

GENERAL CATALOGUE 2018

BRESCIANI s.r.l. - Material and Equipments for Restoration and Conservation

General Catalogue



BRESCIANISRL
Material and Equipments
for Restoration and Conservation





BRESCIANI s.r.l.
**Material, Equipments, Laboratories
 for Restoration and Conservation
 of the Cultural Heritage**



CERTIFICATE

IQNet and
 CISQ/RINA

hereby certify that the organisation

BRESCIANI S.R.L.

VIA E. BREDA, 142 20128 MILANO (MI) ITALIA

has implemented and maintains a

Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2008

in the following operative units

VIA E. BREDA, 142 20128 MILANO (MI) ITALIA

for the following field of activities

SALE OF MATERIALS AND EQUIPMENT FOR THE RESTORATION AND CONSERVATION OF THE CULTURAL HERITAGE. DESIGN AND
 CREATION OF LABORATORIES AND EQUIPMENT FOR THE ANALYSIS AND RESTORATION OF THE CULTURAL HERITAGE.

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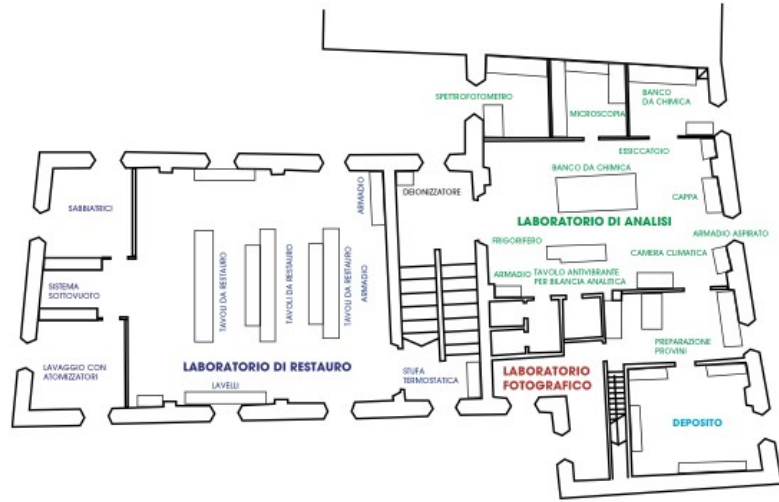
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PLANNING LABORATORIES

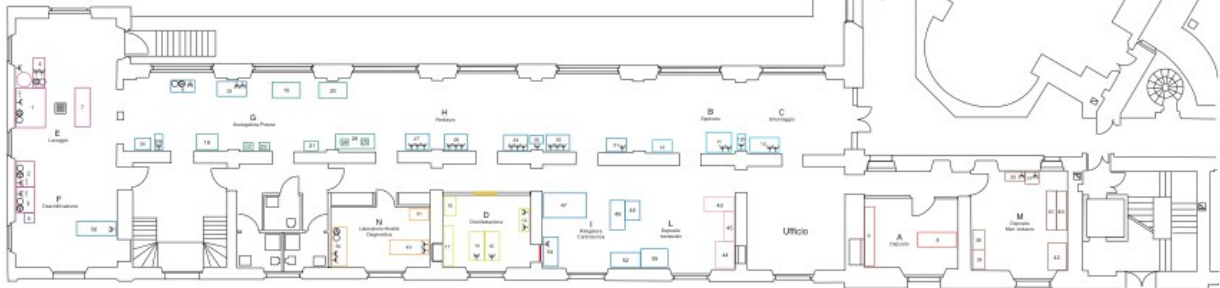
OUR EXPERIENCE AND HIGH PROFESSIONALISM IN PLANNING AND IMPLEMENTATION OF YOUR ANALYSIS AND RESTORATION LABORATORY.



FOR PLANNING AND IMPLEMENTATION OF LABORATORY FOR THE ANALYSIS AND RESTORATION OF CULTURAL HERITAGE BRESCIANI SRL HAS A QUALITY MANAGEMENT SYSTEM CERTIFIED IN ACCORDANCE WITH UNI EN ISO 9001:2008



Planning and implementation of laboratories for analysis and restoration “turnkey” for research and diagnostics, restoration centers, museums, and professional schools. The design of the environments and technical furniture, the choice and placement of equipment and instrumentation, also made to measure, are designed according to the specific needs of the user and assure, for functionality and rationality, the best results.



ANALYSIS LABORATORY



ARCHAEOLOGICAL - STONE RESTORATION



BINDING - PAPER RESTORATION



PAINTINGS - WOOD RESTORATION

LASER CLEANING SYSTEMS

ADVANTAGES OF LASER CLEANING

Selectivity the laser can be used with its harmonics. This allows effective laser cleaning of a wide variety of surfaces. It is possible to remove layers of dirt without removing any original material from the surface of the object. Non-contact There is no mechanical contact with the surface. This allows extremely fragile surfaces to be worked on. Portability The new version completely separates the electrical parts from the laser head, allowing to handle only the light-weight laser head. The laser system is splitted into two / three parts: Portable laser head Power supply Chiller (sometimes in combination with the power supply and control unit all in one box) 5 meters cables allow to leave the heaviest parts (chiller, supply and electronics) on the ground.

Localized action. A laser beam can be precisely directed using a visible aiming beam and the exposure conditions can be optimised for removal. **Big spots available.** For all the cases in which a big surface needs to be quickly treated. **Articulated arm** Delivering beam towards the target is very easy. **Low substrate impact.** The substrate is unaffected by the exposure, while conventional cleaning can easily lead to irreversible damage. Sometimes laser cleaning is the only damage-free solution.

Environmental friendly. The only waste generated is the dirt ejected from the surface. There is no use of hazardous chemicals or solvents and the only protective clothing necessary is safety spectacles and a face mask. **Versatility and reliability.** Laser radiation at 1064 nm has successfully been used to remove dirt and other coatings from a wide range of materials including: marble, limestones, sandstones, terracotta, alabaster, plaster, aluminium, bone, ivory and vellum.

THUNDER ART COMPACT Art. 19787/COMP

New generation laser capable of accumulating high power (1-0.5 mJ) at 1-2 different frequencies (1064-532nm) of LASER beam emission, with weights and reduced dimensions. An adjustable large diameter spot allows you to speed up cleaning tasks. Versatile and usable on all surfaces: stucco, wood, fabric, glass and stone materials. The 532nm frequency is particularly useful for the removal of organic crustaceans.

This system is equipped with a modern touch screen that allows you to easily vary the laser emission parameters.

LASER LIGHT BRUSCH 2 ERBIUM YAG Art. 19787/ErYAG

Light Brush 2 is an Erbium YAG laser system optimized for cleaning of Cultural Heritage. The laser cleaning on Erbium YAG laser is based on the strong absorption of the wavelength at 2940 nm from the surface layers containing OH bonds. For this reason, Light Brush 2 is particularly suitable for the removal of paint and repainting with murals and paintings. Light Brush 2 is an innovative tool for restorers thanks to the possibility of varying the emission energy from 50 mJ to 500 mJ and the duration of the impulse.

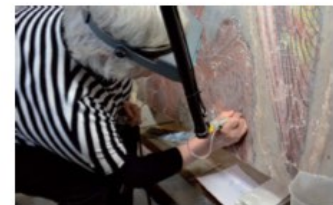
QUANTA SYSTEM
Lasers&Photonics



Art. 19787/COMP



Art. 19787/ErYAG



Type	THUNDER ART	
Article	19787/COMP	19787/ErYAG
Wavelength	1064 nm, 532 nm	2940nm
Energy/pulse	1 J @ 1064 nm, 500 mJ @ 532 nm	500 mJ @ 532 nm
Pulse frequency	1÷20 Hz	1÷20 Hz
Diameter spot	10 mm	1 mm
Pulse duration	6 ns @ 1064 nm	150/250 ns
Handpiece	to fixed locale	to fixed locale
Laser shutter	pedal controller	pedal controller
Dimensions (PxLxA)	24 x 79 x92 cm.	145 x 23 x 65 cm.
Weight	60 kg	47 kg
Beam delivering	7 mirrors with 1 articulated arm	7 mirrors with 1 articulated arm
Cooling circuit	Heat exchanger air/liquid	Heat exchanger air/liquid
Electrical supply	230 Volt / 50/60 Hz / 10A	230 Volt / 50/60 Hz / 18.5A



LASER CLEANING SYSTEMS



Art. 19811



Art. 19774/QS



Art. 19774/LQS



The activity of El.En SpA in the cultural heritage sector in contact with the research institutions of the scientific center of Florence, provides technological solutions, constantly validated by the world of conservation.

The small size, convenience and ease-of-use handling make these unique instruments in the field of lasers dedicated to the cultural heritage sector. The EOS QS system consists of a ND: YAG long-range laser emitter that emits near infrared energy that is transported by a bundle of fiber optics to the variable focal handpiece. Eos QS System has several advantages:

- little invasive technique, no chemical or abrasive products;
- High degree of control, degradation removal is highly progressive (few microns per pulse);
- High precision, optical fibers used for light transmission allow complex, molded surfaces to be treated.
- Usable on metals, stone walls, wall paintings, wood, ceramics.
- selectivity; the different optical absorption makes the crust ablation more effective than the lighter substrate.

LASE EOS COMBO Art. 19811

The EOS COMBO is a latest generation laser system designed specifically for the needs of restoration yards. It is possible to go from an operation Short Free Running (pulse duration 30/110µs) to an operation Q-switch (pulse duration 100µs).

LASER EOS QS Art. 19774/QS

The EOS QS is a latest generation laser system designed specifically for the needs of restoration yards. With operation Short Free Running (pulse duration 30/110µs) is associated operation Q-switch (pulse duration 15µs) with energy to 140mJ.

LASER EOS 1000 LQS Art. 19774/LQS

The EOS QS is a latest generation laser system designed specifically for the needs of restoration yards. It adopts the particular pulse duration Long Q-switch (pulse duration 100µs) .

Type	EOS COMBO	LASER EOS QS	LASER EOS 4QS
Article	19811	19774/QS	19774/LQS
Wavelength	1064 nm	1064 nm	1064 nm
Pulse duration	SFR:30-110µs QS: 100ns	SFR:30-110µs QS: 15ns	100 ns Q-Switch
Energy max per pulse	SFR: 2J QS:150 mJ	SFR: 1J ; QS:140 mJ	130 mJ (1 pulse), 250 mJ (2 pulses), 380 mJ (3 pulses)
Repetition frequency	1-10 Hz, 15 Hz, 20 Hz , 30 Hz	1-10 Hz, 15 Hz, 20 Hz , 30 Hz	1-10 Hz, 15 Hz, 20 Hz , 30 Hz
Spot	2.5 - 6 mm	2.5 - 6 mm	2.5 - 6 mm
Beam delivering	2 optic fibre 1000 lm, 3 mt long, (optional 10 mt)	1500 micron optic fibres, 3 mt long, (optional 10 m)	1000 micron optic fibres, 3 mt long, (optional 10 m)
DHandpiece	variable focus, with beam guide	variable focus, with beam guide	variable focus, with beam guide
Beam profile	homogeneous	homogeneous	homogeneous
Aiming beam	laser HeNe 3 mW (635 nm)	laser HeNe 3 mW (635 nm)	laser HeNe 3 mW (635 nm)
Power supply	230 V - 50/60 Hz	230 V - 50/60 Hz	230 V - 50/60 Hz
Input	12 A	8.5 A	8.5 A
Dimensions (PxLxA)	35x95x75 cm	23x66x68 cm	23x66x68 cm
Nd:YAG laser shutter	foot switch-controlled by the operator (optional on dandplace)	foot switch-controlled by the operator (optional on dandplace)	foot switch-controlled by the operator (optional on dandplace)
Weight	80 Kg	45 Kg	40 Kg
Cooling circuit	sealed with heat exchanger (air/liquid)	sealed with heat exchanger (air/liquid)	sealed with heat exchanger (air/liquid)

WATER DEIONIZERS

ION EXCHANGE WATER DEIONIZER DELTA PLUS LINES

It is based on the principle of the deionization of the water by ion exchange anionic and cationic. Structure in glass-reinforced plastic. The column of resins is easy transportable, for regeneration, being connected to the net with attacks to graft express, for capacity requirements greater produced water amount is possible to connect more columns in series (greater produced water) or in parallel (greater produced water capacity). Practical digital conductivity meter Art.12155 (an optional one) indicates the purity of the water in escape (in connection case series parallel of it enough one for all the system).



Article	Capacity	Hourly flow	Flow cycle	Dimensions
12141/30	30 liters	500 lt/h	3000-9000 lt	ø20.5x125(h) cm
12143	50 liters	1000 t/h	5700-17000 lt	ø26.5x130(h) cm

REGENERATION OF THE COLUMN DELTA PLUS

Art. 12141/RIG 25 liters - Art. 1243/RIG 50 liters

DIGITAL CONDUCTIVITY METER Art. 12155 for Delta Plus Scale reading 0 -19.9 !S/cm display in liquidcrystals, settable alarm with advanced values 1 µS/cm regarding the reading with the visualization of a LED blinking. The instrument is complete of local power source 12 VDC/230 V AC, probe with attacks compatible expresses with demineralizer DELTA PLUS with 2 mt of cable.



DEMINERALIZER GAMMA WITH ION-EXCHANGE RESIN Art. 12105

Support frame and column with handles made of stainless steel. Couplings incoming and outgoing different column top cover with venting valve. Demineralizer with mixed bed ion-exchange resins. Inlet and outlet mechanical filters 5 µm degree for solids with transparent container. LCD DISPLAY (conductivity meter) for measuring the purity of water in µS. Supply 12 volt, transformer included. Max pressure 3 bar.

Article	Capacity	Hourly flow	Flow cycle	Dimensions
12105	21 liters	200 lt/h	1000-3500 lt	40X30X104(h) cm

REGENERATION OF THE COLUMN GAMMA Art. 12106

CATION AND ANION EXCHANGE RESIN Art. 51751

mixed bed for water deionizator - conf. 25 liters

REVERSE OSMOSIS WATER DEMINERALIZER SIGMA Art. 12185

The system is designed to produce demineralised water with low investment costs and operating, maintaining, at the same time, high levels of reliability.

Structure and casing in brushed stainless steel. Electronic control panel with microprocessor messages on LCD display in English / Italian (selectable); pressure safety switch, hour meter, pressure gauge inlet water mains and pump pressure gauge (pressure gauges with glycerine). Automatic flushing device at the end of the cycle. Filtering incoming water dual-stage:

- 1st stage cartridge type "wire wrapped" filtering level 5 µm;
- 2nd stage with a chlorine cartridge activated carbon.

Prepared for storage tank with booster pump and automatic operation.

Production water:	100 liters / hour at 15 ° C
Water Consumption:	280 liters / hour
Average salt rejection:	98%
Power:	0.6 Hp
Power supply:	220 volt 50 Hz single phase
Dimensions:	55 x 38x H 125cm

TANK 300 lt. FOR REVERSE OSMOSIS SYSTEM Art. 12186

Type vertical tank in plastic material non-toxic suit of float electrical worker for connection to osmosis system. Equipped of overflow and PVC outbound sphere valves.

AUTOCLAVE PUMP FOR REVERSE OSMOSIS Art. 12187

Pump for connection to tank accumulate osmosis water. Electric pump in stainless steel AISI 304 with on/off automatic hidrostat and emergency against operation to dry. Equipped of gauge exited pressure, base support in stainless steel hydraulic attacks input/output. Power 0.6 HP/0.45 Kw. Prevalence 14 meters; max 32 mt



HIGH PRESSURE CLEANING SYSTEMS

WATER SPRAY CLEANING SYSTEMS HIGH PRESSURE WATER-LOW

Minimum flow of water with high pressure is the strong point of this innovative hydrocleaner that can be equipped with a water tank inside to make it autonomous. One of the problems that have always limited the use of classical hydrocleaner equipment in the field of cultural heritage is the huge amount of water made the masonry during cleaning.

These amounts of water can create undesirable secondary effects such as efflorescence on surfaces in the drying phase.

The problem is now overcome by the new technology WATER- LOW of our systems that combine a very accurate adjustment of the pressure to a minimum quantity of water used.

All the line is characterized by a rugged metal construction on request completely in stainless steel.



HOT WATER - Mod. IDROELECTRIC ST

Article	Pressure	Flow max	Temp. max	Voltage	Power	Weight
11501	70-130 Bar	1.4 lt/min	90°C	3-400 V	6 Kw/10A	53 Kg
11502	70-140 Bar	2.3 lt/min	90°C	3-400 V	11 Kw/16A	58 Kg

Maximum water inlet temperature: 40 °C

Electric heating in high pressure (Hot press)

Standard equipment: tube A.P. 10 meters, gun, nozzle, quick couplings

Pressure control Knob 70 - 140 bar

All machines are equipped with total stop



COLD WATER - Mod. FREDI JET

Article	Pressure	Flow max	Temp. max	Voltage	Power	Weight
11503	70-130 Bar	1.4 lt/min	60°C	230 Volt	1.5 Kw	27 Kg
11504	70-130 Bar	2.3 lt/min	60°C	230 Volt	1.5 Kw	27 Kg

Maximum water inlet temperature: 60 °C

Standard equipment: tube A.P. 10 meters, gun, nozzle, quick couplings

Pressure control valve 70 - 140 bar

All machines are equipped with total stop

OPTIONAL EQUIPMENT



Art. 11505 TANK 40 LT X HYDROCLEANER

Art. 11506 RIGID EXTENSION LAUNCHES 70 CM

Art. 11507 FLEXIBLE EXTENSION LAUNCHES BRUSH 100

Art. 11508 GAUGE for HYDRO CLEANER

Art. 11509 WATER FILTER ENTRY

EXTENSION HIGH PRESSURE HOSE 10 m

NOZZLE FAN FOR Art. 15502 (FOR 3.7 LT./MIN.)

NOZZLE FAN FOR Art. 15504 (FOR 3.7 LT./MIN.)

NOZZLE FAN FOR Art. 15501 (FOR 2.0 LT./MIN.)

NOZZLE FAN FOR Art. 15503 (FOR 2.0 LT./MIN.)

STAINLESS STEEL BODY

WATER ATOMIZER AND SCALERS

WATER ATOMIZER Art. 11221

Full cone water atomizer with a spherical brass pin joint.

It is provided with pin joints, snippers and junctions in RILSAN water and air. Double adjustment, air and water, directly on the body of the atomizer. It is fit for washings with deionized water. It gives an optimal atomization.



PIEZO ULTRASONIC SCALER

RESTAURARTE 2013 Art. 19194

The device is piezo type, working at a frequency of 28-33 KHz, adjustable according to the used tip. The frequency's research of the point is automatic and is made by pushing the foot pedal, because the electronic circuit explores the frequency field between 28 and 33 KHz, before setting on the highest absorption frequency. The device must be connected to the drinkable water network or compress air by a pressure reducer prepared at 3 bar. The device is supplied with 5 points of different shapes and a dynamometric special key for a right tightening of the scaler tips.

- Dimensions electronic unit: 170x111xh65 mm
- Dimensions plastic box: 370x320xh85 mm
- Power supply: 230 V-50/60Hz
- Weight: 1.2 Kg

P1



G1



G2



G4



Art. 19194/H2O Automatic water supply for ultrasonic device



PNEUMATIC ULTRASONIC DEVICE KIT

Art. 19190

Handpiece in chrome plated brass with satin finish, 3 stainless steel inserts with male thread. Adjusting the power of vibration through a special ring integrated into the handpiece. It also works continuously.

Weight: 65 gr. Frequency: 6000/6700 Hz.

Air pressure: 2.0/2.8 bar. Air consumption: 25 lt/min.

Successfully used in 2011 for the restoration of the famous "Bronzi di Riace" at the laboratories of the Superintendence for Archaeological Heritage of Calabria.



Art. 19190



INSERTS FOR PIEZO DEVICE PNEUMATIC Art. 19192....

- 1 - UNIVERSAL
- 2 - EXTRA FINE
- 4 - SPATULA

MIKROMOTORS



ROLLY 701
ROLLY 702 BRUSHLESS

VISUALIZZAZIONE DIGITALE



ROLLY 450

Article	Type	Power Watt	Rated speed rpm
19288/NEW	Rolly 100	100	0 - 30000
19291	Rolly 702	150	0 - 45000
19292/NEW	Rolly 700	230	0 - 50000

MINI DRILL LCD WITH DIGITAL DISPLAY Art. 19237

The MINI DRILL LCD features a high torque as well as the presence of the digital display for speed control. Characteristics: keyless chuck for easy accessory changeover - LCD display/speed control: for more accurate working on different materials - ergonomically designed housing for comfortable gripping - rubberized body - powerful motor and high speed for increased versatility - shaft locking button - double electro-magnetic isolation - includes 3 assorted collets and 1 nut for extra flexibility - no need of transformer or adaptors

- voltage 230 V / 50 Hz - 170 Watt
- no load speed 8000-32000 RPM
- chuck capacity Ø 0.4 - 3.2 mm
- weight 665 g
- cable length 1.9 m

MIKROMOTOR SERIES ROLLY

Table models consisting of a digitally controlled supply unit that regulates the speed electronically, a digital control for rotation inversion with warning light and alarm beep to sound-signal the "reverse" start. The Micromotor Rolly has also an electronic device which prevents the rotation inversion when the micromotor is working. It has control unit with speed regulation and with reverse-rotation key, LCD display number revolutions (no article 19288/new) foot switch, micromotor handpiece attack, fuses and power cord. The speed variation is through electronic device that changes the voltage or the power frequency maintaining constant torque.

- Micromotor with rubber stand
- Tweezer 2.35 mm (3 mm optional **Art. 19289/P**)
- Foot switch



KIT DRILL WITH 60 ACCESSORIES Art.19237/KIT



Art. 19432

ELECTRICAL HANGING MOTOR Art. 19432

Industrial hanging motor medium power and medium speed, cutters with shank big up to 6 mm (not recommended for diamond burs). Equipped with a flexible shaft with metal protective sheath and interchangeable handpiece with 4 tweezers of mm. 2.35/3/4/6. Support benchtop excluded.

- Supply voltage/power: 220 Volt/50 Hz / 150 watt
- Rated speed: 12000 rpm
- Weight: 3.2 Kg

ELECTRICAL HANGING MOTOR HIGH SPEED Art. 19430

Hanging motor high power and high speed, recommended for every burs included diamond burs. Equipped with a flexible shaft with metal protective sheath and interchangeable handpiece with 4 tweezers of mm. 2.35/3/4/6. Support benchtop excluded.

- Supply voltage/power: 220 Volt/50 Hz / 180 watt
- Rated speed: 25000 rpm
- Weight: 3.1 Kg

SUPPORT BENCHTOP WITH CLAMP Art. 19432SUP

BURS - GRINDSTONES - BRUSHES

STEEL BURS Art. 19708/..

Shaft 2.35 mm.



SPHERE
P3 Ø 3 mm
P2 Ø 2 mm

GEM
G4 Ø 4 mm
G3 Ø 3 mm
G2 Ø 2 mm

FLAME
F1 Ø 1 mm

DIAMOND BURS

Art. 19703/..
Shaft 2.35 mm. Ø 2mm



Sphere
S2

Cone
C2

Flame
F2

GRINDSTONES IN ABRASIVE RUBBER

Mandrels are necessary



CONICAL
Art. 19761
24 x 7.5 mm

CYLINDRICAL
Art. 19755
24 x 6.5 mm



CIRCULAR Ø 22
Art. 19751 Soft



Art. 19753 Hard



Alfa **Beta** **Gamma**

GRINDSTONES PINK CORUNDUM Art. 19711/..

Universal roughing and finishing of metal alloys.
Ceramic binder with pink corundum.
Suggested speed: 18,000 - 25,000 rpm
Packaging: Boxes of 20 pieces..

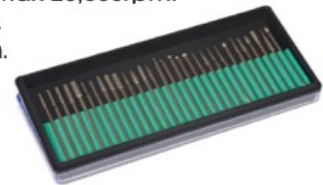
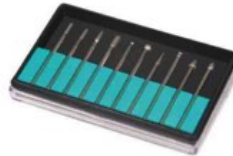


L	13	13	6	10,5	12	10	7	8	3
Ø	5	6,5	2	4	7,5	5	4	6,5	3
Cod.	732	731	695	733	698	671	667	658	601

KIT DIAMOND BURS

Diamond-coated burs for use on ceramica, tiles, stone, glass and metals. Compatible with most rotary tools including MIKROMOTOR ROLLY and DREMEL. Max 28,000rpm.

Art. 19701/D10 Set 10 burs gambo 2,35 m.
Art. 19701/D30 Set 30 fburs aambo 2,35 m.



MANDRELS FOR GRINDSTONES

Steel shaft Ø 2.35 mm.



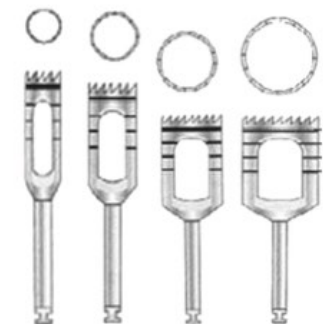
Art. 19767 Shank for conical and cylindrical abrasive rubber.
Art. 19765 With cap screw for circular rubber grindstones.

MICRO CORE DRILLING BURS MFC Art.19731/3-5-7-10

Ø mm 2 int./3 ext
Ø mm 4 int./5 ext
Ø mm 6 int./7 ext
Ø mm 9 int./10 ext
Micro core drilling burs in inox steel AISI 420 with a crown saw for the removal of various materials: wood, mortars, gypsum, bronze ecc. Every burs have shank of Ø 2.35 mm for micromotors.

CARBORUNDUM Grindstones

Art. 19715
Specific for ceramic.
Steel shaft Ø 2.35 mm.
Fine grain.



CUTTER DISCS

In resinous material.
Require mandrel
Art. 19765.
Art. 19716 Ø22 thick.0.6 mm
Art. 19717 Ø35 thick.0.7 mm

CLEANING

MIXER - DRILLS



MORTAR MIXED PORTABLE VERTICAL SHAFT Art. 75152

The mortar mixer portable is a truly versatile mixing machine. Quickly and thoroughly mix mortar, stucco, thin set, dry pack mortar, epoxy, plaster and more.

Tnk capacity 50 lt.

Blade rotation speed 60 r / min.

Single phase motor 1000W 220 Volt

Weight of the machine Kg.26.

Construction NORMA EC (Directive 98/37 / EC, Annex II, part A).



Art. 19420/8

SMALL HAND DRILL MANDREL MAX 8 MM OPENING

Art. 19420/8



Art. 19434/M760

PERCUSSION DRILL

Article 19434/M760

Capacity hole steel mm 13

Concrete mm 20

Max speed rpm. 0-2900

Strokes/min. 0-58000

Power consumption 720 Watt

Weight Kg 2.3

MIXER DRILL

Art. 19445/1400 Mixer 2 speed Electronically adjustable double handle large size for a safe and comfortable grip. Speed:150-650 rpm. Electric power 1400 W. Weight 9 Kg.

Art. 19447 mixer threaded connection M14 Ø 120 mm for plaster.

Art. 19447/140 mixer threaded connection M14 Ø 140 mm for plaster.



GRINDER Art. 19451

Angle grinder with handle side

Electric power: 710 Watt

Disc Ø: 115 mm

Speed : 11000 rpm

Weight: 1.4 Kg



MIXER FOR MORTARS/ RESINS DENSE

Art. 15003 length 60 cm



Art. 15003

MIXER X RESINS/VARNISHES

Art. 15001 Ø 80 mm length. 40 cm.

Art. 15002 Ø 100 mm length. 60 cm.



Art. 15001-2

TIP FOR HAND DRILL in steel HSS-G Din 338

Article	39923	398924	39925	39926
Ø/length. mm.	1/35	2/48	3/61	4/75

WOOD TIPS Length 600 mm

Article	39802	39804	39816	39821
Ø/connection mm.	12/7	14/10	16/12	2/12

TIPS FOR MASONRIES, MARBLE, STONES hard metal cutting point

Article	39901	39903	39905	39907	39909
Ø/length mm.	3/60	4/75	6/100	8/115	10/125

TIPS FOR MASONRIES, REINFORCED CONCRETE, MARBLE, HARD STONES

Length 600 mm. With cutting point in tungsten carbide - Din 8039

Article	39911	39913	39915	39917	39919	39921
Ø/connection mm.	10/8	12/9	14/9	16/9	18/12	20/12

MICROINJECTION/ GROUTING SYSTEMS



MICROINJECTION SYSTEM



GROUTING MORTARS SYSTEM

WRIST MANOMETER
WITH NEEDLE HOLDERHANDLE CONTROL
START/STOPPED - REVERSE SPEED
ADJUSTMENT

INJECTION



SPRAYING



GROUTING

MICROINJECTIONS AND GROUTING SYSTEM

Wheeled microinjection/grouting mortar system for construction site 5 mt

The system is equipped with a remote control that allows the electronic regulation of the injection speed and a device for reverse pumping. The version for the microinjection is equipped with a nozzle needle with precision pressure gauge for controlling the injection pressure, all to be fixed to the wrist of the user and a dip tube for the fluid mortar. The version for injections using a dip-tube and pipes of 20 mm diameter with a conical injector equipped with a precision pressure gauge for controlling the injection pressure. The version for grouting using a cone for dense mortar with 9 liter capacity and pipes of diameter 20 mm with terminal nozzle round or flat. The machine has a frame with wheels and a handle for the transport in which are housed the motor unit 12 Vdc, the peristaltic pump, the control electronics and a rechargeable battery. The standard kit includes: 2 rechargeable 12V battery charger with end of charge indication and accessories for various uses. A variety of accessories are available for multiple uses. All connecting pipes are made of silicone as the pump and are easy to clean at the end of use.

Engine:	CC12 V - 65W	Flow:	0/180 lt/h
Power supply :	batteries 12V 12A	Prevalence:	(opzional 0/360 lt/h)
Remote control:	speed controller start/stop/reverse	Granulometry:	5 mt.
Funnel capacity:	9 lt.	Dimensions/Weight:	0-5 mm 40 x 40 x h 37 cm/14 Kg

MICROINJECTIONS MORTARS SYSTEM Art. 35211/MICRO

Machine complete with microinjection lance with pressure reporting, feed pipe 4 mt., control and connection fittings.

MICROINJECTIONS MORTARS SYSTEM Art. 35211/INI

Machine complete with delivery hose 4 m ø 20 mm, with injection lance tube 1 m ø18 mm with pressure reporting. To load the mortar is supplied in a hopper containing in ABS of 13 liters, optional suction pipe direct from another container.

GROUTING MORTARS SYSTEM Art. 35211/FUGA

Machine complete with delivery hose 4 m ø 20 mm, reed for grouting pipe with 1 m ø20 mm and nozzle plate (conical optional). To load the mortar is supplied in a hopper containing in ABS of 13 liters, optional suction pipe direct from another container.

MINISANDBLASTERS



SANDBLASTING PISTOL Art. 16312

Intake sandblasting pistol with abrasive's flow control.. Provided with pipe of 3.5 m and probe. Tungsten carbide-nozzle of 5 mm. Working pressure from 4 to 6 atm. Air consuption from 140 to 160 lt/min. Compressor recommended: **Art. 16424**



SANDBLASTING WITH ABRASIVE RECOVERY AT CLOSED-CIRCUIT

Art. 16316

Sandblaster with vacuum, which allows the aspiration of abrasive and dust caused by cleaning.

Operating pressure: ranging from 5 to 8 atm.
Air consumption: from 280 to 400 liter/minute.
Suction power: 1300 watts.
Compressor recommended: **Art. 16424**



COLIBRI' 8 - MINISANDBLASTER Art. 16314

Professional sandblaster of accuracy with great flexibility of operation.

Working pressure: from 0 to 7 bar
Tank capacity: 8 liters
Weight: 16.5 Kg
Dimensions: 440 x 300 x 600(h) mm

- Pressure regulator and air manometer
- Manual closing lid
- Handle and wheels for transport
- Remote control for drive
- 5 meters of pipe (Ø13x20 mm),
- 1 Venturi nozzle in tungsten Ø 2/3 mm of your choice.
- 1 ceramic nozzle Ø 2 mm or 3 to choose from.

Available tungsten nozzles and nozzles layer of water spray for dust suppression always 2 or 3 mm. Air consumption from 150 to 500 l/min
Compressor recommended: **Art. 16424**

It is recommended to use a water separator type ceramic filter in the air supply.



MINISANDBLASTING TOPOLINO Art. 16315 NEW

Professional sandblaster of accuracy with great flexibility of operation.

Working pressure: from 0.5 to 6 bar
Tank capacity: 18 liters
Dimensions/Weight: 500 x 380 x 800(h) mm / 29 Kg

- automatic closing;
- condensation separator;
- rod protection; remote control for drive
- 5 mt of pipe (Ø13x21 mm),
- tungsten nozzle Ø 3 o 4 mm,
- valve for abrasive and/or inert adjustment
- safety valve

Compressor recommended: **Art. 16451**.

Nozzle with 3 mm, and operation of more than 3 bar, we recommend an compressor art.16452 with yields of 850 l / min. (power 380 V three phase).

NOZZLE Ø 3 mm	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar
Liter/min	160	230	300	370	440	510

NOZZLES FOR COLIBRI' AND TOPOLINO

Art. 16313/C12 Tungsten Nozzle Of 2 Mm

Art. 16313/C13 Tungsten Nozzle Of 3 Mm

Art. 16314/V12 Tungsten Nozzle Venturi Of 2 Mm

Art. 16314/V13 Tungsten Nozzle Venturi Of 3 Mm

Art. 16317/3 Nozzle With Water Spray (For Dust Suppression)

Art. 16309/T Pipes For Water To Water Nozzles



MICROSANBLASTERS

MICROSANDBLASTING MACHINE FG1 - 93 RESTORATION

Art. 16112

A precision ultra-fine sandblasting system. Robust design. The adjustable pressure blasting systems allow for the immediate use of different blasting material. Nozzles from 0.4 to 1.8 mm. Provided with progressive control shaker in order to have an optimal consumption of abrasive. Electron tube for an instantaneous stop of air and abrasive. Pipe with 2.5 m. of antistatic stranded conductor to work without any problem also away from the whole device. Air filter to avoid abrasive accumulation in the cylinder. The operation of the machine is normally controlled by a foot pedal or on request with push-button control at low voltage. In the special version can also use vegetable abrasives. (Ref. cleaning of Bronzi di Riace - Sop. Archeologica Calabria; cleaning medioeval armor in the Museo Nazionale - Sop. S.B.A.P. Ravenna)

Dimensions (PxLxH)/Weight: 350x230x350 mm / 18 Kg

Air connection: 1/8" / junction standard air tube

Blasting nozzle: 0.6 mm

Available pressure: 0.5 - 8 bars

Abrasive dim: 9 - 420 μ m / 46/600 mesh

Supply voltage: 230 Volt / 50 Hz

Available nozzles/ abrasive usable

Article	Ø mm	Abrasive mesh	Abrasive μ m
16151	0.4	280 - 600	37 - 9
16152	0.6	240 - 600	45 - 9
16153	0.8	80 - 600	149 - 9
16155	1.2	46 - 600	297 - 9
16156	1.8	46 - 600	297 - 9

MICROSANDBLASTING MACHINE FG2 - 94 RESTORATION

Art. 16116

Features such as FG1-93 but with two tanks and relative tubes and nozzles for use two different kind of abrasives

Dimensions (PxLxH) / weight: 375 x 350 x 350 mm/30 Kg

Pressure: from 0.3 to 8 bars

Nozzles included: 1. of 0.4 e 1. of 0.6 mm

Dim. abrasive: 0.5 - 150 Micron

Supply voltage: 230 Vol / 50 HZT

MICROSANBLASTING MACHINE ABRASIL Art. 16212

A solidly-constructed and easily maintained yard micro-sandblasting machine, which is fitted for laboratory. On/off pneumatic control. Anti-loosing closing system. Pressure control by means of a control manometer. Air filter provided with automatic discharge of condensed water (optional pedal Art. 16212/PED) and safety device on the tank cap (Art. 16213 also apply to previous models). Complete with adjustable belt. Nozzles 0.8 - 1.2 mm. Dim.(PxLxH) 220x100x300mm. Weight 2.75 Kg. Tank capacity 500 ml - 900 gr. Max pressure: 4 Bar. Air consumption: 25 litri/min to 3 Bar with nozzle Ø 0.8 mm. Abrasive used: corindone - aluminum oxide.

Granulometry max: 220 mesh with nozzle Ø 0.8 mm and 150 mesh with nozzle Ø 1.2 mm.

MICROHYDRO SANDBLASTER TO SODIUM BICARBONATE

Art. 16217

Micro water sandblaster with independent regulation, by means of the bracket knobs on the front panel, the jet of air and dust and the water flow. The container of baking soda and its lid are made of transparent plastic to control the proper functioning of the equipment and the level of dust. Use only sodium bicarbonate 200 mesh.

wilsag



Art. 16112



Art. 16116



Art. 16212



Art. 16217

RESTORATION TABLE - EXTRACTOR DUSTS



TABLE WITH DOUBLE ASPIRATION Art.16125

Table with painted steel frame and epoxy laminate floor scratch. Size 1500x 750 mm x 880h. (other dimensions on request). Hood complete with pantograph arm (positioned at will along the 3 sides of the table) and micro-grid in stainless steel, placed in the work with container for the collection of fine opening, to be joined Extractor for dust (Art.16127) or central extractor. Fitted with plexiglas screen with a double arm pantograph, a fixed clamp to repair the operator during routine cleaning with microdriller and piezo ultrasonic device. Even feasible to measure and double work. Also available dim.2000x750x880.



WHEELED EXTRACTOR FOR ABRASIVE POWDERS Art. 16127

Made of bent sheet protected with epoxy paint and fitted with swivel wheels Ø 125 mm with brake. For desks aspirated or arms to the table. Dimensions: 1140 x 770 x 1250 mm / 90 kg ca. Kg
Noisiness: 75 ± 3 dB(A)
Range: 750 Nmc/h
Supply voltage/power: 230 Volt / 1 HP- 745 Watts
Exhaust fan with shovel impeller ahead, to high efficiency.
Filtration system: Class F - n° 1 levels of filtration: positioned in part within the supporting structure and in part on its peripheral surface, and consist of: Shaking system for manual cleaning of the pockets of mm 530. - Pocket filter with a filter area of 10 mq, including:- filter bags dimensions mm 540x530x25, with medium efficiency of filtration 80% on powders from 2 micron. - thermal breaker - Manometer. - hopper with a collection tray. Realized according with UNI EN 292 - UNI EN 294 e CEI EN 60204.



WHEELED EXTRACTOR WITH ARM Art. 16127/1250

Arm: length 300 cm - Ø 160 mm
Dimensions/Weight: 1140 x 770 x 1250 mm / 100 kg ca.
Range: 1250 Nmc/h
Supply voltage/power: 230 Volt / 1.5 CV - 1.100 Watts
Other characteristics: as Art. 16127.

MICROSANDBLASTING SYSTEM equipped with:

Art.16260 profile aluminium support for sandblaster box with wheels
Art.16261 sandblaster box in pvc
Art.16133 extractor abrasive dusts
Art.16418 compressor 2 cv 24 lt oil-less maintenance free.
Sandblasting is not included line wulsag and line abrasil.

WHEELED EXTRACTOR FOR DUSTS/SOLVENT Art. 16126

without arm for double aspiration tables.
Equipment suitable for all filtration applications, particularly for the table with double aspiration. Particularly indicated for the treatment of air with solvent vapor and small quantity not abrasive dusts. Realized in steel sheet with epoxy coated with Ø 125 mm wheels with brake. Realized according with UNI EN 292 - UNI EN 294 e CEI EN 60204.

Dimensions: 680x425xh800 mm / 70 Kg. ca.
Noisiness: dB(A) 68 ± 2
Range: 750 Nmc/h
Engine: 0.75 HP-(0.55Kw) 2 -220 Volt / 50 Hz
Exhaust fan with shovel impeller ahead, to high efficiency. Filtration system: 3 levels of filtration: 1 G10 bag inside of the box fan. 2 panel Filters P13 for powders with medium efficiency of filtration (80% on powders from 2 micron).
2 Filters V03 with active coal. Thermal breaker - Manometer - Motor protection



SANDBLASTER BOX Art. 16261

Construction chamber in PVC antiscratch with wide opening and cover in transparent PVC with safety glass Visarm 3+3 mm; replaceable tyvek hoses; an interior lamp; an interior metallic grate collecting abrasive; posterior connection for suction unit. Dimensions (PxLxH): 500 x 800 x 500 mm.

EXTRACTOR DUSTS Art. 16133

Extractor with collecting dusts bag; electronic adjustment of the air flow, double motor protection filter, with extraflex tube Ø 32 mm for connection to the blasting. Dimensions (PxLxH) 250 x 330 x 400 mm. Weight:15Kg. Supply voltage/power: 230 Volt/ 800 Watts

ABRASIVES AND ABRASIVE PENS



ABRASIVE GARNET

The definition of GARNET refers to set of specific mineral belonging to the group of GARNETS. These primarily Ortosilicati among which, the variety "Almandino" represents that most qualitatively appreciated in terms of abrasiveness. Chemically, the GMA GARNET is on average composed for the 95-97% to almandine. The high hardness (7.5 / 8 on the Mohs scale), low friability and high specific gravity (4.1 t/m³) make it particularly suitable for sand-blasting and sandblasting with which it is possible to achieve a degree of cleaning with minimal waste. For its chemical inertness the GARNET is easily disposable because it is not the source of chemically reactive or harmful powders.

CORUNDUM-ALUMINIUM OXIDE

Abrasive high hardness (9 in Mohs scale). Bags 25 Kg.

Article	CORUNDUM granulometry in mesh	CORUNDUM granulometry in μ
18326	150	100
18325	180	83
18327	220	66
18328	320	44

ALUSIL 01-05 BLACK Art. 18437

Abrasive-based amorphous silicates. Fine-grained 0,10-0,50 mm (from 100 to 600 μ m). Hardness 6/7 Mohs scale. Without silicon free. Packaging bags 50 Kg. - Pallets 1500 Kg.

ALUSIL 80 GREY Art. 18441

Abrasive based of amorphous silicates and aluminum oxide. Fine-grained from 100 to 250 μ m. Hardness 6/7 Mohs scale. Without silicon free. Packaging bags 33 Kg. - Pallets 1600 Kg.

ALUSIL WHITE

Abrasive based of amorphous silicates and aluminum oxide. Fine-grained from 100 to 250 μ m. Hardness 6 Mohs scale. Without silicon free. Packaging bags 33 Kg. - Pallets 1600 Kg.

Art. 18430 80 mesh white bag 33 Kg - pallet 1600Kg

Art. 18435 100 mesh white bag 33 Kg - pallet 1600Kg

GARNET - Granulometry available

Art. 18451 80 mesh 180 μ m

Art. 18453 200 mesh 75 μ m

Art. 18455 350 mesh 45 μ m

Bags 25 Kg or pallet 1000 Kg.

SANDPAPER WET USE in sheet 230x280 mm

Art. 18562/.. grain 100-120

Art. 18563/.. grain 180-240-320-400-500-600-1000-1200

SANDPAPER Art. 18565/.. grain 120 -180

In reel 12 cm x 50 mt for dry smoothing.

GLASS MICROHERES This abrasive, thanks to its spherical shape, not roughens the surface and gives brightness to metals. Hardness 6.8. Bags 5- 25 Kg.

Art. 18111 Granulometry 50-100 μ m.

Art. 18112 Granulometry 300 -400 μ m.

VEGETABLE GRAIN

A base of ginded hazelnuts. Bags 25 Kg.

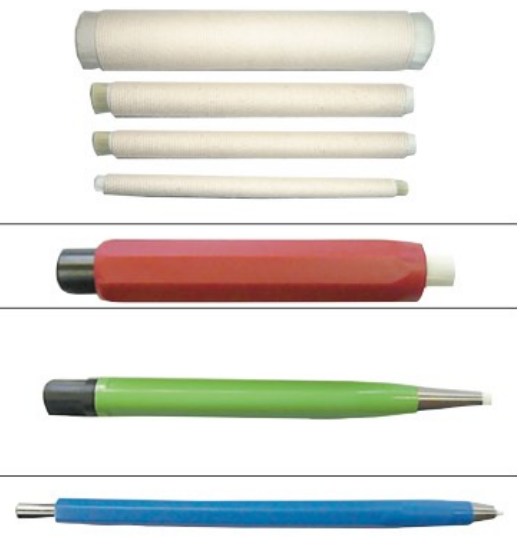
Art. 18041 0.18 - 0.4 mm

POWDERED POMICE Art. 18051

Powder extracted from eruptive rocks.

Granulometry from 90 to 150 micron. Bags 1 - 25Kg.

18527	FIBER GALSS STICKS Ø 30 length 180 mm
18523	FIBER GALSS STICKS Ø 20 length 180 mm
18522	FIBER GALSS STICKS Ø 15 length 180 mm
18521	FIBER GALSS STICKS Ø 11 length 180 mm
18538	PEN WITH FIBER GLASS REFILL Ø 10 mm
18539	REFILL SPARE PART IN FIBER GLASS Ø 10 mm
18531	PEN WITH FIBER GLASS REFILL Ø 5 mm
18532	REFILL SPARE PART IN FIBER GLASS Ø 5 mm
18536	REFILL SPARE PART IN STEEL THREAD Ø 5 mm
18537	REFILL SPARE PART IN BRASS THREAD Ø 5 mm
18534	PEN WITH FIBER GLASS REFILL Ø 2 mm
18535	REFILL SPARE PART IN FIBER GLASS Ø 2 mm



DRY CLEANING SYSTEM



WISHAB SPONGE

The wishab sponge consists on a blue handle body with an active yellow layer moulded onto it. The mass contains saktis (a kind of linoxyn), synthetic latex, mineral oil and chemical curing and gelling chemically bonded. It does not contain any harmful substance and has a neutral pH. Pressing lightly rubs the sponge on the surface to be cleaned. All the dirt and dust is bound to the particles of sponge crumbles, consuming yellow part. In obstinate cases this procedure, which is preferably run in the same direction, from the top down, will be repeated. In addition to the normal dust can eliminate the black smoke, often made up of candles and incense. After having polished the surface, it has to be brusher in order to put away the sponge residues. Grease can be removed with other cleaning systems.

ART.	DESCRIPTION	SPECIFICATIONS/PACKAGING	
18827	SPONGE WISHAB EXTRA SOFT	Suitable for papers and documents.	
18825	SPONGE WISHAB SAFT	Suitable for paintings and woven.	
18822	SPONGE WISHAB HARD	Suitable for pintings walls.	
18823	SPONGE WISHAB EXTRA HARD	Suitable for stone and frescoes.	
18728	POWDER WISHAB EXTRA SOFT	Very soft. Packaging 500 gr.	
18727	POWDER WISHAB SOFT	Soft. Packaging 500 gr.	
18751	POWDER EXTRA THIN	For sandblasting. Packaging . 5 Kg	
18753	POWDER THIN	For sandblasting. Packaging . 5 Kg	
18755	POWDER HARD	For sandblasting. Packaging . 5 Kg	

MICROSANDBLASTING MACHINE AKATEC 5120

Art. 16205

Designed specifically for cleaning dust by Akablast Extra fine Art 18751. Equipped with a pressure regulator, and pedal valve rapid interruption of the flow of abrasive.

Tank capacity: 0.7 liters
 Dimensions (LxPxA): 240x200x340 mm.
 Available pressure: max 6 bar
 Air consumption: 110 l/min with nozzle 1.8 mm
 Weight: 5.8 Kg



akatec
EQUIPMENT



Art. 18821



Art. 18851



Art. 69542

ART.	DESCRIPTION	SPECIFICATIONS/PACKAGING
18821	SEA NATURAL SPONGES	Dim. medium 6.0 - 6.5"
18851	SPONGES CELLULOSE FIBER SPONTEX	Dim. 140 x 100 x 35 mm
69542	DRY CLEANING SPONGES - VULCANIZER NATURL LATEX	Dim. 76x152x45 mm - Weight: 182 gr

SPONGE HIGH ABSORBENCY

High density sponges made of PVA (polyvinyl acetate), with very high absorbing power, structured with open cells with interconnected pores and not as independent as in sea sponges. They absorb liquids up to 12 times their dry weight without letting anything percolate. Soft and elastic are resistant to oils, greases, acids, organic solvents and alkaline agents. Suitable for cleaning smears of injection mortars and stuccoing on frescoes and decorated surfaces, for cleaning and removing paints, removing excess water in paper restoration and in emergencies, even in the event of flooding and flooding.

18860	SPONGE PVA	Dim. 120 x 75 x 35 mm.
18861	BLITZ-FIX	Dim. 175 x 75 x 35 mm



VACUUM CLEANERS - LIQUIDS - HEPA FILTERS

A highly versatile general-purpose wet and dry vacuum, ideally suited to locations when occasional wet pick up is required. Its high performance vacuum motor makes quick work of most tasks.



Article	34111 LIQUIDS-DUSTS	34112 LIQUIDS-DUSTS	34113 LIQUIDS-DUSTS
Mains	230/50 Volt/Hz	230/50 Volt/Hz	230/50 Volt/Hz
Power max	1100 Watt	1100 Watt	1700Watt
Depression	210 mbar	210 mbar	250 mbar
Air flow	45 l/sec	45 l/sec	70 l/sec
Capacity tank	capacity 16 lt - 12 lt usable	capacity 25 lt - 18 lt usable	capacity 40 lt - 30 lt usable
Noise level	65 dbA	65 dbA	62 dbA
Weight	8.5 kg	9.6 kg	2.5 kg
Dimensions	34 x 34 x 57 h cm	34 x 34 x 73 h cm	49 x 67 x 88 h cm
Cable length	10 mt.	10 mt.	10 mt.
Accessories	flex hose 3 m., 2 extensions 50 cm., nozzle cracks, floor nozzle, brush nozzle sofas, liquid sucker	flex hose 3mt Ø 40 mm., ower curve male, female upper curve, spear, brush, suction cup liquid, floor brush	flex hose 3mt Ø 40 mm., ower curve male, female upper curve, spear, brush, suction cup liquid, floor brush

Article	34114 LIQUIDS-DUSTS	34115 LIQUIDS-DUSTS
Mains	230 V/50 Hz	230 V/50 Hz
Power max	2x1100 W	3x1100 W
Depression	190 mbar	205 mbar
Air flow	100 l/sec	150 l/sec
Capacity tank	capacity 80 lt - 56 lt usable	capacity 80 lt - 56 lt usable
Noise level	65 dbA	66,5 dbA
Weight	21,3 kg	26 kg
Dimensions	52 x 61 x 92 h cm	52 x 61 x 92 h cm
Cable length	7.5 mt.	10 mt.
Accessories	flexible hose 3mt Ø 40 mm., ower curve male, female upper curve, spear, brush, suction cup liquid, floor brush	flexible hose 3mt Ø 40 mm., ower curve male, female upper curve, spear, brush, suction cup liquid, floor brush



BACKPACK VACUUM CLEANER Art. 34105

The Backpack Vacuum is a high quality vacuum that fits over your back for easy of portability. It is lightweight, powerful, compact and very quiet. It convenient and indispensable when it is used in the harshest conditions: when the space is little or when you can not carry a bigger machine, in places such as libraries and museums. It is designed to work in an ergonomic and comfortable and it is equipped with comfortable support devices for accessories and power cable. The hot exhaust air is expelled from the back, away from the operator's body. It's equipped with output dual air filtration system, microfilter cartridge and extra security filter. To be equipped with HEPA filter (art. 34144). Equipped with accessories: flexible hose, nozzle, brush, crevice, rigid tube (2 pieces) universal brush. **Art.34136** Paper filters package 10 pieces.

Power max: 1450 W
 Mains: 230 V/50 Hz
 Capacity tank: 12 l
 Usable dust bag capacity: 3.0 l
 Air flow: 51 l/sec
 Vacuum: 290 mbar
 Sound level: 60 dB (A)
 Cable length: 10 m
 Weight: 4.8 kg
 Dimensions: 24x24x495 h cm



HEPA FILTERS

High Efficiency Particulate Air

Additional filter to fit, when you use the machine in dusting in museums, libraries and archives. The filter has the ability to retain particles with a diameter ! 0.3 microns
 Retention: 99.99% on 0.3 micron dust particles 0,3 µ grammage 75 gr/m²

HEPA Filter Art.	Vacuum cleaner Art.
34140	34119
34141	34111 - 34112
34142	34113
34143	34114 - 34115
34144	34105

MUSEUM VACUUM CLEANERS

MUSEUM VACUUM CLEANER Compact and light professional exhaust fans for a carefully removal and recovery of powder and other solid particles in spaces difficult to catch up, on delicate works of art and in museum displays. The equipment, thanks to the two attacks, can be use like exhaust fans and like air blowing. The power is adjustable electronically. The exhaust fans "Museum" are equipped by a series of accessories realized in soft rubber that allow to operate with great precision and absolute safeguard on every type of surface.

555-MU-E HEPA Art. 34011

Mains: 220 Volt/50Hz
 Power: 1300 Watt
 Degree filtration: 99.997%
 particles >0.3 µ
 Dimensions (LxPxH): 320 x 140 x 190 mm
 Weight: 2.4 Kg
 Aspiration max: 2285 mBar
 Capacity air max: 47 lt/sec.
 Supplied with microfilter PH 726 HEPA.
 Complete with coiled tube, round rubber nozzle and hard nozzle.



PHU-10 Art. 34019
 Mini- nozzle set

PHU-05 Art. 34015
 Thin rubber nozzle

PH-708 Art. 34017
 Blow tube and nozzle

PHU-12 Art. 34020
 D-shape brush nozzle
 (horsehair)

PHU-04 Art. 34014

Mini attachment set with:
 N°3 round natural bristle brushes type: medium/hard, medium very sof. N° 2 bristle tipin for mod. 555 e 777.



PH-722 Art. 34021
 Filterbag set (5 pcs)

CARRYING CASE

Art. 76555
 Plastic carrying case
 dim.400x300x233 mm

PHU-13 Art. 34020/13
 D-shape brush nozzle
 (soft kid)

PH-726 HEPA Art. 34024
 Micro-motorfilter <0.12 µ

MUSEUM BLOWVAC MUNTZ 888 HEPA Art. 34029

Special Museum Vacuum cleaner with stringent Cleanroom microbacterial control filter system and special vacuum power regulation enabling debris bulk pick up aswell as precision dust removal on artifacts. Ideal for use in Conservation Workshops, Museums, Archives and Libraries.

Variable speed control, motor thermal protection, standard rubber snorkle nozzle.

Degree filtrtion: 99.997% particles ø 0.3 micron
 Mains: 1100 Watt; 220-240 V; 50-60 Hz
 Cable length: 10 mt
 Aspiration: max 210 mm Mbar
 Capacity air: max 45 lt/sec.
 Level noise max: 64 Db(A)
 Dimensions: ø 39x 34x42,5(h) cm
 Weight: 6 Kg



MT
 MUNTZ TECHNICS

FILTERS FOR MUSEUM MUNTZ 888

MT-851 Art. 34031/888
 Tissue filterbag - 10 pcs

MT-857 Art. 34033/888
 Hepa filter cartridge

MT-853 Art. 34032/888
 Filter cartridge

EXHAUSTERS FOR SOLVENTS AND VAPOURS

EXHAUSTERS GIRAF Giraf is a wheeled self-cleaner with low noise (70 dB/1m) designed for exhausting, filtering and cleaning air polluted by organic and basic compounds, amino vapours, ammonia, epoxies, ozone, acid vapours, small amount of non-toxic dusts and other elements, by recycling air in the environment.

Filtering system:

The air which needs treating is carried inside the self-cleaner by means of a fan unit specifically scanted. A selective and progressive filtering system allows excellent cleaning. Dust and particulate removal is obtained by means of washable fabric filters on two different levels. The removal of organic and/or basic vapours and gases is obtained through ACTIVATED CHARCOAL FILTER by adsorption.

External air conveyoy: in the model IN/OUT by operating a lever on the machine you select the expulsion external constituted by an outlet on a short side of the machine and connected with the outside by means of a flexible pipe $\varnothing 125$ mm (art.34204/125 units from 5/10 m). The ability to decide the expulsion or external recirculation drastically reduces the energy costs of heating during the cold months. The expulsion of air in external environment means expulsion of hot air which is replaced by cold outside air, this process tends to cool the working environment and to increase the consumption of heating.



Art. 34219/ECO
Art. 34221



Particular panel and filters GIRAF IN/OUT



Art. 34220/NEW



Art. 34216/DUO

Article	34219 ECO	34221	34220/NEW 34216/DUO
Type	GIRAF ECO	GIRAF	GIRAF IN/OUT
Type of filtration	organic solvents - dusts	organic solvents - dusts - amines	organic solvents - dusts
Capacity Nm ³ /h	750	750	750
Alim. Volt/Hz	230/50	230/50	230/50
Engine Hp/Watt	0.75 / 550	0.75 / 550	0.75 / 550
Filtering rate	2PV	2P2V	CSV
Filters	2x (P03 P13 V03)	2x(P03 P13 V03 V47)	C63 S63 V703-1
Total coals lt - Kg	20 - 12	40 - 24	20 -12
Arm extention mm	2000	2000	2000
Ø Tube arm mm	125	125	125
Ø tube out mm			125
Dim.(LxPxH) mm (without arms)	680x425x800	680x455x800	700x560x890



Art. 34204/125 - 5/10 mt

SPARE	ARTICLE	TYPE	FILTRATION
FILTER P03	34222	MEDIUM DUSTS	MECHANICS
FILTER P13	34223	FINE DUSTS	MECHANICS
FILTER V03	34224	ORGANIC VAPOURS	ACTIVATED COALS (10 lt - 6 Kg)
FILTER V47	34225	AMINES	ACTIVATED COALS (10 lt - 6 Kg)
FILTER C63	34220/C63	LARGE DUSTS	MECHANICS
FILTER S63	34220/S63	MEDIUM/FINE DUSTS	MECHANICS
FILTER V703-1	34220/V703	ORGANIC VAPOURS	ACTIVATED COALS (20 lt - 12 Kg)

EXHAUSTERS FOR SOLVENTS AND VAPOURS

AIRPUR SILENT 500 Art.34205

AIRPUR Silent 500 is an innovative suction air trolley low-noise, developed for the purification of fumes and vapors released during the various processes in the restoration laboratories and chemists. The Air Purifier AIRPUR Silent 500 aspires pollutants at the source while preserving respiratory operators and avoiding their dispersion in the environment and comply with environmental regulations of Hygiene. The polluted air is sucked in through the hood and conveyed by the pivoting arm to the filtering system at multiple levels inserted into the machine. Then the air, thus purified of all pollutants, is recirculated at low speed in the work environment. Important are the following elements: Catchment at the source - the hood galvanized steel swivel facilitates suctioning, remove pollutants from the respiratory tract of the operator and prevents their spread in the environment, also eliminating the nuisance to the others operators present. Carry the pollutants - the hood is supported by a suction arm from 2 meters consisting of 3 joints balanced and rotatable over 360°. Lightweight and easy to handle when not in use can be easily stored. Filtration - particular attention was paid to the sizing of the filtration system to ensure, both towards the fumes that vapors, an efficiency greater than 95% (on request 99.997%) and a remarkable durability, reducing costs and maintenance. Specific indicators signal the exhaustion of the filtering system in order to allow a timely intervention. Aspiration effective - The suction air trolley with a high efficiency ensures proper flow to the hood and the air circulation in the environment at low speed. The noise level is reduced so as not to disturb the people present (max value = <63dBA).

Arm: 2000x ø100 mm with hood

Filtration levels: 3 levels + dust organic vapor (S68 + S59 + V903)

S68 CELL PLEATED 610x305x48 mm Eff G3

S59 CELL PLEATED 610x305x45/48 mm Eff F8

V903 FILTER ADSORPTION 610x305x150 Lt 13

Capacity: 500 Nm³/h

Motor power: 0,55 kW

Power supply: 230 V - 50 Hz single-phase

Weight: 55 Kg

Dimensions: 685x388x769 mm



Filter exhaustion indicator instrument panel

Art. 34205

AIRPUR SILENT 350 Art.34207 e Art. 34207/HEPA

It's a solvent/powder extractor and purifier with a arm and wheeled low-noise <63 dB(A) designed specifically for suction, filtration and purification with recirculating air environment polluted by vapors of organic compounds and small quantities of non-toxic dusts and other elements. The structure is made of painted sheet steel with epoxy mounted on 4 wheels, 2 with brake, ø 65mm. The air to be treated is conveyed inside of self-purifier by a fan unit suitably sized in polypropylene that makes a perfect purification by means of a filtering system of selective type and progressive. The elimination of coarse dust (non-toxic) is obtained with a filter of filtration class G3, while the elimination of organic vapors is obtained by absorption on activated charcoal. Extraction Arm made of light-weight anodized aluminium, features a 4-section boom and swivel joints 3 1 m ø 75mm aluminum with flexible joints in resin and coping with vapor hood in transparent resin.

Filters: G3 dust capacity 87% EN779

Solvents vapors (6.9 Kg activated charcoal)

Dim. without arm: 315x315x730 mm

Nominal capacity: 350 Nm³/h

Engine: 120 W - 230 V

Filtration rate: 2 filtering levels

Arm extension: 1300 mm

Pipe arm ø.: 75 mm

Total weight: 25 Kg.



Art. 34207



FIXED SUCTION PLANTS

Fixed suction systems with multiple arms are designed and built for each type of pollutant.

PNEUMATIC TOOLS

PNEUMATIC MICROCHISEL Art. 19281

Stainless steel structure.

Operative pressure max 6 atm. Air consumption 40-50 lt/min. Hexagonal tips prevent its rotation. Weight 200 gr. Dim. 140 mm \varnothing 21 mm. Complete with 3 tips for soft materials. Supplied in a special case.



TIPS FOR SOFT MATERIALS Art. 19282
Length 70 mm - width 7 - 9 - 11 mm



TUNGSTEN CARBIDE TIPS FOR MABLE AND STONE Art. 19283
Length 70 mm - Width 3 - 5 - 6 mm



TIPS FOR BATTERY Art. 19284
Length 70 mm - \varnothing 2.5 - 6 mm



PNEUMATIC VIBRATING PEN Art. 19111

36.000 strokes/minute with possibility to mount tips diameter of \varnothing 2 mm round type long or chisel tip. Included a short tip. Working pressure 6 bar. Suitable for precision work. Provided with a special case.

TUNGSTEN CARBIDE TIPS FOR PNEUMATIC PEN

SHORT TIP
Art. 19119 Spare



LONG TIP
Art. 19114
Protusion ca. 10 mm



CHISEL TIP
Art. 19116
Protusion ca. 10 mm.



KNIFE TIP
Art. 19115
Protusion ca. 10 mm



PNEUMATIC PENCIL GRINDER Art. 19211

Pencil Grinder is an excellent tool for plaster remove, contouring and light grind when used with a rotary burr. The small diameter and light weight make easy and precise operation.

Collet size \varnothing 3 mm
Air hose: 1,5 m
Speed: 56000 rpm
Working pressure: 6,3bar mc
Air consumption: 60 lt/min
Dimensions: \varnothing 15 x137 mm
Weight: 200 g



PNEUMATIC MICRO HAMMER

Art.	Weigh gr	L x \varnothing mm	Cons. lt/min.	Stokes min	Attack tool \varnothing mm
19092	120	114 x 14	80	15000	4,5
19093	275	133 x 22	80	9000	7
19094	430	138 x 27	80	8000	12.5



Art. 19092 MP



Art. 19092
complete with 3 tools
(teeth chisel, chisel, point chisel)



Art. 19093 M1S



Art. 19094 M1

CHISEL FOR PNEUMATIC HAMMER BUSH M1S

In tungsteno carbide flat tip \varnothing 7 mm.

19095/3	3 mm	19095/6	6 mm
19095/4	4 mm	19095/7	7 mm
19095/5	5 mm		

OIL FOR NOISELESS AIR COMPRESSOR

Art. 16491 Package 500 cc.

COMPRESSORS

COMPRESSORS



Art. 16416



Art. 16418



Art. 16420



Art. 16424



Art. 16471

Article	Horse Power HP/KW	Voltage/Freq. Volt/Hz	Rpm	Tank lt	Pressure Bar	Air capacity liter/min	Weight Kg
16418	2/1.5	230/50	2850	24	8	230	25
16420	2/1.5	230/50	1250	50	10	255	50
16424	3/2.2	230/50	1450	24	10	340	48
16471	3	250/50	1450	11+11	10	390	60
16457	7,5/5,5	380/400	1280	17+17	10	830	135

SILENT AIR COMPRESSORS



Art. 16441



Art. 16439



Art. 16442



AIR CERAMIC FILTER

Air purifier/humidifier filter with automatic condensate drain. Degree of filtration 25µ. Complete with steel bracket, mount milled nut and outlet tap 1/4".

Art. 16338 flow 1170 liter/min

Art. 16338CART cartridge spare

LUBRICATING OIL Art. 16491 500 cc

Article	Horse Power Watt	Voltage/Freq. Volt/Hz	Tank lt	Pressure Bar	Air capacity liter/min	Weight Kg
16441	180	230/50	9	8	30	17
16439	370	230/50	24	8	50	30
16442	690	220/50	50	8	100	63

The silent compressors, thanks to their low noise (40 dB), are suitable for use both on site and in laboratory. The model of 50 liters/min is not recommended for continuous use of guns or small pneumatic tools. The model 100 liter/min for use of sandblasting.

SILENT AIR COMPRESSOR

The compressor is suitable for installations under laboratory workbenches from having all the controls and connections on the front panel (dim. LxPxH: 425x695x765mm). Noiseless than 54 dB.



Art. 16446



Art. 16447

Article	Horse Power HP/KW	Voltage/Freq. Volt/Hz	Tank lt	Pressure Bar	Air capacity liter/min	Weight Kg	Oil less
16416	1/0,7	230/50	6	8	130	15	x
16446	2/1.5	230/50	30	8	170	76	X
16447/30	3/2.2	230/50	30	8	250	78	X
16447/55	5.5/4	380/50	excluding	11	653	177	
16447/75	7.5/5.5	380/50	excluding	12	827	234	
16448/300	UPRIGHT TANK 270 lt safety valve and manometer. ø 500 x H 1650 mm						
16448/500	UPRIGHT TANK 500 lt safety valve and manometer. ø 600 x H 2100 mm						

ENGINE COMPRESSOR 670 Art. 16456

With rubbers inflatable wheels. Apt for it employs continues and onerous sand-blasting equipment). Motor: 9 HP (Gasoline), Pressure max: 10 bars, inhaled Air: 670 lt/min. Weight: 108 kg



CLEANING

AIRBRUSH - NEBULIZERS



AIRBRUSH CV Art. 36113

Airbrush round spray / fan adjustable with tank more than 250 cc end nylon handle.
 Ø nozzle 0.7 mm.
 Nozzle 0.5 e 1 mm on request.
 Air consumption 110lt/min.
 Weight 280 gr.



AIRBRUSH E70 Art. 36118

Airbrush round spray / fan adjustable with tank 500 cc. Ø nozzle 1.2 mm. Air consumption 200lt/min.
 Weight 630 gr.
 Aluminium tank 500 cc.



AIRBRUSH VL-SET Art. 36135

Professional spray gun with dual action siphon feed internal mix type and VL1 (low viscosity), providing fine/medium/high, designed for the setting both right and left. INCLUDES: airbrush VL-SET, safety cap, 2 glass bottle assembly 29cc and 88cc, 1 bottle & cap 29 cc, 2 caps, 1 metal cup 7 cc, 2 mixers, 1 hanger, 1 wrench, 1 air hose 2.6 mt, instruction.



SPIRAL EXTENSION TUBE

with bayonet joints
 Art. 11426 Rilsan 8x6 Length. 5 mt
 Art. 11429 Rilsan 8x6 Length. 7.5 mt
 Art. 11427 Rilsan 8x6 Length. 15 mt
 Art. 16582 connecting tubes 2 nut cutter 1/4



AIR PEN EASY Art. 36125

Airbrush equipped of two inferior tanks 22 cc. with quick-change system.
 Body nylon / fiberglass.
 Connecting flexible hose 1,5 m.
 Suitable for precision hobby work.



BLOW MOLDING AIR GUN

Art. 16501

Pipe folded antiscratch nozzle
 Body in PA6 impact resistant plastic, air valve with progressive opening, blowing brass tube length 105 mm, nozzle antiscratch rubber ends.



MINI-COMPRESSOR FOR AIRBRUSHING

Art. 16437

Compressor, without tank reserve, for airbrushes with a handle for the transport, condensate separator filter and manometer for precise air adjustment. 220 Watt motor. 230 V / 50 Hz. Capacity 23 lt / min. Dimensions: 280x140x220 mm. Weight 3.6 Kg.

VACUUM TECHNOLOGY

VACUUM APPLICATIONS IN THE RESTORATION

In the monumental restoration works vacuum impregnation system is now essential to ensure deep penetration and a homogeneous distribution of resin impregnation. This procedure is applied with two different equipment depending on the size of the objects to be treated: -in case of small archaeological objects, statues, capitals, columns, using an autoclave, which is constituted by a steel cylinder closed at the bottom of appropriate thickness, constructed in modular sections so it can be adapted to the object to contain, with a closure lid to vacuum seal. Alternatively, for small items, you can use a vacuum bell acrylic - for the impregnation of entire parts of monumental articles, using sheets of polypropylene, they in fact, allow to realize, not being bound by the shape and extension of the article, a "container" that adapts to the objects to be impregnated. Similarly, the same technique is used for disinfection and the consolidation of the wood. In the restoration of the paintings, the problem is different, because you should not make the impregnation but a bonding between surfaces. So you only use a system composed mainly of a sheet of plastic material called "sack" and a soft synthetic felt said "aerator", all applied on a rigid surface, which can be a simple work table or a "hot table"



DRY VACUUM PUMP

Suitable for impregnation of statues and stone materials, bonding of frescoes painted on panels and lining. Complete control vacuum - vacuum gauge - micro filter paper - non-return valve.

DRY VACUUM PUMP OIL-LESS Art. 33011/6

Rotary vacuum pump very silent dry type with graphite vanes, made entirely of die-cast aluminum with practical carrying handle. The monoblock design with the rotor directly assembled on the motor shaft reduces weight and overall dimensions. Air flow: 6 m³/h - Power: 230 VA
Max vacuum: 120mbar
Dimensions: 225 x 19 x 20 (h)cm
Weight: 13 Kg. Adjusting vacuum - vacuum gauge - filter made of sintered material.



Art.	Air flow mc/hour	Power supply Volt/Hz	Power. Watt	Vacu-um mbar	Weight Kg
33020	10.5	220/50	370	80	15
33025	24.6	220/50	880	80	30



DRY VACUUM PUMP OIL-LESS Art. 33005

Air flow: 40 lt/h
Power: 20 Watt
Max vacuum: 680 mm Hg
Weight: 7.5 Kg
Adjusting vacuum - vacuum gauge



VACUUM BELL DESICCATOR

Art. 33026
In acrylic material with vacuum pump connection

AUTOCLAVE TO VACUUM CONSOLIDATION

CYLINDRICAL 2 SECTIONS Art. 33061 Composed of a steel cylindrical tank with two overlapping sections. Ø 50 cm. Height of the base section 85 cm, height second section 50 cm. Volume 170 lt. Complete with fittings for loading and unloading of liquid product, vacuum gauge and vacuum pump for attack. The base section can also be used alone for smaller items.

RECTANGULAR TANK Art. 33063 Consists of a steel tank painted externally mounted on a wheeled trolley. Cover with inspection window and closing at 8/10 lobed leaflets and vacuum seals. Equipped with: loading and unloading of product consolidator, connection for vacuum pump and vacuum gauge. Interior dimensions: 650x450x400 h mm. Weight about 150 Kg.

DEFORMABLE VACUUM FILM PROTECTOR

Art. 32035

The casing in which to create the vacuum is a film based on modified polypropylene to reach high temperatures. The main features are the unique plasticity and excellent puncture resistance. Softening point: 219 ° C. Thickness of 40 microns - 400% Elongation - Bob. 220 cm x 100 m.

VACUUM AREATOR Art. 32021

It's a thin felt (height 100 cm) in polyester fibers resistant to high temperatures, with excellent permeability properties of the solvent vapors. Max temperature of use 180 ° C. Thickness 5 mm.

VACUUM SUCTION PAD Art. 32015

Base diameter of 45 mm. The union between the suction pipe connected to the pump and the bag is through the use of suction pads that are applied in any point of the bag specially drilled.

PNEUMATIC CONNECTION Art. 32055

To obtain a uniform depression in large bags it is advisable to increase the suction points using multiple suction cups. This is possible thanks to a distribution unit equipped with 4 outputs each with quick-closing valve ball.

VACUUM SEALER Art. 32033

Nature butyl, easy to seal each bag type. Lenticular section: 2 x 7 mm

STEAM - HOT AIR

VAPORJET 2000BT

Art. 11630



VAPORJET 3000

Art. 11637 + 11636



NOZZLES SUPPLIED

VAPORJET

steam generators with automatic winding with low voltage control.

Wheeled steam generator made in stainless steel and blocks for use on work benches. Copper boiler with two band heaters, inserted separately through a keypad on the front of the machine. The copper boiler, with external dry strength, has the advantage of not deteriorate and save electricity reducing the waiting time of heating. The boiler is automatically recharged by the internal pump additional water from the tank. For water supply is not need to stop the machine to cool. A pressure regulator is mounted on the front of the machine and allows a precise sampling of steam for interventions on objects very delicate. The standard gun is equipped with quick connection, with a long tube of external protection, and ends with interchangeable nozzles, nozzle sets included. The controls on the gun are at low voltage according to the safety rules.

STEAM PLATE FOR WALLS

Art. 11636 Accessory for Vaporjet 3000

Article	Power watt	Power supply volt	Press. max atm	Boiler tank liters	Weight kg
11630	2000	230	4.8	2.8 lt + 2.5lt	8
11637	3000	230	6	5 lt + 5 lt	40



TIP Ø 4,4 mm



TIP Ø 2,5 mm



Art.19943/DGT

MICRO HOT AIR BLOWER Art.19943/DGT

Hot air blower equipped with temperature control and display on backlit LCD display, adjustable air flow, and comes standard with two interchangeable nozzles. Temperature sensor for closed loop control, high power start-ups. Power: 320W. Capacity: 24 l/min (max) - Hot air temp: 150-500°C. Sensor: thermocouple k

Art.19939



HOT AIR GUN SET Art. 19939

System of hot stripper supplied in a carrying case included accessory kit Temperature selectable between 2 options (300-600 °C). Airflow adjustable in 2 stages (500/650 l / min). Power 2 kW Power supply 230V-50Hz. Weight: 0.680 Kg.



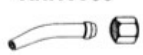
Art.19939/DIGI



HOT AIR GUN SET type COLT DIGITAL Art. 19939/DIGI

Hot blowing system with digital electronic temperature control, temperature display on the LCD. For heating, folding and bending plastic, for removing paint on wood and stone materials, etc. Supplied in carrying case including accessory kits (3 nozzles and spatula shape triangle). Adjustable temperature: 50-600 °C. Airflow adjustable in 2 stages (300/500 l / min). Power 2000 W. Power supply 230V-50Hz. Weight: 735 gr. Power 2 kW Power supply 230V-50Hz

Art.19935

round 6mm
compressoflat 20mm
Art. 19936flat 40mm
Art. 19937

HOT AIR GUN SET Mod. SCIROCCO Art.19935

Hot air gun set with motor group and built-in impeller. Option to vary temperature of the air in a continuous manner from 50 to 650°C, through electronic control located in the handle. Interchangeable nozzles. Included round Ø 6 mm Electrical supply 220 Volt - Power 1000 Watt - Weight 950 gr

ULTRASOUND TANK - MICROWELDER

ULTRASOUND TANK SERIES INOX WITH HEATING

The principle of operation of ultrasonic tanks is based on the electrical stress of ultrasonic transducers at a frequency of about 40 KHz (40,000 movements per second). If the intensity of the ultrasonic waves is sufficient, it manifests the phenomenon of cavitation (the formation of zones of vapor within a fluid) that causes tiny implosions inside the liquid. The ultrasonic cleaners are used in various fields: Coins and archaeological metal, metal musical and scientific instruments, etc..The object to be cleaned is placed in the tub, filled with water, or with a liquid detergent. Turning on the tub generates the effect of the "cavitation" which removes dirt particles from the surface, relatively little members; in some cases the removal of dirt is also visible to the naked eye through a gradual clouding of the cleaning liquid, which begins in the immediate proximity of the workpiece from pulire. You can get good results by simply taking advantage of the effect of cavitation in pure water, and the effect increases with warm or hot water; however, a considerable increase of efficiency in action cleaning can be achieved with various types of detergents in solution; are usable solutions consisting of a surfactant to facilitate the removal of fatty substances and chelating agents for the products of corrosion of metals. Treatment times are of the order of tens of minutes, depending on the amount, the tenacity and the type of dirt to be removed. The ultrasonic cleaning works in areas difficult to reach by traditional means, and is well controllable and scalable in its effects. Ultrasonic cleaners made entirely of stainless steel with alphanumeric LCD display for setting the operating parameters and are supplied complete with lid, the basket can be ordered separately.

- Stainless steel ultrasound tank.
- Alphanumeric LCD display
- Digital adjustment of the cleaning time (1-99 min)
- Digital control of temperature (20-75 ° C).
- Adjusting of the ultrasound power (40-100%)
- Level control (for conductivity) can be excluded.
- Pulse function for quick degassing.
- Storage and display of time and temperature settings.
- AUTO-OFF function (automatic shutdown of the machine adjustable from 1 to 8 hours of inactivity).
- Power circuit with high efficiency and reliability.
- Operation "sweep mode"
- Drain cock. Compact size

Article	Volume lt	Heating °C	Power watt	Dimensions mm	Weight kg	Basket
19196/4R	4	20-75	450	260x160x310	5	19198/CE4R
19196/6R	6	20-75	500	325x265x270	9	19198/CE6R
19196/12R	12	20-75	850	325x265x370	10	19198/CE12R
19196/28R	28	20-75	1600	530x325x400	20	19198/CE28R



Art. 19196/6R



Art. 19196/28R

LABORATORY MICROWELDER Art.75232

The microwelder is based on the electrolytic dissociation of mixed gas. For its operation uses only demineralized water and alcohol. The flame is generated by the combustion gases of two natural products, hydrogen and oxygen, which do not produce any gas harmful to the operator. Its temperature of 3200 ° C allows the welding of all metals such as: gold, silver, platinum, palladium, brass, copper, steel, chromium, nickel.

Technical specification.

Gas production	45 Lt/hour
Consumption of dem. water	22 cc/hour
Consumption of alcohol	9 cc/hour
Capacity of alcohol	153 cc
Max power	280 Watt (230V)
Electrolyte quantity	0.5 lt
Dimensions LxPxH	28.5 x 29x 23 cm
Weight	14 Kg

On request models with gas production up to 700 lt./hr



SCALPELS - BLADES - PROBES

BLADE FOR SCALPEL

Carbon steel - Actual size

Art. 14121 **RESTAURARTE** 1- 25 - 100 pcs

Art. 14121/AESC **AESCULAP** 100 pcs

Art. 14120 **SWANN-MORTON** 5 - 100 pcs



SCALPEL HANDLE N° 3

Art. 14111 In stainless steel
For blades N° 10 - 11- 12
- 15 - 15C. Actual size

SCALPEL HANDLE N°4

Art. 14112 In stainless steel.
For blades N° 18 - 20 - 21 -
22 - 23 - 24. Actual size



SCALPEL FIXED BLADE STRAIGHT Art. 14117/P
16.5 cm in stainless steel - Actual size



SCALPEL FIXED BLADE ROUND TIP Art. 14117/T



POINTER SCALPEL Art. 15105
13 cm in stainless steel - Actual size



HOOK PROBE Art. 15106
16.5 cm in stainless steel - Actual size



PROBE DOUBLE ENDED Art. 15107
17 cm in stainless steel - Actual size



SCRAPER Art. 14118
in stainless steel, plastic handle. Length 16 cm - Actual size

TWEEZERS - SCISSORS

HAEMOSTATIC PINCERS

In stinless steel.

STRAIGHT

Art. 80440 18 cm
(in the figure - Actual size.)
Art. 80444 20 cm

CURVED

Art. 80442 18 cm
Art. 80449 20 cm



CURVED POINT MICROSCOPY TWEEZERS Art. 80450/105
12 cm stainless steel - Actual size

CURVED POINT TWEEZERS Art. 80454
13 cm stainless steel - Actual size

POCKING TWEEZERS Art. 80451
17 cm curved point in steel - Actual size

CURVED POINT TWEEZERS Art. 80450
20.5 cm stainless steel - Actual size

CURVED POINT TWEEZERS Art. 80453
18 cm stainless steel - Actual size

STRAIGHT POINT TWEEZERS Art. 80452
20.5 cm stainless steel - Actual size

PINZETTA A PUNTA NYLON Art. 80454/NYLON
16 cm in acciaio punta nylon - Dimensioni ridotte

STRAIGHT POINT TWEEZERS

Art. 80452/105
105 cm
stainless steel



SHEARS FOR CANVAS
Art. 14151 10" steel



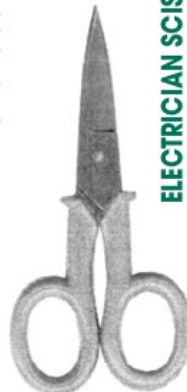
SHEARS FOR CANVAS
Art. 14148 8" steel



PAPER SCISSORS
Art. 14153 9" steel



MEDIUM SCISSORS
Art. 14157 6" steel



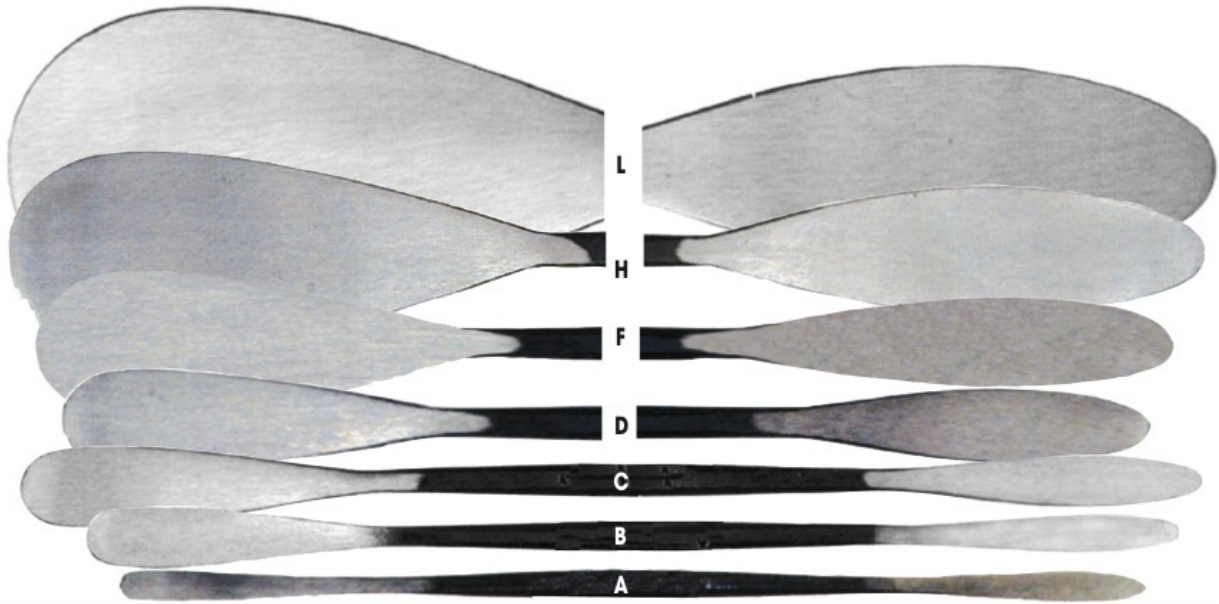
ELECTRICIAN SCISSORS
Art. 14141 dritta 140 mm in
plated steel with isolated
handle



EMBROIDERY SCISSORS
Art. 14159 3.5" steel

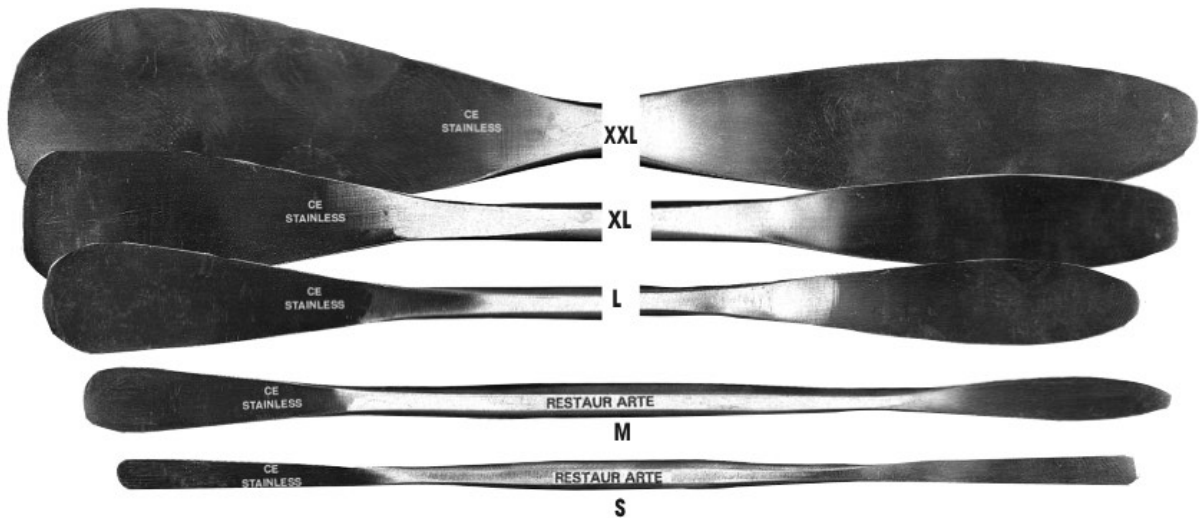
TOOLS

SPATULAS DOUBLE LEAF



SPATULAS DOUBLE LEAF IN HAND FORGED STEEL OCTAGONAL HANDLE

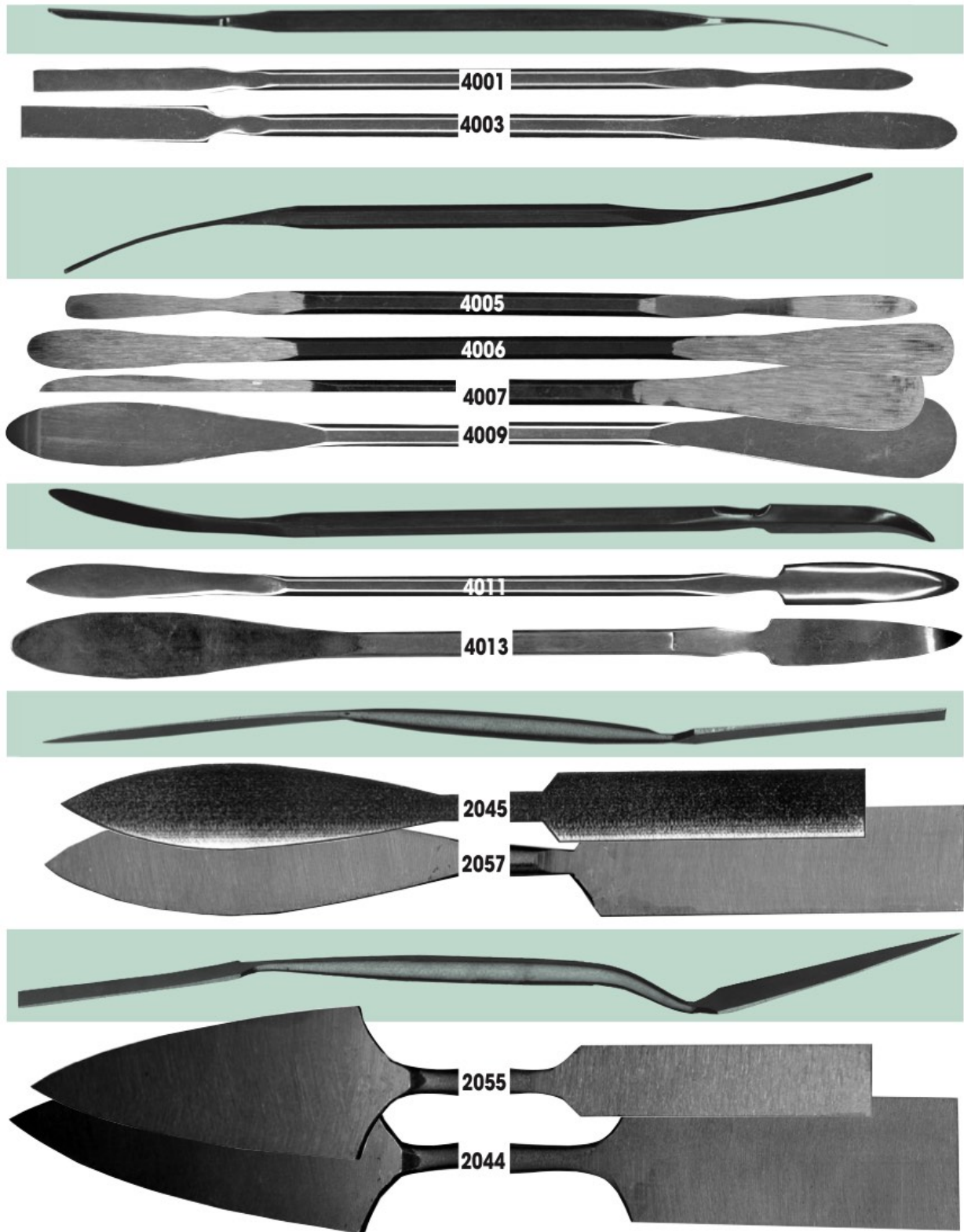
Article	Description	Leaf left mm	Leaf right mm	Length mm
15157	SPATULA L	48	30	290 mm
15155	SPATULA H	29	20	250 mm
15153	SPATULA F	22	13	220 mm
15154	SPATULA D	14	11	195 mm
15152	SPATULA C	12	8	180 mm
15151	SPATULA B	9	5	165 mm
15150	SPATULA A	5	4	155 mm



SPATULAS DOUBLE LEAF IN STEEL

Article	Description	Leaf left mm	Leaf right mm	Length mm
15057/XXL	SPATULA XXL	35	20	250 mm
15057/XL	SPATULA XL	25	15	220 mm
15057/L	SPATULA LARGE	17	12	195 mm
15057/M	SPATULA MEDIUM	10	7	165 mm
15057/S	SPATULA SMALL	5	5	155 mm

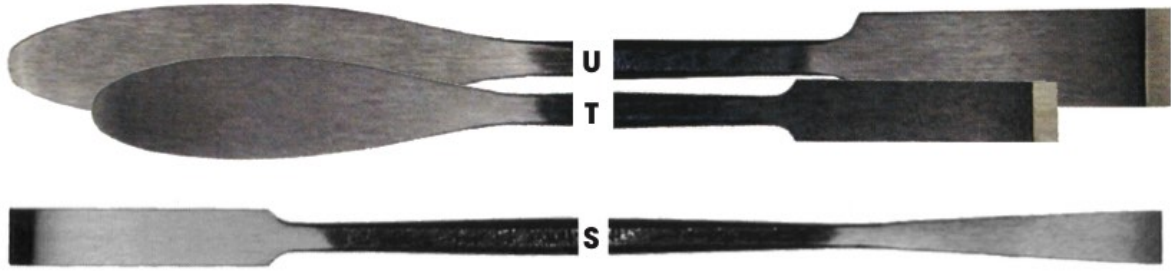
SPATULAS DOUBLE LEAF



SPATULAS IN STEEL Art. 15059/....

Item.	4001	4003	4005	4006	4007	4009	4011	4013	2045	2057	2055	2044
Length.mm	165	185	160	175	185	210	175	210	215	245	240	270
Right mm	5	7	5	7	8	13	7	12	15	20	29	30
Left mm	4	7	5	10	14	17	8	10	13	20	13	24

SPATULAS FOR SCULPTURE AND DECORATION



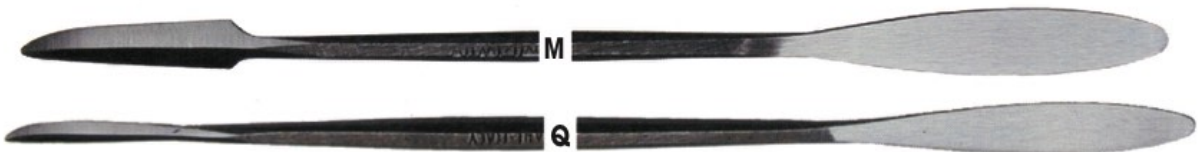
SPATULAS IN HAND FORGED STEEL

Article	Description	Leaf left mm	Leaf right mm	Length mm
15145	SPATULA U	17	14	225
15142	SPATULA T	12	9	195
15148	SPATULA S	8	7	170



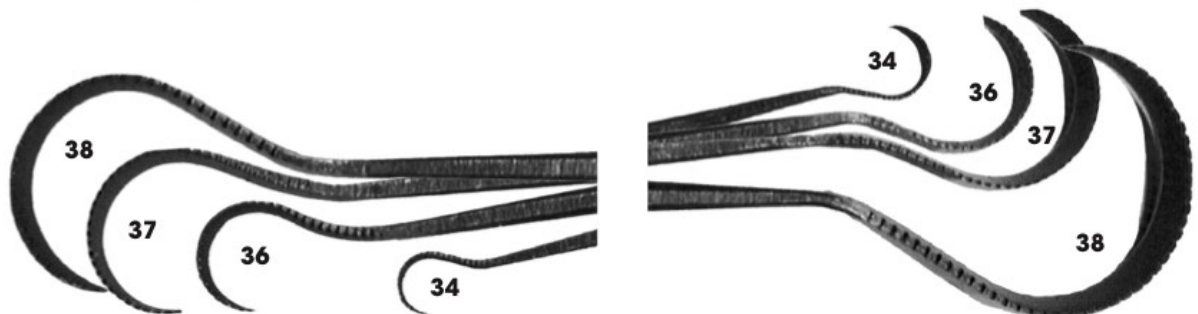
SPATULAS IN HAND FORGED STEEL

Article	15141/..											
Item	55	56	57	58	59	60	61	62	63	64	65	66
Length. mm	150	160	170	177	190	207	222	227	242	266	292	312
Width. spatula mm	5	7	9	12	15	17	20	23	24	30	35	40
Width. chisel mm	3	5	6	9	11	13	15	17	22	26	30	37



SPATULAS IN HAND FORGED STEEL

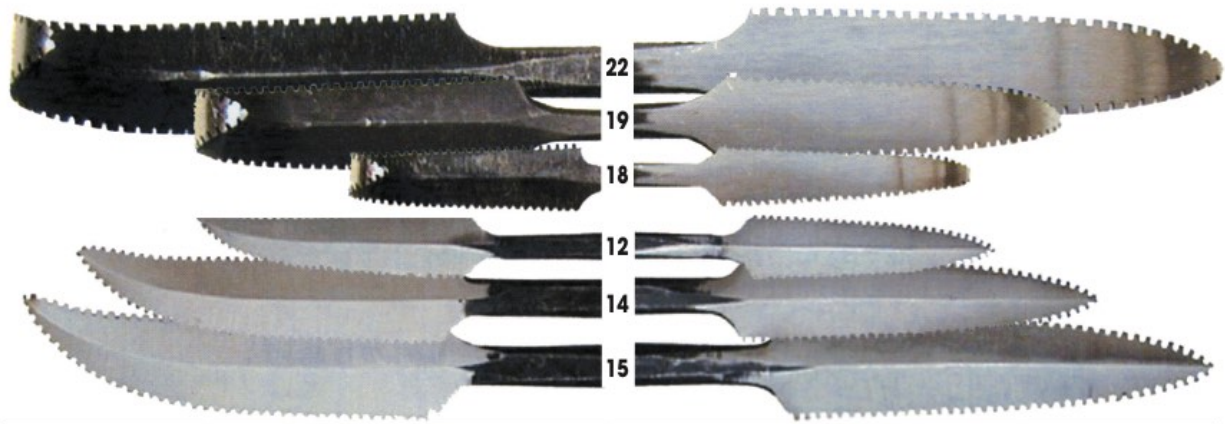
Article	Description	Length mm
15114	SPATULA M	180
15112	SPATULA Q	185



SPATULAS IN HAND FORGED STEEL

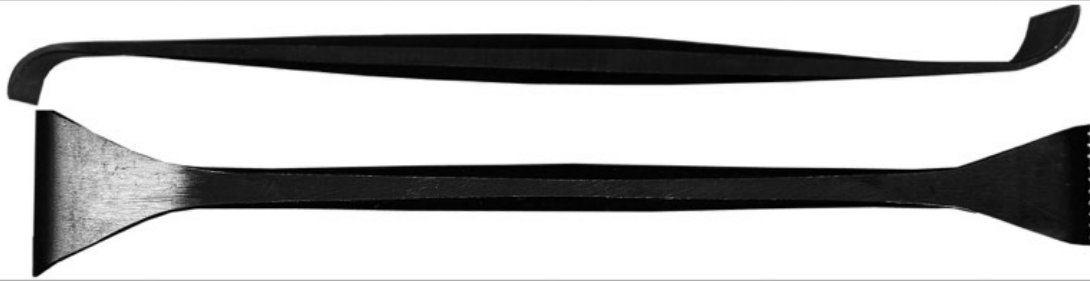
Article	Description	Length mm
15139	SPATULA 38	255
15138	SPATULA 37	235
15137	SPATULA 36	210
15135	SPATULA 34	165

SPATULAS FOR SCULPTURE AND DECORATION



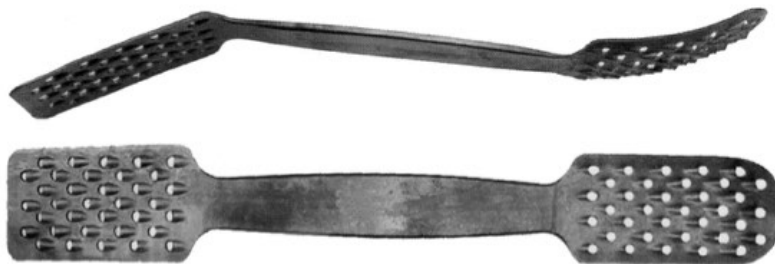
SPATULAS IN HAND FORGED STEEL

CURVED			PLATE		
Article	Description	Length mm	Article	Description	Length mm
15131	SPATULA 22	275	15125	SPATULA 15	245
15130	SPATULA 19	220	15124	SPATULA 14	220
15129	SPATULA 18	185	15122	SPATULA 12	185



IRON TOOL FOR GRAFFITI IN HAND FORGED STEEL

Article	Description	Length mm	Left mm	Right mm
15165	IRON TOOL GRAFFITO 142	205	35	50
15164	IRON TOOL GRAFFITO 141	195	28	40
15163	IRON TOOL GRAFFITO 140	175	20	30
15162	IRON TOOL GRAFFITO 139	170	15	22
15161	IRON TOOL GRAFFITO 138	160	9	12
15160	IRON TOOL GRAFFITO 137	155	5	7
15159	IRON TOOL GRAFFITO 136	150	3	4

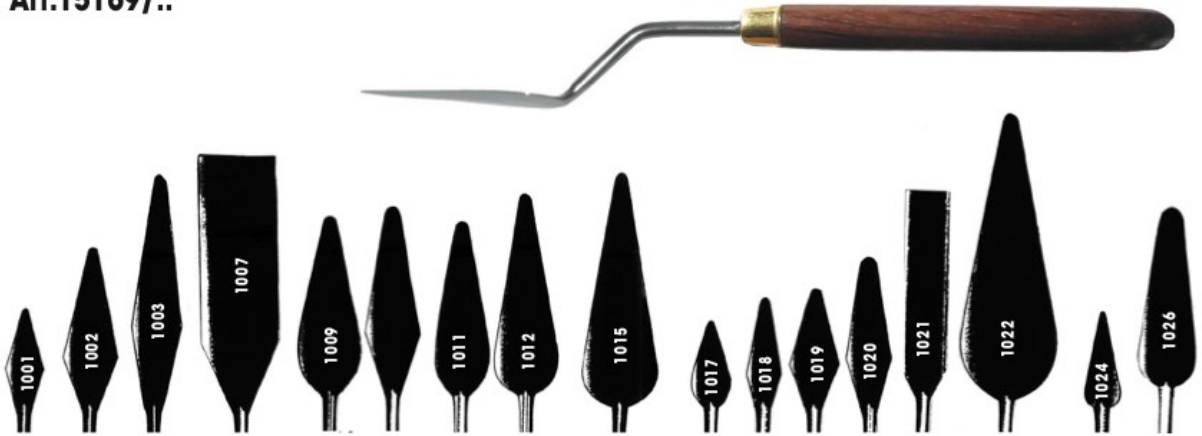


CHALK RASP IN STEEL HAND FORGED

Article	Width mm	Length mm
15215/18	23	180
15215/20	26	200
15215/25	34	250
15215/30	47	300

SPATULAS IN STEEL WOOD HANDLE

Art.15169/..



TOOLS

SCALE 1:2

CHISEL - TROWEL - PLASTERER'S FLOATS



CHISELS WITH END IN TUNGSTEN CARBIDE

Article	Width cutting mm	Ø mm	Weight gr.
15311	3	6	43
15312	4	6	44
15313	5	6	45
15314	6	6	46
15315	7	7	62
15316	8	8	81
15318	10	10	125
15320	12	10	128
15322	14	13	216
15324	16	13	218
15324/20	20	13	239

Chisels in steel with tungsten carbide applied for brazing, suitable for operations of sculpture and restoration of granite, masonry, marble and stone materials in general. Handle length 200 mm with hexagonal plate with tungsten carbide plate length 10/18 mm and thickness of 1/4 mm.



SPATULA SICODUR

Art. 15172 In orange resin with wood handle. Dim. 200 x 130 x 2.5mm



SPATULA BLADE RUBBER

Art. 15172 /RUB
Made of resin with wood handle and rubber blade. Dim. 200 x 130 x 2,5mm



GRADINE

Art. 15305/084 da 8 mm - 4 teeth
Art. 15305/124 da 12 mm - 4 teeth
Art. 15305/154 da 15 mm - 4 teeth



RUBBER ROLLER

Art. 15019 5 cm
Art. 15016 18 cm



UNIVERSAL SCRAPER

Art. 15221 In stainless steel with wood handle



SPATULA IN FLEXIBLE STEEL

Art. 15167 For frescoes. Length 360 mm.

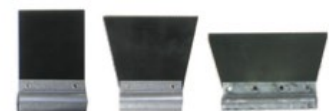


SPATULA IN WOOD HANDLE

Art. 15177 20 mm
Art. 15179 50 mm
Art. 15181 80 mm



TROWELS 120 mm.
Art. 15171/A arrow point
Art. 15171/T round point
Art. 15171/I mod. english



SPATULA TOOTHED

Art. 15061 80 mm
Art. 15064 120 mm
Art. 15068 200 mm



WOOD PLASTERER'S FLOAT

Art. 15253 dim. 14x40 cm



STAINLESS STEEL PLASTERER'S FLOAT

Art. 15251 dim. 12x28 cm



SPONGE PLASTERER'S FLOAT

Art. 15255 dim. 15x15 cm.
Aluminium stand.

BRUSHES - PAINT BRUSHES - SIEVES



NAILBRUSH Art. 15444
In nylon.



SMALL BRUSHES
Dim. 145 x 20 x 30 mm.
Length bristle 18 mm.
Art. 15411/A steel
Art. 15411/O brass
Art. 15446 nylon



SMALL BRUSH
Art.15414 In brass/bristle
Dim. 170x20x28 mm
Length bristle 18 mm.



TOOTH BRUSH
Art. 15453
In artificial bristle.



BIG BRUSHES
Dim. 275 x 35 x 40 mm.
Length bristle 25 mm.
Art. 15413/A stainless steel
Art. 15413/O brass
Art. 15413/V vegetable fiber



BROOMCORN BRUSH Art. 15436
Dim. 220 x 90 x 50 mm.
Length bristle 30 mm.



BROOMCORN BRUSH
Dim. 170 x 50 X 45 mm.
Length bristle 25 mm.
SYNTHETIC Art. 15431
NATURAL Art. 15437



NYLON PAINT BRUSH
hard for paint remover.
Art. 61729/30 width. 30 mm
Art. 61729/40 width. 40 mm
Art. 61729/50 width. 50 mm



BROOMCORN BRUSH Art. 15439



RUBBER PAD FOR SANDPAPER

Art. 18581
Dim. 120 x 65 x 34 mm.



ALUMINIUM SIEVES For powders and liquids.
Supplied with 3 brass nets, meshes other interchangeable. 1 x 1 - 0.5 x 0.5 - 0.1 x 0.1 mm
Art. 15041 Ø 15 x 7 cm.
Art. 15044 Ø 27 x 13 cm.
Art. 15042 net sapre for Art.15041
Art. 15045 net sapre for Art.15044



STAINLESS STEEL SIEVES

Article	Diameter	Ø Grain passage average
15036/FINE	210 mm	0/0.4 mm
15036/MEDIUM	210 mm	0/0.9 mm
15037/FINE	300 mm	0/0.4 mm
15037/MEDIUM	300 mm	0/0.9 mm
15037/BIG	300 mm	0/2 mm

WARNISHES FILTER
Art. 15015 In aluminium
for nylon net.



Art. 15014 Nylon net
Mesh opening 2000-5000-10000
Package 10 pz.



D4



D3



D2



D1



D14

Tipo econ. Art. 15055

FLEXIBLE BOWL IN SILICONE RUBBER

For chalk and filler

Article	Diameter	Height	Colour
15046/D14	90 mm	60 mm	green
15046/D1	110 mm	75 mm	green
15046/D2	125 mm	90 mm	green
15046/D3	140 mm	115 mm	green
15046/D4	165 mm	155 mm	green
15055 economic	130 mm	95 mm	black

INJECTION/SPRAYING SYSTEMS



PLASTIC SYRINGES WITHOUT NEEDLE

Article	Capacity	Article	Capacity
35009	05 cc.	35014	30 cc.
35011	10 cc.	35015	50 cc.
35012	20 cc.	35019	100 cc.



RUBBER SYRINGE Art. 35030 I

In soft gum 180 cc.



NEEDLES IN STEEL Actual size.

Article	Diam	Length	Cone
35050 (G18)	1,2 mm	40 mm	plastic
35051 (G17)	1,4 mm	38 mm	plastic
35051 (G16)	1,6 mm	38 mm	plastic
35051 (G15)	1,8 mm	38 mm	plastic
35051 (G14)	2 mm	38mm	plastic
35048	1,6 mm	30 mm	metal
35053 SP	2 mm	40 mm - cut	metal
35053	2 mm	40 mm	metal

SPRAY GUN Art. 11413

With brass tube 40 cm. Suitable for products based water and solvent. Without spiral tube.

INJECTION GUN Art. 11417

Flexible nylon tube. Can be installed a needle G18. Without spiral tube. Suitable with injector Art. 11412.

SPIRAL TUBES

Rilsan spiral tube 8x6 mm with bayonet joints

Art. 11426 5 m - Art. 11429 7.5 m - Art. 11427 15 m.



SYRINGE FOR USE WITH SOLVENTS Art. 35013



Syringe without buffer rubber resistant to common solvents. Made of polypropylene/polyethylene. Volume nominal 20 ml. Volume usable up to 24 ml.

FLEXIBLE NEEDLES Art. 35047

Polypropylene truncated tip. Actual size Ø 1.5x35 mm



SNUBS NEEDLES

stainless steel, truncated tip polypropylene cone Ø1.5x 5mm. Actual size.

Article	Diam.	Type
35041/09	Ø 0,9 x 15mm	Yellow
35041/12	Ø 1,2 x 15mm	Pink
350481/16	Ø 1,6 x 15mm	White
35041/18	Ø 1,8 x 15mm	Transparent
35045	Ø 1,5 x 15mm	Curved



NEEDLES IN BRASS

Article	Capacity
35021	125 cc.
35023	250 cc
35025	500 cc

STAINLESS STEEL INJECTOR

Art. 11412 Suitable for products based water and solvent. Particularly suitable for water-repellent and resin injection. Stainless steel container of 8 liters. Complete with pressure gauge, pressure regulator use, gun with injection, spiral pipe 3.75 meters, double outlet with cock. On gun can be installed a needle G18.



PRESSURE SPRAYER INOX

aggressive liquids

Art.76619 Pressure sprayer 2 liters

Art.76621 Pressure sprayer 10 liters

Art.76623 Pressure sprayer 6 liters

Art.76625 Trolley for pressure sprayer 10 liters. Ideal for products with solvents, water repellents, insecticides, release agents for building. Stainless steel tank with safety valve 6 atm, manometer, brass piston group, viton seals, and stainless steel spear with control lever and adjustable brass nozzle.

BOXES FOR YARD



TOOL CARRYING BOXES FOR YARD

Tool carrying boxes are made from strong steel and fully welded. On the lid and on the sides there are handles for handling. On the bottom there is a hole for the eventual discharge of condensate. It can be easily straddled with a forklift through the foot h 50 mm or lifted up with ropes or chains attaching them to the 4 strong side hooks made of round steel diameter 15 mm. They are supplied complete with 2 padlock of 60 mm and painted

Article	External Dim.			Internal Dim.			Volume	Weight
	Length	Width	Height	Length	Larghezza	Width		
75601	1370	720	700	1070	550	600	350	55
75603	1800	720	700	1600	550	600	500	75

Containers for transporting and storing construction equipment in painted metal or aluminum. Equipped with handles for transport.



VARNISHED STEEL CASES

Article	External Dim.			Internal Dim.			Volume	Weight
	Length	Width	Height	Length	Width	Height		
75611	770	420	305	750	400	300	90	14,5
75613	915	440	565	825	350	430	125	35,0
75615	1220	620	700	1130	520	600	353	57,5

ALUMINIUM CASES

Article	External Dim.			Internal Dim.			Volume	Weight
	Length	Width	Height	Length	Width	Height		
75624	760	335	250	710	285	225	45	5,5
75623	1240	385	385	1185	335	365	145	14,0
75625	1445	520	460	1395	435	440	267	21,5

SUITCASES



SUITCASES ERMETIC LINES SHOCKPROOF IP67

Ideal for transporting scientific equipment and moisture-sensitive objects such as archaeological finds, manuscripts, paintings, etc. (micro-climate stabilization with ART-SORB passive conditioning system). Exceptional impact resistance, corrosive substances, water, dust, and atmospheric agents. Waterproof up to 10 m deep. Body in plastic resin with high thickness. Prefabricated cubicle inner protection foam. Neoprene O-ring sealing gasket. Pressurization valve. Pressed closures with locking pads from 1 to 12 levers according to model. Temperature resistance -33 ° C + 90 ° C. Self-lubricating wheels in larger models.

Article	External Dim. mm	Internal Dim. mm	Weight g
79172	258x243x117,5	235x180x106	1000
79174	258x243x167,5	235x180x156	1200
79176	336x300x148	300x225x132	1750
79178	464x366x176	26x290x159	2780
79180	555x428x211	500x350x194	3860
79182	574x361x225	520x290x200	4100
79184	594x473x215	538x405x190	4900
79186	594x473x270	538x405x245	5300
79188	687x528x276	620x460x250	6900
79190	687x528x366	620x460x340	8000
79192	1177x450x158	1100x370x140	8300
79194	816x540x306	750x480x280	10200
79196	816x540x426	750x480x400	12100

The standard supply includes the pre-baked internal sponge, available on request. The models from art. 79180, 79182, 79184, 79186, 79188, 79190 are also available in Trolley version with wheels and telescopic handle. Art. 79194 and 79196 have standard wheels.



PLASTIC CASE Art. 76553

In polypropylene.
Dim. 320x280x119 (h) mm.
Supplied with 2 sponges.



STOOL TOOLHOLDERS BOX

Art. 76565

In polypropylene.
Dim. 515x287x338 (h) mm



RIGID CASE

Art. 79581

In anodised aluminium
Dim. 362 x 220 x 252 mm.



TOOLS CASE Art. 79567

In polypropylene.
Dim. 406x252x244 (h) mm.
Equipped with a mobile deck.
Colour black.



TOOLS METAL CASE

Art. 79582

In metal.
Dim. 320 x 230 x 150 mm

PLASTIC CONTAINERS



BECHER

Material: polypropylene
Resistant until 120°C

Art.	Capacity cc
76703	50
76704	100
76705	250
76707	500
76708	1000



GRADUATED CYLINDERS

Material: polypropylene
Resistant until 120°C

Article	Capacity cc
76715	10
76717	50
76718	100
76719	250
76720	500



TRANSPARENT JARS

Material: crystal polystyrene
With pressure cap white polythene

Article	Capacity cc
76268	50
76270	100
76272	200



WIDE-NECKED BOTTLES

Material: polythene
With cap and screw cap

Article	Capacity cc
76202	50
76203	100
76204	250
76205	500
76206	1000
76207	2000



RETTANGULAR BOTTLES

Material: polythene
With cap and screw cap

Article	Capacity cc
76202/R	50
76203/R	100
76204/R	250
76205/R	500
76206/R	1000
76207/R	2000



JARS WITH CAP AND SCREW CAP

Material: polythene
With cap and screw cap

Article	Capacity cc
76241	70
76243	120
76245	200
76247	500
76249	1000
76251	2000



GRADUATED CYLINDRICAL JUGS

Material: Polypropylene

Art.	Capacity Lt	Diam. mm	Height mm
76735	0.250	65	95
76736	0.500	75	120
76737	1	120	135
76738	2	145	170
76739	3	165	185



CURVED BARREL WASH BOTTLES

Material: polythene

Article	Capacity cc
76607	250
76609	500
76611	1000



SCOOPS

Material: hard polythene/
polypropylene. Colour: white

Article	Capacity cc	Length mm
76541/10	10	103
76541/25	25	137
76541/50	50	164
76541	90	180
76541/100	100	202
76543	250	240
76545	600	300



FUNNELS

Material: hard polythene

Art.	Ø sup. mm	Ø inf. mm
76511	100	10
76512	120	12
76513	140	16
76515	210	21

PLASTIC CONTAINERS



STOCKABLE TRANSPARENT BOXES WITH CAP

Material: polypropylene

Article	Cap. lt	Weight gr	Ext. measure mm	Int. measure mm
76539/20	20	980	380x285x295	280x205x275
76539/40	40	1620	580x380x255	475x310x240
76539/60	60	2050	580x380x375	475x310x360



BOXES WITH CAP AND LOCKING HOOKS

Material: Polythene white

Article	Cap. lt	Weight gr	Ext. measure mm	Int. measure mm
76538/15	15	1100	350x250x200	320x220x200
76538/20	20	1260	400x300x200	365x265x200
76538/30	30	1450	450x350x250	410x310x237
76538/40	40	2600	500x400x250	470x365x240
76538/50	50	3200	550x400x290	520x365x280
76538/60	60	3800	620x400x310	585x365x295
76538/100	100	4800	750x445x400	700x395x380



BOXES WITH TRANSPARENT DRAWERS

Material: external shockproof polystyrene
Drawers: food polystyrene

Article	Weight gr	Ext. measure mm	Int. measure mm
76567	400	215x152x120	180x100x95
76567	1135	312x215x155	270x150x130
76567	2250	450x317x189	400x250x164



Artt. 76525-26



Art. 76526/F

STACKABLE BOXES

Full bottom. Closed walls. 76525-26 or open walls 76526/F. Material: grey hard polythene

Article	Cap. lt	Weight gr	Ext. measure mm	Int. measure mm
76525	10	900	400x300x120	353x253x117
76526	20	1500	400x300x220	353x253x217
76526/F	20	960	400x300x220	353x253x217



BUCKET

Art. 76426

Material: Polyethylene
Colour: black
Capacity: 15 liters



GRADUATED BUCKET

Material: hard polyethylene
Colour: white

Art.	Cap.lt.	Ø. sup.	Ø. inf.	height
76421	9	270	200	250
76422	12	302	220	280
76423	17	335	245	310



BOTTLE WITH TAP

Material: polyethylene

Art.	Capacity lt
76215	5
76217	10
76219	20
76221	25
76225	50



WIDE-NECKED DRUM

Art. 76318

Material: hard polyethylene
Colour: blue
Capacity lt: 30
With clasp in galvanized iron sheet and folding handles.



STANDARD TRESTLE FOR SACKS

Art. 76790

Material: polythene
Colore: grey
Capacity lt: 110
Height mm: 880
Ø mm: 380

PLASTIC CONTAINERS - SPRAYERS



VAPORIZER FOR WATER & SOLVENTS

Art. 76619 Capacity 2 liters

PRESSURE SPRAYER 10 Art. 19193

Capacity 10 liters.

VAPORIZER 2 Art. 76618

Capacity 2 liter.

VAPORIZER 0,7 Art. 76615

Capacity 0.7 liters

VAPORIZER 8 Art. 76627

Capacity 8 liters

VAPORIZER 16 Art. 76629

Capacity 16 liters



BOXES IN TRANSPARENT POLYPROPYLENE

External dim. 165x112x31 mm

Article	N° sections	dim. sections mm
76559 VTN	1	99 x 161
76559 DTN	3	32 x 161
76559 BTN	5	99 x 31
76559 ATN	6	5(66x31) - 1(32x161)



Art. 76419

MORTAR BASIN

Art. 76419

Material: Polythene

Colour: Black

Dim.: 60x40x15 cm

TRAYS

Polypropylene acid resistant white

Art.	Ext.Dim mm	Int.Dim mm
76412	310 x 370 x 75	240x300x70
76413	320 x 420 x 100	420x520x120
76414	520 x 420 x 120	534x634x140
76415	700 x 500 x 150	648x848x160



Art. 76562/7



Art. 76562/12



Art. 76560V

BOXES IN POLYPROPYLENE

Article	Type	External dim. mm	N° sections	dim. sections mm
76560/V	transparent lid	320x241x45	1	310x231x39
76562/7	transparent	245x156x40	7	1(39x234) - 2(35x156) 3(35x52) - 1(78x107)
76562/12	transparent lid	245x156x40	12	36x78

MICRO SAMPLE TUBE

Type Eppendorf

Materiale: Polypropylene

Art. 76713 capacity 1.5 ml with cap



SAMPLE VIALS

Art. 76714/... Multipurpose polyethylene containers with cap with safety strap for any kind of samples. Lightweight and unbreakable. Can be used as containers for weighing.



SAMPLE VIALS

Article	Vol. mm	Ø x h mm	Weight g
76714/730	1	8 x 32	0.71
76714/731	2.5	14 x 31,5	1.55
76714/737	5	15 x 49	2.5
76714/733	7	22.8 x 32.9	3.5
76714/734	20	24.8 x 74.5	9.7
76714/736	25	31.3 x 52.5	9.5
76714/735	35	31 x 74.5	14

LABORATORY GLASSWARE



GLASS BOTTLES DARK SCREW CAP AND LINER CAP

Article	cc
76121	1000
76123	500
76124	250
76125	125
76122	with dropper 50
76126	30
76127	20

CYLINDRICAL GLASS POTS WIDE MOUTHED SCREW CAP AND LINER CAP

Article	Glass	cc
76142	transp./dark	250
76141	transparent	100
76140	transparent	30

GLASS POTS WIDE MOUTHED METAL SCREW CAP

Article	cc
76151	580
76145	212
76143	106



GLASS BOTTLES EMERY CAP LARGE MOUTH DARK GLASS

Article	cc
76110 /BL	100
76111/BL	250
76115/BL	500
76119/BL	1000
76120/BL	2000

GLASS BOTTLES EMERY CAP NARROW MOUTH WHITE GLASS

Article	cc
76110	100
76111	250
76115	500
76119	1000
76120	2000



GRADUATED BEAKER borosilicate - low shape

Article	cc
77043	25
77045	50
77047	100
77049	150
77051	250
77052	400
77053	600
77055	1000
77059	2000



ERLENMEYER FLASK borosilicate - wide mouthed

Article	cc
77035/250	250
77035/500	500
77035/1000	1000



GLASS VOLUMETRIC FLASK

borosilicate - mopen cap-
calibrated volume

Article	cc
77037/250	250
77037/500	500
77037/1000	1000



GLASS DROPPER WITH LATEX PACIFIER

Art. 77011 Length 190 mm ca. \varnothing 7 mm



GRADUATE DROPPER

Single use type Pasteur in polyethylene

Art.	Capacity ml	\varnothing .mm	Length. mm
77012	1.5	8	134
77013	5.0	10	195

LABORATORY GLASSWARE



GRADUATED CYLINDER

borosilicate - with spout

Article	cc
77069	25
77070	50
77071	100
77075	250
77080	500
77090	1000



CRISTALLIZER DISH

borosilicate - with spout

Article	cc	Ø mm
77061	300	95
77063	500	115
77065	900	140
77066	2000	190
77067	3500	230



GLASS FUNNEL

Article	Ø mm
77003/55	55
77003/100	100



GLASS GRADUATED PIPETTE

div. 1/10

soda lime glass class A

Article	cc
71425	2
71421	10



GLASS ALCHOL BURNER

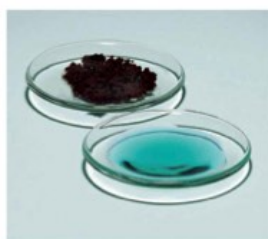
Art. 75234 100 ml
in heavy glass with wick.
Art. 75234/ST wick



GLASS DESICCATOR

with porcelain perorate plate
with lid and fucet

Article	Ø mm
77110	150
77112	200
77114	250
77116	300



CLOCK GLASS

Art. 77005/50 Ø 50 mm



BUNSEN LAMP

Art. 75236 1300°C
Piezoelectric lighting

REFIL GAS FOR BUNSEN

Art. 75237 800 ml.



AVAILABLE ON REQUEST OTHER GLASSWARE AND LABORATORY ACCESSORIES

TOOLS

RESTORATION YARD EQUIPMENTS



NOISELESS GENERATOR 12/230 VOLT Art. 19552/2000

Noiless generator for restoration yard 2000W single-phase.

Power A.C.	2000VA 230 Vol
Continuous power	1600 VA
Power at 12 Volt C. C.	8 A
Manual start	tear
Gasoline engine:	4.5 HP
Nose level at 7 m	51.5 dB (A)
Dimensions:	490x280x445h mm
Weight:	21 Kg.



GENERATOR 220/380 VOLT Art. 19555

Professional generator for restoration yard 220/380 V 4600W/7000 VA single - three phase

Power A.C. MAX 400 volt:	7000 VA
Continuous power 400 Volt:	6500 VA
Power A.C. MAX 230 volt:	4600 W
Continuous power 230 Volt:	3300 W
Electric start	
Gasoline engine:	11.5 Hp
Sound power Lwa:	100
Dimensions:	725x515x585 h mm
Weight:	95 Kg.



UNIVERSAL MULTISOCKET Art. 19531

5 exit bipasso/schuko. ABS body with bright switch.
Cable 1.5 m with plug 16A, 2P+T. Max charge 3000W - 250 Volt



ADAPTOR CEE/SCHUKO - ITALIAN SOCKET 10/16 A

Art. 19531/A

Reduction from CEE socket yard (colour blue) to schuko universal 10/16 A



ADAPTOR CEE/SCHUKO - ITALIAN SOCKET 16 A

Art. 19531/B

Reduction from CEE socket yard (colour blue) to schuko universal 16 A



Art. 19531/A

Art. 19531/B



ELECTRICAL BOARD 3 SOCKETS Art. 19511

Electrical board for yard protection IP65
3 sockets CE 2x16A+T
Dimensions 430x110x105 mm

ELECTRICAL BOARD 6 SOCKETS Art. 19515

Electrical board for yard protection IP65
4 sockets 220 V single phase CE 2x16A+T
2 sockets 380 V three phase 3x16A+T
Dimensions 245x380x235 mm



CABLE REELS SINGLE-PHASE FOR YARD Art. 19527

30 mt IP 67 marked CE with 2 sockets, power plug and thermal circuit breaker. Painted metal frame. Drum in shock-resistant polypropylene
Cable H07RN-F. Plug & Socket 2P +ground IP 65

CABLE REELS THREE-PHASE FOR YARD Art. 19529

30 mt IP 67 marked CE with 2 sockets, power plug and thermal circuit breaker. Painted metal frame. Drum in shock-resistant polypropylene
Cable H07RN-F. Plug & Socket 3P +ground IP 65

EXTENSION CORD SINGLE-PHASE Art. 19521

Extension cord 20 mt, 220 V single phase for yard marked CE with socket and plug. Cable H07RN-F 3x2.5 mmq. Socket/plug 2P+T IP 65



EXTENSION CORD Art. 19525

Extension cord 20 mt, 380 V three phase for yard marked CE with socket and plug. Cable H07RN-F 4x2.5 mmq. Socket/ plug 3P+T IP 67

RESTORATION YARD EQUIPMENTS



PROFESSIONAL HALOGEN LIGHT WITH TELESCOPIC TRIPOD

Art. 78115PROF

- Aluminium halogen light high thickness
- Tempered glass protected by metal grid
- Stable, protected from shock, adjustable
- Metal stand high thickness
- Maximum strength. Telescopic stand up to a maximum of 2 m
- Encumbrance closed 1.45 m
- Galvanized rod, powder-coated base.
- Base with 3 feet articulated
- Cable H07RN-F and waterproof plug CEE
- Complete with bulb 500 W
- Protection level IP 55
- Power Supply 220 V 50 Hz

Art. 78117 HALOGEN BULB 500 WATT SPARE

LED SPOT LIGHT FOR YARD IP65 WITH STAND

Resin projector body with ergonomic handle, 3 mt cable HO7RN-F type with schuko plug.

- IP54 LED floodlight (protected against dripping water). IP44 schuko socket with 3 mt cable in neoprene H07RN 3x1,5mm
- Power 220-240 V 50/60
- Dimensions (WXDXH): 300x115x340mm
- Weight: 3,6 Kg

Art. 78107/50 - LED lamp 50 W, 4000 ° K - 5000 Lm

Art. 78107/80 - LED lamp 80 W, 4000 ° K - 8000 Lm



Art. 78107/80

LAMP HOLDER WITH RESTORATION YARD

Art. 78110

Holder in aluminum spotlights for E 27 with articulated arm and clamp for fixing. 3.5 m cable with 16A plug and switch.

Art. 78111 spotlight safety net in accordance with safety

Art.78125/LED spotlight 150 w- 3300°K



Art. 78125/LED



Art. 78110

LAMP IP55 FLUORESCENT NATURAL LIGHT 6500°K

Light stable without vibration thanks to electronic ballast operation. Polypropylene body color black resistant to impact, even at low temperatures. Reflecting screen in polycarbonate, treated with a process of metallization of aluminum in high vacuum for maximum luminous efficiency. Cover highly transparent polycarbonate impact resistant and heat. Aluminum bracket for placement on the floor, wall and ceiling. Complete with cable 5 mt. Neoprene rubber H07RN-F and SCHU-KO Protection IP 55

Article	Dim.	Power	Weight
78101 /CEE65	482X304X112 mm	2X36 W	4 Kg.
78102 /CEE65	482X600X112 mm	4X36 W	6 Kg.



Art. 78101/CEE65

ACCESSORY: Art.78101 PROFESSIONAL STAND

YARD

RESTORATION YARD EQUIPMENTS



ALUMINIUM ALLOY SCAFFOLD

Art. 81121

Conforming to DPR164 - D.lgs 626/94 (on request conforming to norm HD1004).

Payload max 200 Kg (including 2 persons) Spans N° 6 of 1,2 mt. Overall dimensions: 1.60 x 0.80 m Working platform 140x60 cm. Working height 8.08 mt. Complete with swivel wheels ø 150 mm. N°4 stabilizer brackets (compulsory over 4 mt). Total weight 98 Kg.



SCAFFOLD IN GALVANIZED STEEL Art. 81111

Conforming to DPR164 - D.lgs 626/94

Galvanized steel FE360. It can be closed like a book for narrow passages. Payload max 150 Kg (including 1 person.) Working platform 160x70 cm. Height 5,12 mt. Complete with swivel wheels ø 100 mm N°4 stabilizer brackets



ALLUMINIUM TELESCOPIC LADDER Art.81213

Conforming to D.lgs 626/94 - EN131

Ribbed, telescopic, extruded aluminium ladder suitable for wall and easel, with a broad base. Tool holder in nylon. Knurled non-slip rungs. Hinges fast positioning. N. rugs:8 Payload kg 150. Height from m 1.96 (easel) to m 4. 10 (wall).



PLATFORM ALUMINIUM Art. 81231

Stool in ribbed extruded aluminum for professional use. Robust and lockable with hinges and automatic safety lock, it is equipped with non-slip phenolic coated wooden decking and weatherproof.

Article	Ride height	Working height	Decking size	Weight Kg.
81231	30 m.	2,30 m.	100x30 cm.	6,6
81231	52 m.	2,60 m.	130x30 cm.	9,8
81231	87 m.	2,90 m.	130x45 cm.	13,4



FALL PROTECTION FOR PLATFORMS

Art. 81323

Tubular aluminum to be mounted to the side of the legs as fall protection. For platforms aluminium 52 and 87 cm. height.

YARD

BIRDS DISSUADERS



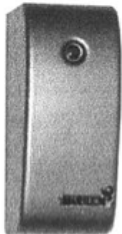
BIRD DISSUADER NEEDLES CURLY SHAPE
Art. 35057R 100 cm



BIRD DISSUADER NEEDLES
Art. 35058 100 cm



BIRD DISSUADER MULTI NEEDLES
Art. 35057M 100 cm



**CENTRAL FLASH
POWER UNIT**
Art. 35059



ELECTRIC DISSUADER
Art. 35060

CENTRAL FLASH - POWER UNIT Art. 35059 distance max 200 mt.

ELECTRIC DISSUADER

Art. 35060. Double conductor made of stainless steel AISI 316 \varnothing 2 mm and support transparent Plexiglas, anti-static and anti-shock

ANTI BIRD NET Art. 35062. Soft polymeric fibers of high tenacity weather resistant and UV ray. Not flammable. Absence of electrostatic charges.

BIRD DISSUADER - PIGEON CONTROL

The birds, especially the pigeons, with their guano constitute a permanent threat to buildings and monuments often causing irreversible damage. The corrosive action of the guano is accelerated by the onset of micro-organisms, by the action of the nails of the pigeons themselves that just scratches the surface of materials, produces rapid and irreversible damage to the artistic and architectural heritage with macroscopic alterations of stone surfaces. The systems of dissuader birds must be effective, aesthetically invisible, long-lasting and must not be attacked by smog and chemical elements, easy to install and harmless to the birds themselves. The bollards mechanical and electrostatic guarantee these properties and are among the most used systems.

MECHANICAL BIRD DISSUADERS

The bird dissuader with needles are composed primarily of numerous metallic elements fixed on a flexible band. The metallic elements, with one or two arms, of stainless steel does not undergo alteration due to climatic factors or chemical wash away and not therefore in any way on the surfaces. These metallic elements can be removed when cleaning work on the facade of the building. Also, being very flexible, prevent the birds without hurting them, and return after the stress in their original position, discouraging further attempts. According to the different localization needs (decorations, frames, windows, etc.) And after a careful assessment of the behavior of the birds (tagging points, walking, nesting, etc.) It is possible in each case, choose the right combination of bands and metallic elements. There are many possibilities, but in practice is the depth of the frames that often determines the most suitable type. The main purpose is to prevent, especially in places most frequented by pigeons, any possibility of glide and supportive even when compared to repeated attempts. The installation is done using special neutral silicones that guarantee a perfect adhesion to the support and easy removal in case of need without leaving stains and not altering the surfaces. Before installing, you need to mechanically remove dust and deposits of guano, brush and degrease.

Base: Stainless steel AISI 304 DC with heat treatment resistant to intergranular corrosion. Pins: Stainless steel AISI302 stearate ST SG \varnothing 1.2 mm. Height 100 mm. A standard SGB 200.1041A.

NEUTRAL ADHESIVE SILICONE Art. 35061

ELECTROSTATIC BIRD DISSUADER

The electrostatic bird dissuader are based on electrostatic high-voltage electrical pulses rapid but low current (0.30 joules) operating in current at 12 volts. To obtain the high voltage required is adopted an oscillator circuit which, via a transformer provides the charging of a capacitor. Every 3 - 5 seconds the capacitor is connected to the output electrodes 10 μ sec; thus any conductor body - volatile - which come in contact with the electrodes receives an electrical pulse of short duration and not dangerous current in the case of very low amperage. The power of the system can be supplied by a photovoltaic generator to solar energy and continuity of operation even in the night hours is ensured by a series of accumulators located within the control unit. The electrodes conductors are composed of two bands of stainless steel assembled on supports insulators Plexiglas in which the current passes. At one end of the bars are fixed in special stainless steel screw clamps that allow you to connect all the bands. The devices are compliance to CE rule.

YARD

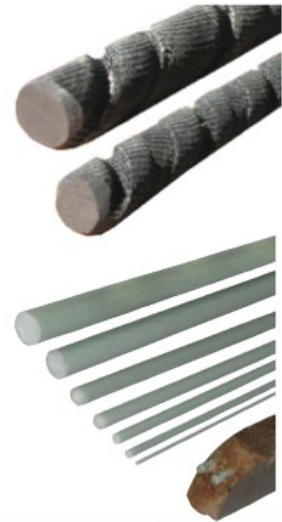
BARS AND FABRICS FOR REINFORCEMENT

CARBON FIBER BARS HIGH BONDING SURFACE

Carbon fiber round bar di sezione alto Grip.

Their main features are: high tensile strength ;a high resistance to corrosion; superior adhesion to the substrate through a two-stage innovative mark features on the entire surface of a lined product and a helical choke.

Article	39241/7.5	39241/9.5	39241/12
Nominal diameter	7.5 mm	9.5 mm	12 mm
Nominal section guaranteed	44 mm ²	70.8 mm ²	113 mm ²
Average tensile strength MPA	2300	2300	2300
Average tensile modulus of elasticity GPa	130	130	180
Ultimate load KN	100	180	260
Average ultimate deformation	1.8%	1.8%	1.8%
Linear weight g.	75	130	195



FIBERGLASS BARS + HIGH BONDING SURFACE

Resin polyester/section	Circular	Test method
Specific weight	Kg/dm	1.9
Glass content by weight	% of weight	65 - 70
Tensile strenght	MPa	900 UNI 5819 - ASTM D 638
Flexural strenght	MPa	900 UNI 7219 - ASTM D 790
Compressive strenght	Mpa	300 UNI 4279 - ASTM D 695

SMOOTH SURFACE

Article	39213	39217	39218	39221	39222	39224	39226	39228	39230
Ø mm	3	6	8	10	12	14	16	18	20

Length 200 cm

THREADED STAINLESS STEEL BARS AISI 304 - TITANIUM BARS on demand

Article	39173	39174	39175	39176	39178	39180	39182	39184	39186
Ø mm	3	4	5	6	8	10	12	14	16

FIBERGLASS BARS HIGH BONDING SURFACE Art. 39232

Fiberglass bars covered in quartz

Articolo	39232/16	39232/20	39232/25	39232/30	39232/32
Ø mm	16	20	25	30	32



Art. 39232

CARBON FIBER LAMINATE

Bars made of carbon fiber impregnated with vinyl ester resin. Bobbin 50 mt. ø 110 cm

Art. 39243/5012	50X1,2 mm
Art. 39243/5014	50X1,4 mm



Art. 39243/5012

CARBON FIBER FABRIC

Unidirectional high strength carbon fiber, weight 300 g/m² high tenacity elastic module E=240 GPa,

Art. 39252	width tape 20 cm.
Art. 39252/50	width tape 50 cm.

Art. 39252



APPLICATION RINFORCE VAULT

EPOXY PRIMER FOR CARBON FIBER Art. 21911

Epoxy resin and hardener low viscosity and high penetration capacity for the preparation of the bottom; available in 1.5 kg packages
Kit A + B 1,5 - 6 Kg

EPOXY IMPREGNATING RESIN FOR CARBON FIBER Art. 21913

Thixotropic epoxy resin and hardener for impregnating fabrics; available in 1.5 kg packages
Kit A + B 1,5 - 6 Kg

PERSONAL PROTECTIONS



MASK MANDIL FFP1

Art. 91123

Respirator for solid and liquid aerosols according to class 1, Homologation EN 149:2009



MASK 9310

harmful dusts

Art. 91514

Protects against harmful dust and fumes (FFP1) that can cause pulmonary

disorders such as silicosis, black lung and siderosis. In particular against coal dust, silica, cotton, iron ore, graphite, kaolin, zinc, aluminum. CE-approved to EN 149.



Cappuccio in tyvek a tre fori con visiera abbinato a semimaschera 6000

TYVEK CAP Art. 91266

TYVEK CAP WITH TRASPARENT VISOR

Art. 91271 at 2 holes for half-mask 1 filter

Art. 91272 at 3 holes for half-mask 2 filters



ELMET EL 4 Art. 91275

Helmet in polyethylene washable and igienic. Weight: gr. 361. Strap on request.

Conforming to normative BS 5240, UNI 7154N-SD.



FULL FACE HELMET WITH OPENING VISOR Art. 91605

Full face helmet in ABS, lightweight (850 gr 2100 gr + battery pack and turbine, A2P3 filters 350 g / cd), and easily wearable, with a functional flap that protects the visor opening in case of accidental falls. The filtration system includes two filters A2P3 against dust, gases and organic vapors. The air, by means of a silent turbine powered rechargeable battery, enters behind the helmet in the visor preventing fogging. Supplied with A2P3 filters 2, power supply with batteries (6V - 6AH) and special charger. Approved CE.

FILTRO A2P3 Art. 91606 Spare filters for dusts, gases and organic vapors. (EN 141:90 -146:91)

FILTRO P3 Art. 91607 Filter for harmful dusts (EN 143:90 -146:91)

PREFILTRO Art. 91608 Prefilter with nut for filter P3 .

MASK 6000 S Art. 91507

Full-face mask in silicone rubber with excellent safety, functionality and comfort. To ensure optimal donning is available in three sizes (6700 small-6800 medium-6900 large). The mask uses the system with a double filter cartridge with a bayonet coupling system filters. They can be used for dust filters 5900 series, filters for gases and vapors 6000 series and combinations of the two. Screen protectors are available. CE-approved to EN 136 class 1.



SEMIMASK 6000

Art. 91501

The semimask series 6000 offers a comfortable and effective protection against dust and organic vapors. To ensure optimal donning is available in three sizes (6100 small-6200 medium-6300 large). The mask uses the system with a double filter cartridge with a bayonet coupling system filters. They can be used for dust filters 5900 series, filters for gases and vapors 6000 series and combinations of the two. CE-approved to EN 140.



FILTERS FOR MASKS SERIE 6000 AND 6000S

Article	Item	Class	Protections
91505	6051	A1	Dust and organic vapors
91506	6054	K1	Ammonia
91504	6059	ABEK1	Inorganic - organic vapors acid gases - ammonia
91512	2125	P2	Filter by connection fine dust

MASK CAP FOR SANDBLASTING

Art. 16319 Equipped with special filter glass and interchangeable. front Art. 16319 FILT Spare filter



PERSONAL PROTECTIONS

PROTECTIVE GOGGLES Art. 91244

Frame made of transparent PVC with siphons ventilation. Colorless and anti-fog lens in acetate. **Conforming to normative EN 166.**



SAFETY GOGGLES IN POLYCARBONATE Art. 91245

Safety goggles in resistant polycarbonate, a extremely wide view and total protection. Lightweight and versatile they can be used alone or over prescription glasses. **Conforming to normative UNI-EN 166F.**



TYVEK PROTECTIVE CLOTHING Art. 91260

Made with Pro-Tech fabric antistatic 3rd category, Sealed against dust and splashing liquids. Available sizes: small, medium, large, extralarge.



OVERALLS 100% COTTON Art. 91721

Available sizes from 44 to 56, colour white.

COTTON WHITE COAT MAN/WAOMAN Art. 91761

100% cotton. Available sizes from 44 to 56.

FIRST AID KIT

Cases in impact-resistant polypropylene with handles, internal separators, partitions and support for wall application.

CONTAIN MEDICAL PRESIDIA RECOMMENDED BY D.M. 388 del 15/07/2003

Art. 91550 for workplaces until 2 employees. (All. 2Base)

Art. 91552 for workplaces with more than 2 employees. (All. 1Base) sphygmomanometer with a blower.



SAFETY ANTI DOWNFALL BODY HARNESS Art. 91051

Safety harness with dorsal attachment of galvanized steel. Made with polyester tape width of 45 mm. Adjustable thigh engaging with buckles. Rings with anti-corrosion treatment. Weight 1013 grams. Clip line connecting the chest. Conforming to normative UNI-EN 361.



ABSORPTION COLLISION DISPOSITIVE Art. 91055

Connected to harness allows to dampen the shocks due to a possible fall. Conforming to normative UNI EN 362.2

EYES WASH SYSTEMS Art. 91559

Portable eyewash consisting of: hand shower and eye / body protection (DIN 12 899-UNI9608) with soft rubber eyecups and dust cap. Aerated water flow controlled by a lever catch. Tube 1.5m. Stainless steel drum capacity 18 liters rechargeable through a special plug-in, with 15 liters of water pressurized to 6 bar. Pressure gauge and control valve overload.

Art. 91554

Art. 91055

Art. 91557

EMERGENCY EYE WASH STATION Art. 91554

Contains the need for an effective first emergency eye wash: 2 vials of 500 ml saline. 2 ocular showers. 1 mirror for wall. Weight: 1.5Kg Dim.: 410x320x75mm.

Art. 91051

Art. 91559

Art. 91555

EYES WASH FLOOR MODEL Art. 91557

Equipped with strong galvanized steel frame, brass fittings, base and aluminum pedals. Anticorrosive epoxy paint. ABS tray. Eyewash cup with soft rubber eyecup, with dust cap, aerated spray and regulated by integrated device (norma DIN EN 246). Double command, manual and pedal. Dimensions 1130 x 228 x 242 mm.

GLASS VISOR

Art. 91247 Lightweight and unique design. Adjustment over the eyelash to 7 positions

Art. 91249 High impact bullet shape polycarbonate face shield- 2-1,2 1 BT CE.



FIRST AID KIT FOR EYES WASHING Art. 91555

Portable suitcase containing everything you need for an effective first emergency eye wash fountain and subsequent dressing. 1 vials eye washing NILO 1, a sterile solution of 500 ml. SOL004 1 ocular cup per SOL004 2 sterile ocular tablets 2 bags sterile gauze cm. 18x40 1 pair of scissors lister cm. 14.5 1 roll of plaster application TNT m. 5x1.25 cm. 1 packet of handkerchiefs 1 mirror, instructions for use. Weight: 1 Kg. Dimensions: 259x205x87.5 mm.

PERSONAL PROTECTIONS



SURGICAL LATEX GLOVES

Art. 91421

Disposable latex gloves for reduced weight and thickness that allow excellent agility and hand feeling. Ambidextrous gloves are available in three sizes (small-medium-large) and packed in dispenser box of 100 pieces.

ANTIACID ANTISOLVENT GLOVE Art. 91313

Reusable natural rubber latex (thicker) gloves. Good mechanical and chemical resistance. Better insulation from hot or cold sources.

Resistant to: detergents, cleaning agents (also concentrated), and moderately aggressive products such as acids, ketones, diluted caustics.

Size: S (6-6.5) M (7-7.5) L (8-8.5) XL (9-9.5).

MULTI-PURPOSE NITRILE GLOVE Art. 91317

Reusable synthetic glove made from acrylonitrile and butadiene polymer. Extended protection beyond the wrist and overlapping to the sleeve. Excellent multi-purpose chemical resistance. Good flexibility.

Resistant to: hydrocarbons, oils, greases, organic and inorganic acids, alkalis, aliphatic solvents, ethers, alcohols, esters and freon (TF).

Size: M (7) L (8) XL (9) XXL (10).

ELASTICATED GLOVES WITH A PALM COATING OF POLYURETHANE Art. 91333

Elastic gloves with palm coated in polyurethane, the latex wrists permits a perfect adherence. Great sensitivity and softness. Size: S/M/L/XL.

WORK GLOVES ALL LEATHER SIZE

Art. 91332 Calfskin grain glove with elastic, edged wrist squeezing inner cuff on the back of the hand. Size: 8/9/10/11

LOW SAFETY FOOTWEAR Art. 91763

In black/brown flower leather with easy on/off, with toe and anti-hole midsole in stainless steel, non slip sole in by-density polyurethane. Energy absorption in the heel. Equipped with steel foil antipunctured. Size: 37-47. **Normative CE EN 345 S3.**

HIGH SAFETY FOOTWEAR Art. 91762

Features such as low footwear Art. 91763. Size: 37-47. **Normative CE EN 345 S3.**



NITRILE GLOVES Art. 91431

Disposable nitrile gloves for reduced weight and thickness with good resistance to solvents. Ambidextrous gloves are available in three sizes (small-medium-large) and packed in dispenser box of 100 pieces.



FINGER GRIP GLOVES

Art. B597PEL

Special gloves white nylon stretch with fingertips and made from polyurethane slightly rough surface. Are used for the gentle handling and safe of works of art during the cleaning operations, restoration, arrangement of objects of different material such as glass, ceramics, wood, textiles, etc. Useful for any type of paper document, protect the pages of books from skin oils and fingerprints. Each glove is ambidextrous and available in sizes Small, Medium, Large and Extra Large.



COTTON GLOVES Art. 91338

White cotton gloves for handling photographs, delicate objects or used as a liner. Weight 19 gr. Size: Small, Medium, Large, Extra Large.



RESTORATION MORTARS - BINDERS



MALTA INTO PLUS/NEW Art. 31045

HIGH FLUIDITY INJECTION MORTAR FOR THE CONSOLIDATION OF FRESCOS, PLASTER, FILLERS, MOSAICS.

Product particularly suitable for consolidation by injections of plaster, ceramic or stone linings, detachments of painted surfaces, filling large cavities. The material is suitable to perform restoration of ancient buildings not registering any incompatibility with the materials used in the ancient walls, also strongly dehydrated. The mortar INTO PLUS/100 is a compound made of fine pure hydrated lime (baked at 900 ° C), free of soluble salts, of selected inert carbonate and micronized, and a particular combination of specific additives, such as agents of injectability.

Water necess. to the mixture, at 25 ° C: 65% PP
Time of use of grout at 25 ° C: 40' Pack size: 15 kg.

6001 - INJECTION MORTAR Art. 31051

FOR THE CONSOLIDATION OF FRESCOS, PLASTER, FILLERS, MOSAICS.

Application: Product particularly suitable for consolidation by injections of plaster, ceramic or stone linings, detachments of painted surfaces, filling large cavities.

Size: from 05 to 15 Kg.

6002-INJECTION MORTAR LOW SPECIFIC WEIGHT Art. 31053

FOR THE CONSOLIDATION OF FRESCOS, PLASTER, FILLERS, MOSAICS.

Application: glueing and reconstruction of original integrity, through injections, of parts of plaster decoese, friable, very detached from the support, even in the case of considerable cavity(3-4 cm.). Particularly suitable for consolidating vaults with frescoes and mosaics. Pack size: 10 Kg.

6003 - STRUCTURAL INJECTION MORTAR

Art. 31055 Size: from 05 to 15 Kg.

COCCIOPESTO PLASTER

Art. 31117 Fine sack from 25 Kg

Art. 31118 BIG sack from 30 Kg

Mortar for plastering and enticement consists of a mixture of natural white hydraulic lime, obtained from the low-temperature calcination of limestone and siliceous clay ground dehydrated.

FINE MORTAR* Art. 31011

Pre-packaged mortar ready to use, in paste,

composed exclusively of: seasoned slaked lime, cooked in wood-burning ovens and vertical and sand of calcareous tufa. Suitable for plaster skim low thickness, max 2 mm

Size pack: 25 Kg.

"GROSSA" MORTAR* Art. 31013

Pre-packaged mortar ready to use, in paste, composed exclusively of: seasoned slaked lime, cooked in wood-burning ovens and vertical and sand of calcareous tufa and limestone quarry. Suitable for plasters, curl, for applications up to 1 cm at a time. Size pack: 25 Kg.

WHITE MORTAR* Art. 31015

Pre-packaged mortar ready to use, in paste, composed exclusively of: seasoned slaked lime, cooked in wood-burning ovens and vertical and sand and limestone quarry white and crystalline. Suitable for plaster skim or tonachino with thicknesses up to 1.5 mm. Size pack: 25 Kg.

***Line of natural products in respect of ancient traditions, free from chemical additives and resins, designed for the restoration of art works of interest Historical-Artistic and for Green Building**

SAIL PLASTER Art. 31031

Pre-mixed mortar suitable for sails with very low thickness, highly breathable, good grip. On the basis of: mono-and dicalcium silicate, aggregates with controlled particle size, wetting agents and adhesion promoters. Useful for a quick shave on rough plaster or partially degraded. Size pack: 25 Kg buckets

BINDER 6030 Art. 31070

Hydraulic binder composite field between III and V of the ternary diagram ligands with high contents of CaO and low metal content, such as SiO₂, Fe₂O₃, and others. Finely homogenised, treated so as not to undergo shrinkage in the plastic and fluid phases, has a high capacity to unite the inert support originate compact forms which are contained mechanical strength. It appears therefore likely to be a constituent of mortars strive for the restoration of masonry and crumbling damaged by time. Not creates salt efflorescence. The mortar prepared with this binder will be characterized by a low heat of hydration and a higher initial setting time.

Size pack: 15 Kg buckets

PRIMAL E-330S Art. 21151

ADDITIVE FOR RESTORATION MORTARS

Aqueous dispersion of an acrylic polymer specifically designed to improve the dough-based mortars for restoration. Gives these a faster hardening the surface, an improvement in the physical and chemical characteristics (hardness, toughness, durability, resistance to chemicals, abrasion, tensile, compression, flexural, impact and effects frost), as well as to increase the adhesion to concrete, brick, wood, metals and other materials. **Specifications:** Non-volatile residue: 47 ± 0.5%. Specific weight of r.n.v.: 1.059. Appearance: milky white liquid. Size pack: 1 - 30 Kg

ALLUMINIUM POWDER Art. 51734

ALUMINIUM POWDER FOR MORTAR Pack.1 Kg

INERT MATERIALS - LIME

COCCIOPESTO Art. 31119

The cocchiopesto consists in crock ground dehydrated, obtained by the crushing of clay baked at a low temperature (bricks and tiles of coverage). Package: sack da 25 Kg. Available granulometries: 0 - 1 mm ; 0 - 2 mm ; 2 - 5 mm 5 - 10 mm. On request is available yellow cocchiopesto.

AMORPHOUS CALCIUM CARBONATE

"Type impalpable" Art. 52786

Pack size: buckets of 01 - 05 Kg and bucket of 25 Kg

POWDERED PUMICE 000 Art. 18051

Powder extracted from eruptive rocks..

Granulometry from 90 to 150 micron.

Pack size: buckets of 01 - 25 Kg

POZZOLANA Art. 31121

Volcanic rock formed from lava and volcanic ash cemented for atmospheric agents, who attacked the silicate inside, to give rise to an acid product, which contains silica (SiO₂) in the form reactive, that is capable to react with the calcium oxide (CaO) to give rise to amorphous silicates. Used in the preparation of pozzolanic mortars mixed with water and hydrated lime. Pack size: sack of 30 Kg.

MARBLE POWDERS

Carrara White, Zandobbio White, Verona Red, Coral Pink, Black Ebony, Mori Yellow Conf. 2,5 Kg - 25 Kg

Art. 31207 grinding powder (0/0.7 mm)

Art. 31208 grinding 000 (0.7/1,2 mm)

TUFINA Art. 31251

Microcrystalline limestone with more than 98% of calcium carbonate from the crushing of sedimentary rocks belonging to the group of sandstone, of the typical color of the tuff. Granulometry 0 ÷ 2 mm. Bucket of 20 Kg

LIMESTONE DI VINCI Art. 31257

Extracted from a limestone rock, bright colour, almost white. Granulometry 0 ÷ 2 mm. Pack. 25 Kg.

YELLOW SILICA SAND

Quarry silica sand in a nice warm ochre color silica > 93% and free from carbonates.

Art. 31225 Fine, granulometry 0,1 ÷ 0,6 mm.

Art. 31227 Medium, granulometry 0.2 ÷ 1.0 mm.

Sacks of 25-27 Kg.

NATURAL SAND

Natural silica sand with granules of different colors but, overall, a nice warm sand color, reminiscent of the aggregates of other times, ideal for the production of lime-based mortars and plasters for entrapment. Bucket of 25 Kg

Art. 31235 Fine, granulometry 0 ÷ 2 mm.

Art. 31237 Large, granulometry 0 ÷ 4 mm.

FILLITE® Art. 18125

Hollow glass microspheres used as inert filler which allow to lighten mortar and resins.

Pack size. 20 Kg.

WHITE LIME LAFARGE Art. 31111

White lime Lafarge is a natural hydraulic white lime. Compressive strength: 7 gg - 30 bars/28 gg -

60 bars. Mass appearing volume: 650 Kg/m³. Sack of 35 Kg.

LIME ST. ASTIER NHL 3,5 Art. 31113 NATURAL HYDRAULIC WHITE LIME.

Limes with excellent water vapor permeability, absence of soluble salts and other harmful components. It contains no additives. Suitable for all jobs with stones or bricks, even partially damaged, consolidating operations and injection castings, plaster and moldings. Density gr/litro: 600/650. dicalcium silicate % (hydraulicity): 25. Free lime %: 20-25. White index: 72. Pack size: sack of 25 Kg.

LIME ST. ASTIER NHL 2 Art. 31112

Lime for paints, milk of lime and plaster purposes. High content of free lime. Pack size: 25 Kg

LIME CREAM WELL AGED 3 YEARS Art. 31115

Wood cooken in vertical furnaces natural draft with lateral firebox ash-free 99% calcium carbonate and matured in open air pit. Pack size: Kg. 21

LIME PUTTY 24 MONTHS Art. 31131

Aerial binder paste for the preparation of masonry mortars, bedding, plasters and finishes ecological, natural and breathable. The mortars made from slaked lime are suitable for all masonry and porous highly absorbent, where it must be ensured maximum chemical compatibility (no harmful reactions with support) mechanics (elasticity, understood as the ability to deform without breaking, in order to accommodate the movements of the support) and physical (minimal thermal expansion, high porosity and permeability, high ability to adhere to the substrate). In particular are perfectly indicated on walls of historical buildings which, for the materials from which they are constitute, need transpire and are characterized by continuous movements differential settling. This lime is seasoned in sedimentation tanks in the open air and thoroughly loser, according to traditional methods, for a minimum of 24 months. It's a slaked lime, limestone from which it is obtained is very pure and crystalline, consisting of approximately 98% of CaCO₃ with modest traces of magnesium, silica and other minerals. The lime used for this type of process comes from wood-fired vertical furnaces. The very particular type of limestone, together with the type of cooking, never higher than 900/1000 ° C, ensure a calcination slow and gradual. Suitable for the packing of mortar and plaster.

Bucket of Kg 21.

NATURAL HYDRAULIC LIME type ROMANA

Art. 31080 It is used

for mortars and

plasters in the historical centers, monuments, rehabilitation and the building in general. Hazel color. It is obtained by burning limestone marl layers in vertical furnaces with a slow process at temperatures below 1100 ° C in order to obtain a porous lime and reactive. The limestone is cooked is partially hydrated and then milled without addition of cement, clincker and of any type of additive. Pack: sack of 25 Kg.



RESINS AND ACRYLIC EMULSIONS

ACrylic33 Art. 21111

Aqueous dispersion of pure acrylic resin with excellent alkali resistance and weather resistance. Aqueous dispersion of pure acrylic resin with excellent resistance to alkali and weather.

Typical applications: as a fixative and aggregating surface for interior plasters and frescos; as an additive for mortars sealing to improve adhesion and elasticity; as an additive in the production of gypsum products to prevent superficial chalking and to improve the mechanical strength; as a binder for natural pigments and synthetic powder; as adhesive for paper documents velinatura, etc.

Characteristics: Solid content 46+/-0.5% - specific weight at 20°: 1.07Kl/lt - aspect white milky liquid - Ph: 9 ca. - Viscosity: 3500 mPA.S. ca.

Film proprieties: strong resistance to yellowing - good transparency - good resistance to UV - permanent flexibility and elasticity

Emulsion proprieties: Excellent stability to frost/thaw - Great compatibility with charges and pigments - Very good resistance to soluble salts including bivalent salts - Good mechanical stability - Very thin dispersion - Good pH stability. Pack size : 1 - 10 - 30 Kg.



PRIMAL WS-24 Art.21157

Aqueous dispersion of an acrylic polymer very fine molecule called "microemulsion", (in reference to the acrylic traditional type EX PRIMAL AC-33). This peculiarity facilitates its penetration into the stone materials both natural and synthetic (frescoes, plaster, etc.). Good binding power for pigments and fillers in general. Pack size : 1 Kg.

Characteristics: acrylic polymer. Status/colour: white/traslucent milky liquid. Solid content 36%. Specific weight at 20°C: 1.04 Kg/lt. pH: 7 . Volatile component: 99.4 water/0.6 ammonia. Glass transition temperature: 46° C. Minimum Film Formation Temperature: <10° C

Acrylic E-411 Art. 21161

Aqueous dispersion of pure acrylic resin used as adhesive in union Plextol B 500 in the preparation of pre-glued film for paper restoration. Pack size: 1 - 10 - 30 Kg.

PRIMAL E-330S ADDITIVE FOR RESTORATION MORTARS Art. 21151

Aqueous dispersion of pure acrylic polymer specifically studied to improve the mixes based mortars for restoration. Pack size: 1 - 30 Kg.

**ROHM
AND
HAAS** 



PARALOID

Article	Type	Monomer	Specifications
21211 Pack size:	B 44	methyl methacrylate 700 gr. - 5	Hardness, brightness and adhesion to various substrates, specifically metals. Soluble in ketones, esters, aromatic and chlorinated hydrocarbons. Partly soluble in alcohols and alifatici hydrocarbons.
21221 Pack size :	B 66	methyl-butyl methacrylate 700 gr. - 5 Kg.	Excellent adhesion, flexibility and toughness, quick air drying in the film. Soluble in toluene, xylene.
21231 Pack size:	B 67	isobutyl methacrylate 700 gr. - 5 Kg.	It forms a lightly harder than B 72. Used in mixture with other resins to increase the surface hardness. Compatible with resins alkyd, medium and long oil. Soluble in white spirit, toluene, xylen, ecc.
21241 Pack size :	B 72	ethyl methacrylate 700 gr. - 5 - 20 Kg.	Resin of general use, excellent flexibility and transparency. Soluble in ketones, esters, aromatic and chlorinated hydro-carbons. Miscible with ethanol, with which it forms a milky solution, the film that is the film that is formed, however, is completely transparent.
21258 Pack size :	B 82	methyl methacrylate 700 gr. - 5 Kg.	Properties similar to B 72 with the diversity of being soluble in certain mixtures of water and alcohol.

NOVOLEGNO Art.56430

Consolidating materials for wood and stone based Paraloid B72 in 10% solution in solvent at low harmfulness (Propylene-Glicometilico). Can be used directly on wood materials. For use on stone materials to dilute 2-4%. Pack size. 1. 5 lt.

CONSOLIDANTS - WATER REPELLENTS

CONSOLIDANTS

Are solutions of silicic acid ethyl esters in a solvent. Which are used for consolidating or preconsolidating stones, mortar, plaster, cooked, stucco, etc.

The product, a low viscosity and high penetrability, deposited in the pores of the material to consolidate it reacts with the moisture present in the support and with the air humidity giving rise to silica gel. The silica acts as an inorganic binder produced by consolidating the degraded materials. The pattern of molecules of silica that is generated within the pores increases the mechanical properties of the treated surface, it reduces the porosity without occluding the pores and without altering the appearance of the surface itself. The brands currently on the market are:

TRADE NAME	CONSOLIDANT OH 100	RHODORSIL RC 70	EUROSTAC SI 2121
Article	25551	25511	22211
Producer	Wacker-Chemie	Rhone-Poulenc	Stac
Density (1) a 25°C	1 g/cmc	0,9 g/cmc	0,90 cmc
Pack size	25 Kg.	5 - 25 Kg.	10 Kg.

Contrary to common ethyl silicates, these consolidants not need to be hydrolyzed with hydrochloric acid. All current technologies can be used to allow the capillary absorption of the product, ex. see-page lens with low pressure sprays, brushes and brushes, pad wraps or closed, vacuum impregnation, etc.

CONSOLIDANT ALBI700 Art. 25541 Keg 50 Kg. EXCELLENT QUALITY / PRICE RATIO

Consolidating for natural and synthetic stones made from silicic acid ethyl esters. Active matter: 70% +/- 2% - Content solvent: 30% +/- 2% - Density Kg/dm³ 0.96 circa - Solvent: iopropanol - Diluent: white spirit-anhydrous alcohol

RHODORSIL RC 80 - WATER - REPELLENT CONSOLIDANT Art. 25611

Consolidant added with water repellent based on siloxane. Pack size: 25 Kg.

WATER - REPELLENTS

Siloxanes, diluted in appropriate solvents, they penetrate very well into all absorbent construction materials, hydrolyzing with the action of moisture, crosslink in a polysiloxane non-sticky and permeable to gases. The properties of the polysiloxanes is to vary the surface tension of the media, thereby preventing the wettability; do not normally give variations in color and have an excellent resistance to UV rays. Should be applied by brush or spray (airless systems, etc.). Leaving the leach water-repellent, giving one or two hands.

Trade name	WACKER 290	WACKER SMK 1311	RHODORSIL H224
Article	25251	25252	25211
Producer	Wacker-Chemie	Wacker-Chemie	Rhone-Poulenc
Siloxane content	100%	100%	69%
Density	1,05 g/cmc	0.95 g/cmc	0.97 g/cmc
Aspect	from colourless to straw	from straw to reddish	rom colourless flightly yellow
Suggested dilution	1:15 parts/weight	1:9-14 parts/weight	1:10 in volume
Suggested solvent	Aliphatic hydrocarbons, aromatics, isopropylalcohol, alcohol	drinkable water	White spirit Non-aromatic or alcohol
Pack size	25 Kg.	25 Kg.	50 Kg.

WATER - REPELLENT 70 - WATER - REPELLENTE EASY TO USE Art. 25217

Product based on polysiloxane at 7% in white spirit solution. It gives an excellent water-repellent effect without clogging the capillaries of the treated materials. Can be applied on plaster, natural stone, concrete, brick, etc. Size pack: 5 - 45 Kg.

CYCLODODECANE Art. 53751 Conf. 500gr

NON-PERMANENT PROTECTIVE AND BONDING FOR DECOESE PIGMENTED SURFACE

Wax-like substance, water-repellent, belonging to the class of saturated hydrocarbons and cyclic, non-toxic, with the property to evaporate completely within a few days of application. It is used in the following operations:

- temporary sealing (you can protect portions of the fresco with azurite to proceed with the rest of the surface in a different way or on ceramics, you can protect portions of gold); temporary isolation from water; temporary anti-corrosion treatment; emergency protection for archaeological finds; protection and consolidation of frescoes, wooden surfaces, metal, stone.

SPRAY CYCLODODECANE Art.53752 400 ml.

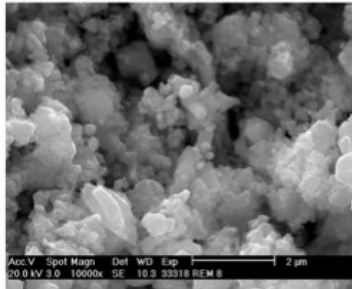
NANOSTRUCTURAL PRODUCTS

NANOCALCE CaLoSiL® IP5 Art. 25701

CaLoSiL® contains nano-particles of lime hydrate ($\text{Ca}(\text{OH})_2$) suspended in Iso-propopanol alcohols. Typical concentrations are 5 g/L. The average particle size is 150 nm. The extremely fine size of the synthetic nano-lime results from its preparation, which is based on chemical synthesis. Due to the low particle size stable sols are formed which do not sediment for a long time.

CaLoSiL® is a ready-to-use stone and plaster consolidant. Treatment of stone, mortar or plaster with CaLoSiL® results in the formation of solid calcium hydroxide after evaporation of the alcohol, that converts into calcium carbonate in a way similar to traditional lime mortars by reaction with atmospheric carbon dioxide. The alcohol evaporate without any residues so they do not harm the stone or plaster. Chemicals or residues deteriorating stone or mortar are not formed.

CaLoSiL® can be applied using either a flow coating procedure, by dipping, spraying or injection. It is important that the complete weathered zone of the stone down to the sound is treated.



JNIECTION MORTAR CaLoXil®

Injection mortar based on calcium carbonate and nano-particles of colloidal lime, recommended to consolidate frescoes, porous mortars, plasters and stone.

CaLoXil® injection mortar is based on thin fillers of calcium carbonate in combination with CaloSiL® nanocalce, which acts as a binder.

All components of the CaLoXil® injection mortar are characterized by particle sizes smaller than 4 μm . The injection mortar has a high degree of injectability and is able to fill small voids and cracks. The injection mortar is characterized by a good stability combined with high fluidity. After hardening, porous masses are formed with high capillarity.

All the formed masses are hydrophilic and are able to act as active capillary material. Another important property is the good cohesion to the components of historical mortars. The injection mortar is able to adhere to the individual parts of the historic mortar. Pre-treatment with CaLoSiL® E25 or other CaLoSiL® types improves the adhesion of the formed mass so that the surrounding surfaces also improve structural consolidation.

NANOSIL NS-30 Art. 25711

NANOSIL NS-30 is an aqueous dispersion of silicon dioxide size nanometer. Similarly to the consolidant based tetra-ethyl silicate with the evaporation of the aqueous part is the formation of silica gel. It uses diluting 1-2 parts distilled water. Application temperature of the surfaces to be treated between 5° C and 35° C. Do not apply below 5° C.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Aspetto: milky liquid
 Crystalline phase: amorphous
 Active material SiO_2 (%w/w): 30 ± 1
 Density g/cm^3 : $1,20 \pm 0,1$
 Viscosity at 25° C mPa/sec : $5,0 \pm 5$
 PH: $9,4 \pm 0,5$
 Particle size (nm): $<100,00$

Article	Name	Concentration	Solvent	Packaging
25701	Calosil IP5	5 gr./lt.	Isopropyl alcohol	1-10 lt
25702	Calosil E25	25 gr./lt.	Isopropyl alcohol	1-10 lt
25703	Calosil IP25	25 gr./lt.	Ethyl alcohol	1-10 lt



PROTECTIVES

FINISHING ETOSTAC SS 441 Art. 22205

FINISHING HARDENER K 44 (100:50 pp) Art. 22207

The Etostac SS 441 is great for the protection of all ferrous and stone substrates against attack by water (eg tanks), oils, aliphatic hydrocarbons, salt solutions, dilute acids and alkalis. Finishing without solvents based epoxy resin from bisphenol and cycloaliphatic amine adduct. The type of resin and hardener give the finish an excellent chemical resistance. Rapporto SS 441/K44 = 4/1 in weight. Specific weight : ca 1,50 kg/dmc. Pot life at 20°C 45 min. ca. Drying time at 20 °C: dry at the touch 12-16/ completely hardened 7-10 days. Viscosity: thixotropic. Pack size: 20 Kg + 10 Kg hardener.



UROSTAC ACRYLIC-SILICONE RESIN ACS 2001 Art. 22116

FINISHING ACRYLIC EUROSTAC AC 2002 Art. 22121 - THINNER AC 2004 Art. 22126

Acryl-silicone resin in organic solvents hardening physical drying. Non-yellowing and reversible. Impregnating agent and consolidation of porous materials and degraded such as mortars, cooked, natural stone, wood, etc. applies until rejection by brush, spraying, vacuum, etc. The low viscosity (25 ± 5 mPas at 25 ° C) allows good penetration of the resin in the materials to be treated. Good mechanical resistance, water repellency and resistance to weathering. Excellent resistance to yellowing due to UV exposure. With the diluent AC 2004 easily removes resin ACS 2001. As the surface of sacrifice is suitable resin AC 2002, acrylic resin based paint, matt and satin. Pack size: 1 - 5 - 15 Kg .

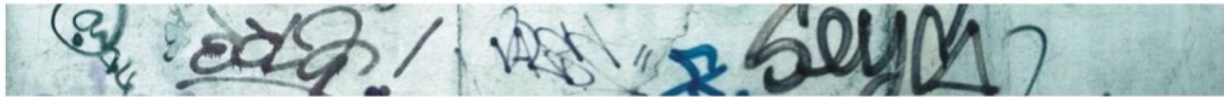


MICROCRYSTALLINE WAX IN SOLUTION Art. 53542

Product ready to use at 25% of ragia minerale. Pack size 1 lt.

Mixture of aliphatic saturated medium-high molecular weight. the name " Microcrystalline" comes looking typical of the fracture and is indicative of a quality white petroleum waxes particularly hard, high melting point. Main uses: having good chemical stability and sunlight, good water repellency and high melting point is used in place of beeswax as a protective compact materials, especially marble and metals (bronze). It is used as protective coatings for wood and mat medium for varnish based on PARALOID, ketone resin, and other resins. Applied by brush or pad.

Physical and chemical properties: chemical name: Microcrystalline Wax at 25% of white spirit - appearance: paste - colour - ASTM D 1500: 0+(White) - odour: typical - drop poin (ASTM D 938): 88°C - penetration at 25°C (ASTM D 1321):8 dmm - penetration at 43,4°C (ASTM D 1321):32 dmm - solubility in water: insoluble



OPAQUE FINISH ACRYLIC EUROSTAC AC 2002 Art. 22121

Acrylic painting matt and satin whose liquid-solid transition occurs by physical drying by evaporation of the solvent phase. Non-yellowing and reversible.

CEROGRAF ANTIGRAFFITI WATER EMULSION Art. 22232 Pack size 1 - 5 - 25 lt

Water emulsion based on microcrystalline waxes is specifically designed for the protection of all those stone materials, both natural and synthetic, of historical and artistic interest from spray paints and paint.

PRO-STONE Art. 57257

Anti-graffiti (fluorinated acrylic copolymer) in an aqueous base, with water and oil repellent action, intended to protect the supports from attacks caused by water penetration, frost, from 'pollution and paint (graffiti, spray paint, markers, etc. .). Penetrating into the support by capillary action, prevents pollutants from entering all 'inside of the treated materials also reduces the formation of micro-organisms (mosses, lichens, etc..). The protection is porous, and therefore leaves "breathe" support. Colorless, non-toxic, does not alter the color characteristics of the treated surface. The product has been subjected to a comparative trial by ICR (Central Institute for Restoration) and 'ICCROM (International Center for the Study of the Preservation and Restoration of Cultural Property) successfully. PRO-STONE is totally reversible by using products with very low pH (3-4) or very high (12-13) or organic solvents. Pack size: 5 e 25. lt.

AMMONIUM OXALATE Art. 51994

A saturated solution of ammonium oxalate generates a protective layer, thin but homogeneous, calcium oxalate also insoluble in acid environment, breathable and transparent color. The reaction takes place through the transformation of calcium carbonate into calcium oxalate surface. In case gypsum is present, the reagent also exerts an effective action desolfatante. Pack size 1 Kg.

RESINS STAC



STAC - SPECIALIST FOR OVER 30 YEARS IN RESINS FOR RESTORATION

HARDENER - CONSOLIDANT EUROSTAC EP 2101 Art. 22131

HARDENER K 2102 Art. 22136 (100:20 pp)
- THINNER EP 2103 Art. 22141

Cycloaliphatic epoxy dissolved in organic solvents. It polymerises at room temperature and does not yellow. Suitable for impregnating and strengthening porous and degraded materials (stones, wood, brickwork, plaster etc). Low viscosity with respect to a high percentage of dry residue. Light hydrophily of a non-hardened system which allows penetration even into materials not completely dry. Possibility of polymerisation starting at 12- 15 °C. Superior mechanical characteristics and chemical resistance. Excellent resistance to yellowing caused by UV rays. UV. Pack size: 1 - 5 - 15 Kg + hardener.

LIQUID EPOXY RESIN EUROSTAC EP - IN 2501 Art. 22146

HARDENER K 2502 (slow) (100:25 pp) Art. 22151 - INDURENTE K 2503 (fast) (100:30 pp) Art. 22152

LIQUID EPOXY RESIN EUROSTAC EP-IN 2501

Liquid epoxy with low viscosity, solvent-free with adjustable reactivity. It polymerises at room temperature and in rooms subjected to great humidity. Suitable for restoring concrete, wood, stone, damaged brickwork structures by filling cracks or anchoring steel or fibreglass nails. Low viscosity allows penetration even into very thin cracks. Superior mechanical characteristics and adhesion ensures that the original smoothness of the cracked areas is restored. Pack size: 1 - 5 - 15 Kg + hardener

RESIN FOR CASTS SP 150/9 Art. 22201

HARDENER SP 150/9 (100:26 pp) Art. 22203

Liquid cycloaliphatic epoxy resin with hardener based on a cycloaliphatic polyamine. Resin specially designed for the realization of casts by exposing outdoors, due to its exceptional light stability. Easily loaded with common aggregates (calcium carbonate, quartz sand, earth and mineral pigments, etc.). enables you to imitate natural stones . Size pack 12.5 Kg + hardener.

EPOXY TIXOTROPIC ETOBOND 6066 Art. 22156

HARDENER K 6067 (100:20 pp) Art. 22161

Two-pack structural adhesive based on liquid epoxy, solvent-free. It polymerises starting from 0°C. Suitable for structural bonding of concrete, stone, marble, glass and metals. Apply with a spatula or brush with hard bristle. Doughy and thixotropic, not tacky. It allows easy spreading in thin, or thick and even vertical layers avoiding dripping. Superior adhesive properties even on barely wet supports. Excellent mechanical characteristics, high glass transition temperature and resistance to water.

Pack side: 1 - 5 - 15 Kg + hardener.

RESIN FIBERGLASS / CARBON BECOR SX26 Art. 22177

HARDENER SX 26M (100:30 pp) Art. 22182

Epoxy system without solvents with low viscosity for the manufacture of articles reinforced with fibers of glass, carbon and aramid. Can be used for layering hand. Ideal for joining panels alveolar type ALVEOLAM: Low viscosity that allows easy workability and excellent wetting of the fiber. Non-sticky surface with high transparency. Pack size: 5 - 15 Kg + hardener.

Resin Catalyst	EP2101 K 2102	EP-IN 2501 K 2502	EP-IN 2501 K 2503	ET 6066 K 6067	SX26M BEC. SX26	SP 150/9 SP 150/9
Aspect	transp. liq.	transp. liq.	transp. liq.	tixo white	transp. liq.	liquid
Viscosity	10 mPas	200 mPas	450 mPas	tixo	600 mPas	250 mPas
Workability	24 h	45'	9'	20-25'	20-40'	4-5h
Flexion Resis.	75 N/mmq	92 N/mmq	100 N/mmq	45 N/mmq	90 N/mmq	80 N/mmq
Traction Res.	45 N/mmq	92 N/mmq	100 N/mmq	40 N/mmq	60 N/mmq	60 N/mmq
Compress	85 N/mmq	68 N/mmq	76 N/mmq	105 N/mmq	100 N/mmq	100 N/mmq



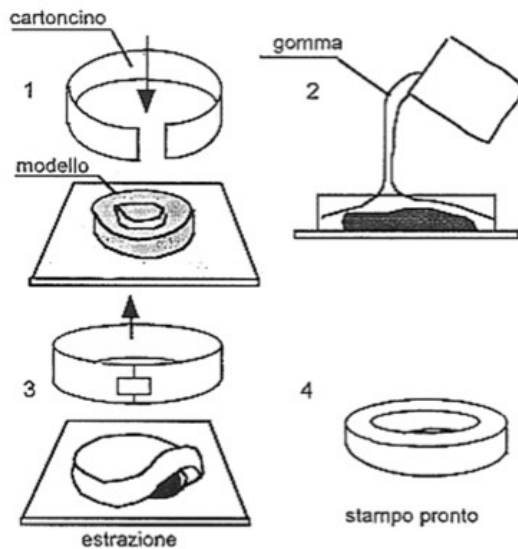
SYLICONIC RUBBERS FOR CASTS

SYLICONIC RUBBERS RTV FOR CASTS.

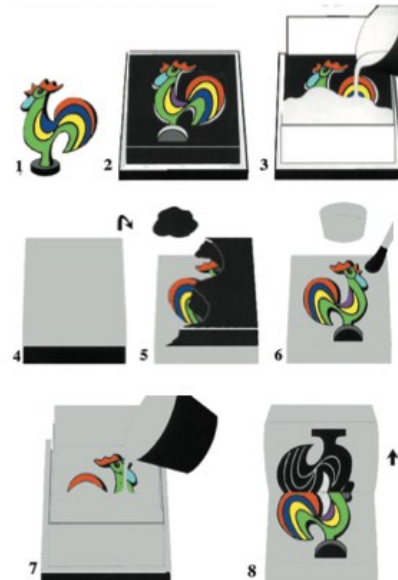
Silicone rubbers are casting, spreading and mouldable masses, crosslinking in cured elastics by adding hardeners. During curing phase they do not free any reacting product. In addition, they do not shrink. It is recommended to operate at 22-24°C and at 50% of UR. At humidity and temperatures higher workability times are reduced. It is advisable to start using the molds after 24 hours of standing at room temperature. It is advisable to wait 7 days for a full development of the mechanical properties. Clean and degrease the model and possibly protect it with release agent (microcrystalline waxes, polyvinyl alcohol, TWEEN 20, ecc.).

How to use rubbers pourable: mixing the rubber with the catalyst, stirring slowly with a spatula and apply within the working times on the model to reproduce, it is recommended to use small quantities (200-300 g) for each application in order to effect mixing with good safety margins without risking a premature polymerization of the product that would make it unusable. For the perfect homogenization of two-component can be used manual or mechanical systems. It is strongly recommended to eliminate formation of air bubbles in a vacuum bell, allowing the mixture to expand completely and then to shrink. After 1-2 minutes vacuum treatment, you will have to check the mixture, it can be used only if it is completely free of bubbles. If not available, a vacuum system, can be avoided by mixing small quantities and spreading with a brush on the original 1-2 mm product letting any bubbles come out alone, apply the next layer when the first has begun to cure.

How to use spatulable and modulable rubbers: applied by brush or spatula or two coats of a pourable product (possibly made TIXO), this is needed just to achieve maximum detail definition to play. Before this layer reaches the complete polymerization, proceed to the application of catalyzed rubber to impart thickness and sealing to the mold; usually reach thicknesses from 15 to 30 mm. Following the polymerization, we proceed to the construction of the counter mould in plaster or fiberglass.



**SIMPLE MOULD IN OPEN AIR
FOR BIDIMENSIONAL OBJECTS**



**SHELL MOULD
FOR TRIDIMENSIONAL OBJECTS**

POURABLE RUBBER

RTV577 Art. 42151

Pack size: 1-5-20 Kg.

Hardness: 18° Shore A

Elongation at Break : 650%

De-mould time: <24 hours

CATALYST 577 Art. 42161

pack size 50 -250-1000 gr

BRUSHING RUBBER

The pourable rubber 577, in case of application on vertical surfaces (max 1 cm approx.), is made spreadable by the addition of an appropriate thixotropic agent which increases the density.

TIXOTROPIC AGENT FOR RTV577

Art. 42165 Pack size 30-150-1000 gr

MOULDBLE RUBBER RTV880

Art. 42155

Pack size: 1 and 5 Kg.

Hardness: 18° Shore A

Elongation at Break : 600%

De-mould time: <24 hours

CATALYST 880 FOR RTV 880

Art. 42167 Pack size. 100 gr.

50 gr for 1 Kg of rubber

Kind of rubber	Rubber RTV	Catalyst	%	Thickener	%	Workability min.
POURABLE	577 Art. 42151	Art. 42161	5			60'
SPATULABLE	577 Art. 42151	Art. 42161	5	42165 tixo	3	60'
MOULABLE	880 Art. 42155	Art. 42167	5			15

MATERIALS FOR CASTS AND REPRODUCTIONS



MATERIALS FOR CASTS

REVULTEX MR - PRE VULCANIZED LATEX RUBBER

Art. 56139 Pack size 1 - 5 Kg.

Pre-vulcanised and stabilized latex rubber with ammonia used for masking (removable surface protection), for the preparation of casts and dies, and in the scene. It can be colored with pigment dispersions in paste, it is recommended not to exceed 5% by weight.

LAMINATED WAX Art. 42651

dim. 9 x 18 cm thickness 1.5 mm

MATERIALS FOR REPRODUCTION

JESMONITE

Liquid-based aqueous acrylic resins.

Powder made from special charges reactive.

Suitable for pouring, loaded with aggregates up to 100%.

Weatherproof, fire resistant M1 certified.

Art. 31175 1+2 **JESMONITE KIT A+B** Pack size 1+2 Kg.

Art. 31175 5+10 **JESMONITE KIT A+B** Pack size 5 +10 Kg.

SUPER-GYPS CHALK Art. 31155

White chalk high compressive strength (300 kg / sq cm).

Fast setting (5minutes). Very low expansion (0.2%).

Pack size: 1-5-25 kg

RESIN CRISTAL EP Art. 22521 Pack size 1Kg + 450 gr.

Colorless transparent epoxy resin for casting mass up to 80 mm. thickness.



EPOXY RESIN EP-IN 2501

Art. 22146

Pack size 1 Kg (+ind. 250g); 5 Kg

(+ind. 1.25 Kg); 15 Kg (+ind. 3.75 Kg)

- **HARDENER K 2502 (slow)** Art. 22151

- **HARDENER K 2503 (fast)** Art. 22152

RESIN SP 150/9 FOR OUTSIDE

Art. 22201 Pack size 12.5Kg

Liquid cycloaliphatic epoxy resin designed for the realization of casts by exposing outdoors. Easily loaded with common aggregates.

HARDENER SP 150/9 Art. 22203

Pack size 3.250 Kg



FOIL LEAD Art. 42653

in roll height 100 cm - thickness 0.5 mm

HENK OF HEMP Art. 42697

Fiber 100% flax mechanically combed

Packaging 1 Kg (4 250 g braids)

SILICON SPRAY RELEASE AGENT

Art. 42625 Spray 500 ml.

PLASTICINE Art. 42601 Slab of 1 Kg.

GREY CLAY Art. 42605 Slab of 20 Kg.

PONGO WHITE Art. 42604 Slab of 500 gr.



COPIE DELLE STELE LUNIGIANESI "PIEVE DISORANO" E "QUARTARECCIA"
REALIZZATE CON JESMONITE DESTINATE AL MUSEO DIDATTICO DI
FILATTERIA



PROTECTIVES FOR METALS



St. Peter statue of Trajan's Column
Rome

SOTER

PROTECTIVES FOR BRONZE

In order to preserve from corrosion artistic, historical and archeological workpieces, which are stored in closed or exposed-to-atmosphere environments, products are needed, capable of inhibiting corrosive phenomena and being at the same time reversible and therefore easy to remove without damaging or altering the treated objects. A line of preservatives with these particular characteristics has been created, for protecting copper, bronze, brass and all copper alloy workpieces, with the trademark "SOTER". This product is now used from years with success. Some of the more interesting applications are:

St. Peter statue of Trajan's Column - Rome

Bronze door of the Zen Chapel of St. Mark's Basilica - Venice

Statue of Madonna Kostanz - Germany

The Soter line includes 4 different products, with the same basic composition, conferring different finishes to the treated surface.

For the development of the SOTER line we made use of the collaboration of Prof. Massimo Leoni (University Lecturer at the Polytechnic of Milan), Dott. Bianco Bianchini (Chemical Consultant for Baraldi Company which actually manufactures the product) and Prof. Giorgio Bonaga (Gas Chromatography and Mass Spectrophotometry at the University of Bologna).

Article	Product	Film appearance	Pack size
41113	SOTER 201/LC	Light gloss (transp.)	400 gr.
41115	SOTER 202/LS	Dark gloss	400 gr.
41117	SOTER 501/OC	Light matt (transp.)	400 gr.
41119	SOTER 502/OS	Dark matt	400 gr.
41121	THINNER FOR SOTER		500 ml.

Composition: crystalline natural waxes, organic polymers, ester and terpenoid solvents. Derivatives benzotriazole, passivating and inhibiting agents. Absent: benzol, toluene, xylol and aromatic amines.

Appearance: semi-fluid soft paste

Density: 0.75 (at 20°C)

Flash point: under 21°C

Reversibility: the product is easy to remove with the help of its specific solvent

Application: before applying the product with a brush or paint brush, the surface must be cleaned in order to get rid of dust, pollution, oxides, dirt and polluting elements. After some days a dry application is advisable using rags or cotton brushes in order to avoid unevenness or product build-up.

SOTER 100/FE - Protective for ferrous materials Art. 41123 Pack size of 500 ml.

THINNER FOR SOTER 100/FE Art. 41125 Pack size of 500 ml.

Consisting of polymers wax and anti-corrosion additives containing aliphatic solvents (mineral spirits-dearomatic).

Appearance: fluid at very low viscosity opalescent white

Flash point: 42° C + 2°C

film thickness 27 μ

Metric yield from 5 to 7 m²/lt

Drying time from 30' to 60'

INCRALAC Art. 56171 Pack size: 1 - 5 lt.

Protective colorless, transparent and based on paraloid and benzotriazole for copper and its alloys.

ZAPON VARNISH Art. 64907 Pack size: 1 lt.

Varnish for brass and bronze. Modified nitrocellulose with alkyd and urea resin and appropriate solvent.

FERSTAB - RUST CONVERTER Art. 54331 Pack size: 1 - 5 lt.

Iron protective based of chelating polymer. Stabilizes the products of oxidation of the iron in the form of a complex iron-tannic of colour black-opaque.

CONVERTOR Art. 54321 Pack size: 1 - 6 - 30 Kg.

Rust converter passivating acid-based. Also useful to remove rust stains.

ION EXCHANGE RESINS - EXTRACTING SALTS

PLASTER REMOVER (DULL)

Cleaners for the controlled plaster remover and limestone deposits of frescos, delicate stone materials, works of art and architectural details degraded. On painted surfaces will be necessary to intervene after appropriate analytic investigation. The resins are used in the wrap with demineralized water and cellulose fiber to a thickness of a few mm. The addition of cellulose fiber slows down the action of the ion exchange resins. The operation of ion exchange takes place in a wet environment, so you need to protect wraps from drying with plastic foil application time, and the mixing ratio with the cellulose fiber, must be experimentally obtained by application of wraps test, we recommend interspersed 5-10 minutes.

AMBER SH - strong cationic Art. 51755

Synthetic polymer containing cationic functional groups (hydrogen form) is able to exchange the hydrogen ions H^+ of the resin, with calcium ions Ca^{++} calcium carbonate, through the aqueous medium. Pack size 500 gr - 10 Kg.



SULFATES REMOVERS

Removal sulphates treatment - removal of calcium sulfate (gypsum) - can be performed on works of art and architectural details made of stone in general (plasters, murals, etc.) exposed to atmospheric degrading actions. On painted surfaces will be necessary intervening after appropriate analytic investigation.

AMBER SOH - anionic Art. 51757

Synthetic polymer containing anionic functional groups (hydroxyl form) capable of exchanging the OH-ions of the resin, with the SO_4 ions - calcium sulfate, through the aqueous medium. Pack 500gr - 10 Kg



CHEMICALS

ERMOLD® - EXTRACTING SALTS AND CLEANING UP FACADES AND HISTORICAL MONUMENTS

Art. 13161

ERMOLD it's of pulizia active for the treatment of superficial on facades, monuments, etc.

ERMOLD it's especially product for the extraction of knows them and soil elimination.

The treatment of superficial with ERMOLD it.s easy, effective and economic.

The materials deal to you with ERMOLD do not endure no type of aggression with the exception of other chemical treatments. ERMOLD® is composed of a mixture of sepiolite selected based on the degrees of absorbency and natural unbleached cellulose fibers.

Methodology of employment: to prepare one suspension of ERMOLD (1 Kg. + 3-4 lt deionized water) by means of mechanical or manual agitation, until forming one homogenous paste. To apply the paste of ERMOLD with spatula it or gun to spray on the surface to deal forming one layer of 1-2 cm of thickness (2-4 Kg/mq). To leave to dry the ERMOLD paste only it changes color. The malta, it continues and consisting, it comes easy removed with knows them and the absorbed dirt. Available in sacks of 10 Kg.

BIOCIDE - HERBICIDES - PRESERVERS

TIMOLO Art. 58611

Preservative of natural origin suitable for defense against biological attacks organic materials in showcases museum. Pack size 1 Kg.

NATURAL CAMPHOR Art. 52860

Repellent for organic artifacts. Preservatives of natural origin suitable for defense against biological attacks of organic materials in tees and museum displays.

GLYPHOSATE Art. 57011

Glyphosate is a broad-spectrum herbicide widely used in archeologic sites. With systemic action is the only molecule able to destroy the root weeds such as couch grass and bramble. To be applied at the time of maximum vegetative growth.

LICHENICIDE 464 Art. 56192

It contains active substances (IPBC) against fungi, algae and lichens. Especially against fungi brighteners. Used as a preventative against the formation of lichens on surfaces exposed to the weather, not being washed away by the rain. It is used in concentration to 1/2%.

ROCIMA® 103 Art.56259

Biocide is a highly concentrated liquid preparation of active substances, which are effective against fungi and algae. Specific for treatment and treatment of wall surfaces, wood, etc. Composition: Concentrated, stable blend of octylisothiazolone and quaternary ammonium compound. Pack size 1 lt - 20 Kg.



BENZALKONIUM CHLORIDE Art. 54371

Quaternary ammonium salts to devitalize algae, lichens and weeds that weave the wood and stone surfaces. Very energetic action but not protracted over time. Concentration 50%.

DES-NOVO Art. 54371

10% solution of benzalkonium chloride. It has a high detergent power (surfactant) and especially biocide. Thanks to the wide spectrum of action reduces mold, yeast, and has a good effect sporistatico. It is not aggressive towards the stone material, wood, etc.. The concentration for use in water can vary from 0.5 to 10%. Pack size 1 - 5 - 25 lt.

PREVENTOL RI50 Art. 57248

Dodecyl-dimethyl-diclorobenzil-ammoniocloruro. Colorless to slightly yellowish liquid. Biocide based on compounds of the quaternary ammonium salt with great power against bacteria, fungi, algae and lichens. Soluble in alcohols, ketones, chlorinated hydrocarbons. For generic disinfections use in aqueous solution at 3/5%. Density: 0,99. Content of active substances: 50%. pH of a 5% aqueous solution :6.7-7.5 Pack size 1 - 5 lt.

PRESERVER 43-S Art. 54252

4-chloro-3-methylphenol in crystals. Contains active ingredients (microbicides) against bacteria and fungi. Used to prevent the attacks of bacteria and fungi in any kind of organic glue: glues based on casein, gum arabic, animal gelatin, dextrin, cellulose glue. To be used in a concentration of 0.5%. Pack size 500 gr.

GLUE PRESERVER Art. 54253

Based Parametil sodium is an effective bactericide and is added in the preparation of organic-based glue. Soluble in cold water is used in a concentration of 1 to 2%. Pack size 100 gr.

**Products based permethrin insecticide and see wooden preservatives
For disinfection anoxic see Nitrex systems.**

CHEMICALS

POLYVINIL ACETATE Art. 51202

EX MOWILITH 50

PURE ACETONE Art. 51211

dimethyl ketone, 2-propanone, $(\text{CH}_3)_2\text{CO}$

ABIETIC ACID Art. 51283

 $\text{C}_{19}\text{H}_{29}\text{COOH}$

ACETIC ACID Art. 51281

 $\text{CH}_3\text{-COOH}$

BENZOIC ACID CRYSTALS Art. 51284

 $\text{C}_6\text{H}_5\text{COOH}$

ACIDO BORICO POLVERE Art. 51285

 H_3BO_3 . Conf. 01 Kg

CITRIC ACID Art. 51293

 $\text{C}(\text{OH})(\text{COOH})(\text{CH}_2\text{-COOH})_2\text{-H}_2\text{O}$

HYDROCHLORIC ACID Art. 51287

DEOXYCHOLIC ACID Art. 51289

 $\text{C}_{24}\text{H}_{40}\text{O}_4$

SULFURIC ACID Art. 51289

 H_2SO_4

OXALIC ACID Art. 51299

 $(\text{COOH})_2\text{-2H}_2\text{O}$

ACID PYROGALLOL Art. 51300

 $\text{CH}_6(\text{OH})_3$ 1,2,3

ACID POLYACRYLIC see Carbopol Ultrez 10

STEARIC ACID Art. 51331

 $\text{CH}_3(\text{CH}_2)_{16}\text{COOH}$

ETHER TANNIC ACID Art. 51335

 $\text{C}_{76}\text{H}_{52}\text{O}_{46}$

DEMINERALIZED WATER Art. 51411

LIME WATER Art. 51340

HYDROGEN PEROXIDE 130 Vol. (35%)

Art. 51421 H_2O_2

PURE AGAR IN POWDER Art. 51381

EGG ALBUMIN IN POWDER Art. 51541

BENZYL ALCOHOL Art. 51546

BENZYL ALCOHOL GELLED Art. 60231

ISOBUTYL ALCOHOL Art. 51640

 $\text{CH}_3\text{-(CH}_2)_3\text{-OH}$

DENATURATED ETHYL ALCOHOL 99,9°

Art. 51561/Pink Art. 51629/White $\text{C}_2\text{H}_5\text{OH}$

PURE ETHYL ALCOHOL 96°

Art. 51631

ISOBUTYL ALCOHOL Art. 51640

 $(\text{CH}_3)_2\text{CH-CH}_2\text{OH}$

ISOPROPYL DENATURATED ALCOHOL

Art. 51641

POLYVINIL ALCOHOL Art. 51711

 $\text{CH}_2\text{-CH}(\text{OH})\text{-CH}_2\text{-CH}(\text{OH})\text{-...}$

KALINITE (POTASSIUM ALUM) Art. 51731

 $(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

ALUMINIUM POWDER Art. 51734

AMBER SH Art. 51755

AMBER SOH Art. 51757

WHEAT STARCH "ZIN SHOFU" Art. 51765

RICE STARCH Art. 51761

 $(\text{C}_6\text{H}_{10}\text{O}_5)_n$

PURE AMYLACETATE Art. 51781

 $\text{CH}_3\text{-COO-C}_5\text{H}_{11}$

AMYLASE Art. 55095

COCCONUT AMINE - ETHOMEEN

ETHOMEEN C25 Art. 55341 ETHOMEEN C12 Art. 55344

CONCENTRATED AMMONIA Art. 51851

AMMONIUM OXALATE Art. 51995

AMMONIUM BICARBONATE Art. 51921

 NH_4HCO_3

AMMONIUM CARBONATE Art. 51991

 $\text{NH}_4\text{HCO}_3\text{-NH}_2\text{COONH}_4$

AMMONIUM CITRATE TRIBASIC Art. 51997

AMMONIUM CHLORIDE Art. 53871

 NH_4Cl

AMMONIUM OXALATE Art. 51994

AQUAZOL $\text{C}_5\text{H}_9\text{NO}$

Art. 51427 AQUAZOL 200 PM 200.000

Art. 51428 AQUAZOL 500 PM 500.000

ARALDITE 2020 KIT Art. 22350

ARALDITE AY 103 Art. 22333

Hardener HY 991 Art. 22353

ARALDITE AV 121 N Art. 22334

Hardener HY 951 Art. 22354

ARALDITE SV 427 Art. 22342

Hardener HV 427 Art. 22363

ARAMETAL Art. 22251

ARAMETAL POWDER CATALYST Art. 22255

ARBOCEL see cellulose pulp.

ATTAK SUPER Art. 52161

ATTAK GLASS Art. 52165

CHEMICALS

BALSAM CANADA Art. 52191

BALSAMO COPAIVE Art. 52251

BARIUM HYDROXIDE Art. 56161
Ba(OH)₂

BENZALKONIUM CHLORIDE Art. 55581

PETROLEUM BENZINE 100/140 Art. 52551

BENZOINO See Benzoe Sumatra Gum

BENZOTRIAZOLE Art. 52310
C₆H₄.NH.N.N.

POTASSIUM DICHROMATE Art. 52751
K₂Cr₂O₇.

BOVIN GALL POWDER Art. 52261

BITUMEN IN POWDER Art. 63011
BITUME JEWISH

BRIJ-35 Art. 52741

BUTYL ACETATE Art. 52651
CH₃ - COOCH₂ - CH₂ - CH₂ - CH₃

CALCIUM CARBONATE Art. 52781
CaCO₃

CALCIUM CARBONATE AMORPHOUS
Art. 52786

CALCIUM CHLORIDE Art. 52789
CaCl₂

CALCIUM HYDROXIDE Art. 52791
Ca(OH)₂

CALCIUM HYDROXIDE Art. 52793
Ca(ClO)₂

CALCIUM PROPIONATE Art. 52799
C₆H₁₀CaO₄

KAOLIN Art. 52861

NATURAL CAMPHOR Art. 52860

CARBOPOL ULTREZ 21 Art. 52876

CARBOXIMETHYL CELLULOSE - CMC Art. 52961

LACTIC CASEIN Art. 53171

CELLOSOLVE-ETHYLENE GLYCOL Art. 53721
C₂H₅O.CH₂.CH₂OH

CARNAUBA WAX YELLOW FLORES Art. 53501

YELLOW VIRGIN BEESWAX - DROPS Art. 53361

BLEACHED BEESWAX - DROPS Art. 53451

MICROCRYSTALLINE WAX Art. 53541

MICROCRYSTALLINE WAX - SOLUTION
Art. 53542

CYANOACRYLATE Art. 53741

CYCLODODECANE Art. 53751

CYCLODODECANE SPRAY Art. 53752

CICLOEXANE PURE Art. 53756
C₆H₁₂ †

CICLOEXANE DENATURED Art. 53755

CITROSOLV Art. 56671
ORANGE - D-LIMONENE - Terpene d'arancio

CHLOROFORM - Art. 53811
CHCl₃

RICE GLUE Art. 53897

FISH GLUE Art. 53891

STURGEON GLUE Art. 53893

RABBIT (LAPIN) SKIN GLUE Art. 53921

RABBIT (LAPIN) SKIN GLUE IN PLATES
Art. 53925

RABBIT (LAPIN) SKIN GLUE OPORTO Art. 53931

STRONG GLUE PERLA DI ZURIGO Art. 54191

VERY CLEAR COLOPHONY Art. 54221

PRESERVER 43 S Art. 54252

GLUE PRESERVER Art. 54253

CONTRAD 2000 Art. 54281

RUST CONVERTOR - FERSTAB
Art. 54331

CONVERTOR Art. 54321

CULMINAL MC 2000 Art. 54197

DES-NOVO Art. 54371
Benzalkonium Chloride

DEVCON EPOXY 5 MINUTES Art. 54381

DIACETONE ALCOHO Art. 54461
CH₃.CO.CH₂.C(CH₃)₂.OH

NITRO SOLVENT ANTI FOG Art. 54551

PURE DIMETHYLFORMAMIDE Art. 54641
DMF - H.CO.N(CH₃)₂.

DIMETHYLSULFOXIDE Art. 54661
C₂ H₆ O S

DIMETHYLSULFOXIDE GELLED Art. 60236

DOWANOL PM Art. 54691
Ether Propylene Glicometilico

CHEMICALS

ECOGRINT - Paint stripper ecological viscous
Art. 57835

EDTA DISODIUM SALT Art. 54911
Ethylenediaminetetra disodium salt
(CH₂N(CH₂COOH).CH₂COONa)₂.2H₂O

EDTA TETRASODIUM SALT Art. 54841
Ethylenediaminetetra tetrasodium salt
(CH₂N(CH₂COONa)₂).4H₂O

ENZYMES see Lipase - Protease

DENATURED ESANO
Art. 55151
C₆H₁₄ + CH₃ - CHCl - CH₂Cl

LAVENDER ESSENTIAL OIL Art. 55211

PETROLEUM ESSENTIAL OIL odourless
Art. 64845

ROSEMARY ESSENTIAL OIL Art. 55241

PETROLEUM ETHER, FOR ANALISYS Art. 55331

ETHYL ETHER Art. 55285
(C₂H₅)₂O

ETHYL CELLULOSE N300 Art. 55361

ETHYL LACTATE Art. 55381

ETHYL ACETATE Art. 55351
CH₃ - COOCH₂-CH₃.

ETHOMEEN C25 Art. 55341

ETHOMEEN C12 Art. 55345

EVACON-R Art. 55397
CONSERVATION ADHESIVE

PHENOLPHTHALEIN SOLUTION Art. 54327

OX GALL Art. 55441 Pack size 500 ml - 1 lt

FERSTAB Art. 54331
see rust convertor

ALABASTER GYPSUM Art. 55461

BOLOGNA GYPSUM Art. 55481
CaSO₄.1/2H₂O

SCAGLIOLA GYPSUM Art. 55487 Pack size 1 /25 Kg

GLISOLFATE Art. 55011

GLYCERINE Art. 55551
CH₂(OH).CHOH.CH₂OH A

SODIUM GLUCONATE Art. 55559
C₆H₁₁O₇.Na.

GLUTOLIN KLEISTER Art. 55563
Methylcellulose.

GLUTOFIX 600 Art. 55560
Methylcellulose.

GUM TRAGACANTH Art. 55699

GUM ARABIC, Art. 55721 Conf. 700 gr - 5 Kg

BENZOE GUM SUMATRA Art. 55726

MANILA COPAL GUM Art. 55731

DAMAR GUM Art. 55761

GELLAN GUM Art. 57171
see PHYTAGEL

ELEMI GUM MANILA Art. 55812

GUTTA GUM Art. 55851

SHELLAC ABTN GUM Art. 55881

DEWAXED SHELLAC GUM Art. 55955

XANTHAN GUM Art. 56145

SHELLAC GUM SOLVENT Art. 55960

MASTIC CHIOS GUM, Art. 56111

GUM LATEX PRE-VULCANIZEDd
see Revultex MR Art. 56139

GUM SANDARAC Art. 56143

GRINT PAINT REMOVER Art. 57831

INCRALAC Art. 56171

KLUCEL (Gellan Gum) Art. 56182

KLUCEL-G Art. 56184
Adhesive based on cellulose for papaer's restoration

KRATON G1650 Art. 56186
Additive for final varnishes paintings

LANOLIN Art. 56188

LAPONITE RD
Art. 56189

LAROPAL A81 Art. 57288

LICHENICIDE 264 Art. 56190
N,N-DIMETIL-N'-FENIL-N'-FLUORO-DICLOROMETILTIO-SULFAMIDE.

LIGROIN 100/140 CARLO ERBA Art. 60280

LIGROIN 80/120 CARLO ERBA Art. 60281

LIPASE ENZYME lyophilized Art. 55101

LITOPONE Art. 56205
BASO4 + ZNS.

MOLASSES OF SUGARCANE Art. 56252

METHYL ETHYL KETONE Art. 56271
MEK - BUTANONE C₂H₅.CO.CH₃

CHEMICALS

METHOCEL 300 Art. 60203

MICA POWDER MICRONIZED Art. 56311

MILLIPUT Art. 56255

MODOSTUC Art. 80663

MOWITAL B 60 HH Art. 56427

MUCINA Art. 55105

METHYLPYRROLIDONE Art. 56281

METHYLPYRROLIDONE GELLED Art. 60239

NIPAGINA

see glue conservers Art. 54253.

NOVOLEGNO Art. 56430

BOILED LINSEED OIL Art. 56531

NATURAL LINSEED OIL Art. 56533

STAND LINSEED OIL Art. 64848

BLEACHED LINSEED OIL Art. 56511

WALNUT OIL Art. 56582

POPPY OIL Art. 56583

BOVINE FOOT OIL Art. 56623

VASELINE OIL Art. 56541

STRAW OIL Art. 56611

RED OIL Art. 56613

ORANGE see CITROSOLV

PANTOX® 360 Art. 57011

PARAFFIN WAX - DROPS Art. 57051

PERCHLOROETHYLENE Art. 57031

PERMETHRINA Art. 59212
solution at 50%

PETROLEUM OIL Art. 57121

PHYTAGEL Art. 57171
GELLAN GUM

PYRIDINE Art. 57181
C₅H₅N.

POLIETILEN GLICOL
Art. 57195 p.m. 200
Art. 57196 p.m. 400
Art. 57197 p.m. 600
Art. 57198 p.m. 1500
Art. 57199 p.m. 4000

PLEXISOL P-550 Art. 57185 Conf. 1 kg

PLEXTOL B-500 Art. 57187

PLEXTOL D-360 Art. 57191

PLEXTOL D-498 Art. 57193

CELLULOSE PULP - ARBOCEL

Art. 57217 **SHORT FIBRE** 40

Art. 57215 **MEDIUM FIBRE** 200

Art. 57213 **LONG FIBRE** 1000

POLYFILLA INTERIOR Art. 80670

POLYFILLA EXTERIOR Art. 80677

POTASSIUM SULPHIDE Art. 57227

PREVENTOL RI 80 Art. 57247

Benzalkonium chloride

PROPYLENE CARBONATE Art. 57247

PROTEASI ENZYME freeze-dried Art. 55111

PROTECTOR KONZ see PERMETHRIN Art. 59211

WHITE SPIRIT aromatized Art. 57270

SOLVESSO 100 DENATURED

REGALREZ 1094 Art. 57272

REGALREZ 1126 Art. 57273

RESIN SOAP 1194® Art. 60285

RESIN SOAP 1295® Art. 60287

RESIN AKEMI Art. 57293

CATION AND ANION EXCHANGE RESIN
Art. 51751

STRONG ANIONIC EXCHANGE RESIN
see AMBER SOH Art. 51757

STRONG CATIONIC EXCHANGE RESIN
see AMBER SH Art. 51755

KETONE RESIN 80 Art. 57286

CRISTAL EP RESIN EP Art. 22521

HXTAL NYL-1 RESIN Art. 57307

REVULTEX MR Art. 56139
pre-vulcanized latex gum

ROCIMA 103 Art. 56259

SEIGNETTE SALT Art. 57431
KOOOC-CHOH-CHOH-COONa - Pack size 1 Kg

ARTIFICIAL SALIVA - HENZYMATIC Art. 57438

SYNTHETIC SALIVA
SOLUTION CITRATE triammonium Art. 57436

DRAGON'S BLOOD Art. 57491

CHEMICALS

SEPIOLITE Art. 13151

PURE SILICA Art. 57611

SiO₂

SODIUM BICARBONATE Art. 57721

NaHCO₃

SODIUM CARBONATE Art. 57811

SODA - Na₂CO₃

SODIUM GLUCONATE Art. 55559

CH₂(OH).(CH.OH)₄.COONa.

SODIUM HYDROXIDE Art. 57712

CAUSTIC SODA - NaOH

SODIUM NITRITE GPR Art. 57825

NaNO₂

EXTRA STRONG PAINT REMOVER Art. 57828

ECOLOGICAL PAINT REMOVERS

See GRINT and ECOGRINT

TALCUM POWDER Art. 58131

Mg₃(Si₂O₅)₂(OH)₂

TER-BUTILAMMINO BORANO 97%

Art. 58170 /..

Pack size 250 mg - 01 gr. C₆H₁₅P · BH₃.

TIMOLO Art. 58611

TINUVIN 292 Art. 58185

TURPENTINE OIL Art. 58451

C₁₀H₁₆

TURPENTINE OIL rectified Art. 64841

VENICE TURPENTINE Art. 58341

AMMONIUM CITRATE TRIBASIC Art. 51997

AMMONIUM CITRATE TRIBASIC solution

SYNTHETIC SALIVA Art. 57436

TRIETHANOLAMINE (TEA) Art. 58651

N(CH₂.CH₂OH)₃

TYLOSE MH 300P Art. 58843

TYLOSE MH 2000 Art. 58841

TRITON X-100 Art. 58350

TWEEN 20 Art. 58837

UHU EXTRA Art. 54205

Adhesive for glass, ceramics.

UHU HART Art. 54208

Fast adhesive for metals, wood, glass.

UHU KRAFT Art. 54207

Universal fast adhesive.

UHU PLUS Art. 54201

Two-parts epoxy adhesive.

UHU 5 min EPOXY Art. 54202

Rapid epoxy bonding agent.

UREA - DROPS Art. 58877

CARBAMMIDE H₂N-CO-NH₂.

VINAVIL 59 Art. 58943

It is an adhesive particularly suitable for wood, paper, cloth and porous materials.

VINAVIL BLU NPC Art. 58945

It is an adhesive particularly suitable for wood, paper, board, cork, filler.

VINNAPAS CEF 10 Art. 21191

Ethylene vinyl acetate and vinyl chloride thermo-polymer.

WHITE SPIRIT DEAROMATIZED D40 Art. 58953

ODOURLESS WHITE SPIRIT Art. 64845

WOODPLASTER 427 Art. 22511

XIREIN Art. 59215

Wooden preservative against wood-warm.

CHEMICALS

CHEMICALS

Periodic Table of the Elements

1 1IA 11A H Hydrogen 1.0079	2 IIA 2A Li Lithium 6.941	3 IIIB 3B Be Beryllium 9.01218	4 IVB 4B Na Sodium 22.989768	5 VB 5B Mg Magnesium 24.305	6 VIB 6B K Potassium 39.0983	7 VIIB 7B Ca Calcium 40.078	8 VIII 8 Sc Scandium 44.95591	9 VIII 9 Ti Titanium 47.88	10 VIII 10 V Vanadium 50.9415	11 IB 1B Cr Chromium 51.9961	12 IIB 2B Mn Manganese 54.938	13 IIIB 3B Fe Iron 55.847	14 IVB 4B Co Cobalt 58.9332	15 VB 5B Ni Nickel 58.9334	16 VIB 6B Cu Copper 63.546	17 VIIB 7B Zn Zinc 65.39	18 VIIIA 8A Ga Gallium 69.723	19 IIIB 3B Ge Germanium 72.64	20 IVB 4B As Arsenic 74.92159	21 VB 5B Se Selenium 78.96	22 VIB 6B Br Bromine 79.904	23 VIIB 7B Kr Krypton 83.80	24 VIIIB 8B Rb Rubidium 85.4678	25 VIIIB 8B Sr Strontium 87.62	26 VIIIB 8B Y Yttrium 88.90585	27 VIIIB 8B Zr Zirconium 91.224	28 VIIIB 8B Nb Niobium 92.90638	29 VIIIB 8B Mo Molybdenum 95.94	30 VIIIB 8B Tc Technetium 98.9062	31 VIIIB 8B Ru Ruthenium 101.07	32 VIIIB 8B Rh Rhodium 102.9055	33 VIIIB 8B Pd Palladium 106.42	34 VIIIB 8B Ag Silver 107.8682	35 VIIIB 8B Cd Cadmium 112.411	36 VIIIB 8B In Indium 114.818	37 VIIIB 8B Sn Tin 118.71	38 VIIIB 8B Pb Lead 207.2	39 VIIIB 8B Tl Thallium 204.3833	40 VIIIB 8B Po Polonium [209]	41 VIIIB 8B Bi Bismuth 208.98037	42 VIIIB 8B At Astatine [209]	43 VIIIB 8B Rn Radon [222]	44 VIIIB 8B Fr Francium [223]	45 VIIIB 8B Ra Radium [226]	46 VIIIB 8B Ac Actinium [227]	47 VIIIB 8B La Lanthanum 138.9055	48 VIIIB 8B Ce Cerium 140.115	49 VIIIB 8B Pr Praseodymium 140.90765	50 VIIIB 8B Nd Neodymium 144.24	51 VIIIB 8B Pm Promethium [145]	52 VIIIB 8B Sm Samarium 150.36	53 VIIIB 8B Eu Europium 151.9655	54 VIIIB 8B Gd Gadolinium 157.25	55 VIIIB 8B Tb Terbium 158.92534	56 VIIIB 8B Dy Dysprosium 162.50	57 VIIIB 8B Ho Holmium 164.93032	58 VIIIB 8B Er Erbium 167.26	59 VIIIB 8B Tm Thulium 168.93421	60 VIIIB 8B Lu Lutetium 174.967	61 VIIIB 8B La Lanthanum 138.9055	62 VIIIB 8B Ce Cerium 140.115	63 VIIIB 8B Pr Praseodymium 140.90765	64 VIIIB 8B Nd Neodymium 144.24	65 VIIIB 8B Pm Promethium [145]	66 VIIIB 8B Sm Samarium 150.36	67 VIIIB 8B Eu Europium 151.9655	68 VIIIB 8B Gd Gadolinium 157.25	69 VIIIB 8B Tb Terbium 158.92534	70 VIIIB 8B Dy Dysprosium 162.50	71 VIIIB 8B Ho Holmium 164.93032	72 VIIIB 8B Er Erbium 167.26	73 VIIIB 8B Tm Thulium 168.93421	74 VIIIB 8B Lu Lutetium 174.967	75 VIIIB 8B Ac Actinium [227]	76 VIIIB 8B Th Thorium 232.0381	77 VIIIB 8B Pa Protactinium 231.03688	78 VIIIB 8B U Uranium 238.02891	79 VIIIB 8B Np Neptunium 237.04817	80 VIIIB 8B Pu Plutonium 244.0642	81 VIIIB 8B Am Americium 243.06114	82 VIIIB 8B Cm Curium 247.0703	83 VIIIB 8B Bk Berkelium 247.0703	84 VIIIB 8B Cf Californium 251.0794	85 VIIIB 8B Es Einsteinium [254]	86 VIIIB 8B Fm Fermium 257.0851	87 VIIIB 8B Md Mendelevium 258.1	88 VIIIB 8B No Nobelium 259.1009	89 VIIIB 8B Lr Lawrencium [262]
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- Alkali Metal
- Alkaline Earth
- Transition Metal
- Basic Metal
- Semimetals
- Nonmetals
- Halogens
- Noble Gas
- Lanthanides
- Actinides

ENZYMES - SURFACTANTS

ENZYMES IN RESTORATION

The enzymes used in the restoration are essentially two: the proteases and lipases. The proteases are able to separate protein molecules, usually acting "breaking" the complex chains that make up a protein, reducing them into smaller fragments and water-soluble. The "lipase" are able to dissolve fats (or lipids), catalyzing the hydrolysis of triglycerides, the basic components of the oils (eg linseed oil). The high substrate specificity is perhaps the most characteristic that responds to issues related to the restoration of paintings: an enzyme that acts, in a certain reaction, on a particular substrate, and is not capable of catalyzing any chemical reaction, it can not turn a different substance from the substrate, and this allows then to be able to act safely in cleaning and avoid damaging the parts of the painting are not affected by alterations. The other feature, exclusive of enzymes, is the high catalytic efficiency: few enzymatic molecules are able to act on the amount of substrate much larger than those from any other transformable substance, without losing its effectiveness. Finally, it must also consider the benefit to the operators, who may use substances do not emit toxic or irritating, as an alternative to the traditional and often dangerous solvents. Because of their special enzymes can therefore replace very well the action of other detergents in cleaning treatments of the paintings.

AMYLASE ENZYME freeze-dried Art.55097

The Amylase is an enzyme capable of splitting the bonds of oligosaccharides and polysaccharides into simpler compounds, disaccharides. It is used to remove starch glues, glue pasta, vegetable gums, and in general flours and starches. Pack size: 250 gr.

LIPASE ENZYME STABILIZED Art. 55101

The lipase hydrolyzes the fatty substances present in the organic compounds and is effective for the removal of drying oils, waxes and synthetic resins. Pack size: 250 gr.

PROTEASI - ENZYME STABILIZED Art. 55111

The protease hydrolyzes the proteins present in organic compounds and is effective for the removal of stains due to animal gelatin and glue, albumin, casein and egg. Pack size: 250 gr.

ALBERTINA KOMPRESSE A Art.K051/2030-3040

Compressed enzyme (amylase) to remove residual starch based glues. Available in kits of 20x30 cm. or 30x40 cm.

ARTIFICIAL SALIVA - HENZYMATIC Art. 57438

Artificial saliva is an aqueous solution with characteristics detergent and emulsifying. Pack size 250 ml

SYNTHETIC SALIVA SOLUTION AMMONIUM CITRATE TRIBASIC Art. 57436

It allows a very delicate cleaning on the paintings. Pack size 250 ml - 1 lt

RESIN SOAP DCA-TEA (1194) Art. 60285

Pack size 100 ml. Resin soap based DCA-TEA in greater polarity for cleaning subsidiary of the paint layer.

RESIN SOAP ABA-TEA (1295) Art. 60287 Pack size 100 ml. Resin soap based DCA-TEA in moderate polarity for cleaning subsidiary of the paint layer.

AMMONIUM CITRATE TRIBASIC Art. 51997

Product chelator used in aqueous solution as a detergent to clean surfaces such as oil paintings, etc... Pack size 100 gr



PAINTINGS

TRIETHANOLAMINE (TEA) Art. 58651

$N(CH_2.CH_2OH)_3$ Base used for the salification of fatty acids in the preparation of Resin Soaps. Pack size 1 lt.

TRIS BASE Art. 60297 Pack size 100 gr

TRIS HYDROCHLORID Art. 60299 Pack of 100 gr. Buffers or biological buffers used in maintaining constant pH in the preparations for cleaning subsidiary of polychrome surfaces.

BOVIN GALL POWDER Art. 52261 Pack size 01 Kg Anionic surfactant derived from bile and used in aqueous solution as an additive for water-based paints for its wetting properties.

ETHOMEEN C25 (coconut amine) Art. 55341 Pack size 1 lt

Tertiary amine coconut primary amine base. INCI Name: PEG-2 - PEG 15 Cocamine. Used in the restoration as a detergent.

ETHOMEEN C12 (coconut amine) Art. 55345 Pack size 850 gr

THICKENER - SURFACTANTS - SOLVENT GEL

Tertiary amine coconut primary amine base. INCI Name: PEG-2 - PEG 15 Cocamine. Used in the restoration as a detergent.

ACID POLYACRYLIC CARBOPOL ULTREZ 21 Art. 52876

Arylic thickener.

A polymer of the Polyacrylic Acid with high molecular weight for the preparation of Solvent Gels. Can thicken water and organic solvents.

PURE AGAR IN POWDER Art. 51381

Agar-agar has a high content of mucilage (65%) and carrageenan (jelly-like substance, known as alginate pharmacopoeia). The alga from which we get the agar-agar in Japanese is called tengusa and cell walls rich in starches and complex polysaccharides similar to cellulose. Is used as a thickener and in the preparation of rigid gel. Pack of 100 g - 1 kg

THICKENING AGENT METHOCEL 300 Art. 60203

The thickener Methocel 300 is an ester of cellulose (hydroxypropyl methyl cellulose) used as inert supporting the direct gelling of pure solvents or their mixtures with water. The utilization percentage is from 6% to 10% depending on the case. The use of gelled solvents allows to obtain a more controlled and selective on the layer to be removed, in addition to a lower volatility of the solvents themselves, and greater safety for the operator. E 'soluble in methanol, ethanol and methylene chloride. Pack size 500 ml.

XANTHAN GUM Art. 55145

Gelling and thickening agent.

The xanthan gum is a high molecular weight polysaccharide obtained by fermentation in pure culture of a carbonate hydrate with natural strains of *Xanthomonas campestris*, purified by extraction with ethanol or propan-2-ol, dried and ground.

GLUТОFIX 600 Art. 55.560

Methylcellulose in powder. Adhesive for paper and tissue. Thixotropic Thickener. Yellow box

LAPONITE RD - (thickening agent) Art. 56189

Laponite RD is synthetic colloidal clay which gives highly purified suspension properties and viscosity of the various types of formulations. Dispersed in 2% aqueous gel form highly thixotropic, heat stable and clear. Laponite RD is dispersed easily without mixing equipment. Pack size 1-5 kg

TYLOSE MH 300P Art. 58843

Medium viscosity thickener for aqueous solutions used as a bonding agent for cellulose papers. Methylhydroxyethylcellulose soluble. Pack 500 gr.

TYLOSE MH 2000 Art. 58841

High viscosity thickener for aqueous solutions used as a bonding agent for cellulose papers. Methylhydroxyethylcellulose soluble. Pack 500 gr.

SILICA PURE Art. 57611

PURE SILICON DIOXIDE - SiO₂

White powder, amorphous. Size of the primary particles 5-30 nm. The features are: thickening effect, thixotropic, antisepting, for reinforcing elastomers, improving the effect of scrolling of the dust, absorbing effect. Pack size 500 gr - 10 Kg

KLUCEL G Art. 56184

HYDROXY-PROPYL METHYL CELLULOSE for the creation of supporting enzymes or gelification solvents. Acts as a surfactant, lowering the surface tension of the water or organic solvent, by increasing the wetting power of the solution and decreasing the power of penetrating into a porous body or the ability of the capillary. Thickening properties: changes the viscosity of solutions, emulsions and aqueous and organic dispersions. Form elastic thermoplastic films, not sticky, not very sensitive to moisture. This property is used in the restoration of paper materials such as glue and adhesive, but also as a hardener. Soluble in water and in polar organic solvents. Pack 500 gr.

WAX EMULSION

Art. 64861 - 64863

Pack size 300-720 ml

The wax emulsion of the line RestaurArte, joined to the normal solvents, allows the softening and removal of substances resistant to 'action of liquid solvents. The main features of this compound are:- - Neutrality formulation - Ability to disperse the solvents. - Limitation of the solvent. - Reduction of toxicity for the operator. - Dispersibility material softened and removed. The emulsion was formulated with bleached beeswax, water in a quantity appropriate to obtain a suitable density and a very small amount of emulsifier. The product obtained has a neutral pH and at ambient temperature, is of a density creamy white color.



BRIJ-35 Art. 52741

Water-soluble non-ionic surfactant (polyethoxylated lauryl ether). Pack size 250 g.



KELCOGEL Art. 56182

GELLAN GUM

PHYTAGEL Art. 57171

GELLAN GUM

Gelling agent rubbery substitute agar-agar used in the restoration of the paper for delicate wet cleanings. Agar-agar gelling numbs and yellow while the Phytigel you get a totally transparent gel. The Phytigel is a polysaccharide synthesis (heteropolysaccharide) consisting of glucuronic acid,

CHELATING AGENTS - SOLVENTS - ADHESIVES

glucose and rhamnose normally with similar uses agar-agar. The product is characterized by gelling film-forming properties, flexibility, complete transparency, biological inertness and chemical stability (pH 6.5-7 to 1,5 - 2% in H₂O). Pack size 100 g kg -1

TWEEN 20 Art. 58837

Non-ionic water-soluble (polyethoxylated sorbitan monooleate). Pack size 1 lt.

BENZYL ALCOHOL GELLED Art. 60231

Gelification ready to use based benzyl alcohol, active solvent on natural and synthetic resins as a replacement of DMF. Pack size 1 lt.

METHYLPYRROLIDONE GELLED Art. 60239

Gelification ready to use based on N-methylpyrrolidone, solvent that removes paint, natural and synthetic resins as a replacement of DMF in the cleanings of paintings. Also proposed in the extreme removal of graffiti vandalism. Pack size 1 lt.

DIMETHYLSULFOXIDE GELLED

Art. 60236

Gelification ready to use based DMSO solvent act to remove paints, resins and protein substances in puliture of paintings. Pack size 1 lt.

ETHYL LACTATE Art. 55381

Solvent of new generation used in place of the more harmful xylene in the cleaning of polychrome surfaces. Pack size 1-5 liters

CITROSOLV Art. 56671

ORANGE - D-LIMONENE - Orange Terpene

Degreaser for cleanup operations. Solvent totally natural plant (extract of citrus), multi-functional and versatile, the pleasant smell of orange used to replace most aggressive solvents. Pack size 1-5 lt.

DOWANOL PM Art. 54691

Ether propylene glicometilico. Pack size 1-5 lt. Solvent at low toxicity and high boiling point (120 ° C) mixable with water. Moderate evaporation rate, low viscosity, low surface tension. Slight odor. For its high water solubility and activity as a solvent is used as solvent in paint and cleaning applications. Usable as a solvent with low toxicity even for solutions of acrylic resins (such as Paraloid B-27, etc.).

CITRIC ACID Art. 51293

$C(OH)(COOH)(CH_2.COOH)_2.H_2O$
Monohydrate in powder. Pack size 500 gr.

EDTA DISODIUM SALT Art. 54911

ethylenediaminetetra disodium salt
 $(CH_2.N(CH_2.COOH).CH_2.COONa)_2.H_2O$
Sequestering agent has the property of forming, with metal ions, coordination compounds highly soluble and stable, thus masking the presence in solution. The main metals that can pick up are, in order of affinity, the following: calcium; potassium; sodium; chromium; nickel; copper; lead; zinc; cobalt; manganese; magnesium. In practice,



the disodium salt differs from tetrasodium for better solubility in water. Pack size 1-5 - 25 kg

PURE LIGROIN 100/140 CARLO ERBA

Art. 60280 Pack size 1-5-25 lt.

Petroleum ether for analysis.

LIGROIN 80/120 CARLO ERBA Art. 60281

Pack size 1 lt.

Petroleum ether for analysis.

RICE GLUE Art. 53897

Ready glue basic rice starch. Pack size 2.5 Kg.

RABBIT (LAPIN) SKIN GLUE Art. 53921

Glue extracted from animal skins. Size 1 - 30 kg. Medium-low adhesion and good adhesive power.

RABBIT (LAPIN) SKIN GLUE OPORTO Art. 53931

Glue extracted from animal skins. Size 1 - 25 kg. Medium adhesion and good adhesive power.

RABBIT (LAPIN) SKIN GLUE IN PLATES

Art. 53925 Glue extracted from animal skins. Size 500 gr.- 25 kg. Medium-high adhesion and good adhesive power.

STRONG GLUE PERLA DI ZURIGO Art. 54191

Glue extracted from bones of animals. Excellent adhesion and strong adhesive power. Pack size 1-25 Kg.

GLUE PRESERVER - NIPAGINA Art. 54253

Pack size 100 gr
Based Nipagin sodium is an effective bactericide and is added in the preparation of glues organic-based. Soluble in cold water is used in a concentration of 1 to 2%.

KALINITE (POTASSIUM ALUM) Art. 51731

ALUMINIUM POTASSIUM SULFATE - KALINITE
 $AlK(SO_4)_2 \cdot 12 H_2O$ Colourless crystals or crystalline powder. Soluble in water. Pack size 1 kg.

PRESERVER 43 - S Art. 54252

4-chloro-3-methylphenol in crystals. Contains active ingredients (microbicides) against bacteria and fungi. Used to prevent the attacks of bacteria and fungi in any kind of organic glue: glues based on casein, gum arabic, animal gelatin, dextrin, cellulose hll. To be used in a concentration of 0.5%. Pack size 500 gr.

ADHESIVES FOR LINING



BEVA® GEL Art. 65108 Bar. 746 ml GUSTAV A. BERGER ORIGINAL FORMULA

BEVA® GEL is an aqueous dispersion of acrylic and EVA resins. In its pure form, or diluted with water, BEVA® GEL is an excellent water-based adhesive dispersion, easy to apply, with good slip, and adhesion to a very wide range of surfaces. When partially dried, BEVA® GEL turns into a strong contact adhesive with excellent adhesive to canvas, polyester, and Beva-coated surfaces. To achieve this, high-molecular polymers were incorporated in its formula, which give it the desired tackiness and retention of solvents. For these reasons, it dissolves only slowly. When fully dried, BEVA® GEL turns into a heat-seal adhesive, with the same low-activation temperature as that of BEVA 371 (60-65°C).

ADHESIVE 375 LASCAUX Art. 65112

Ethylene Vinyl Acetate, N ketone resin, paraffin, 40% solution in toluene/petrol rectified 100/140. Soluble in aliphatic and aromatic solvents (benzene, thinner, vegetable, xylene and toluene), insoluble in alcohol. Suitable for linings both traditional sandwich; to paste canvas, on paper or glass fiber; for pairs of paper and fabric; for consolidating layers of color and remove scodellature; for temporary and permanent bonding. Pack size 1-5 lt. **Conforms to the original formulation published in "Studies in Conservation" n° 20 (1975).**

BEVA 371 SOLID Art. 65114

Solid version to prepare 5 liters solution 40% Original Formula G. Berger. Pack size 1.65 Kg.

DENATURED ESANO Art. 55151 Pack size 1-5lt.

Solvent for adhesives for hot lining.

ADHESIVE WAX 443-95 LASCAUX Art. 65111

Mixture of microcrystalline wax and synthetic resin polyterpenic. Soluble in aliphatic and aromatic solvents (benzene, acq uaragia plant, xylene, toluene, etc.). Insoluble in alcoholand, elastic, excellent adhesion, stable to aging. Suitable for traditional linings, using fiberglass and "sandwich"; for assembly and bonding for both temporary and permanent. Pack size 750 gr.

ACRYLIC ADHESIVE 303 HV LASCAUX Art. 65116

Dispersion of acrylic resin on the basis of acrylic acid butyl ester, condensed with polymethacrylic acid. Soluble in water, insoluble after drying. For gluing very elastic, not crosslinkable, such as paper,

cardboard and fabrics. Pack size 1 lt.

ACRYLIC ADHESIVE 498 HV LASCAUX Art. 65118

Dispersion of acrylic resin on the basis of acrylic acid butyl ester, condensed with polymethacrylic acid. Soluble in water, insoluble after drying. For elastic bonding, not crosslinkable. Very suitable for bonding in the wet state on paper, textiles, etc. For the fixing of the canvas on cardboard, wood, plaster, plaster and cement. Pack size 1 lt.

ACRYLIC ADHESIVE 498 20X LASCAUX Art. 65120

Dispersion of acrylic resin on the basis of acrylic acid butyl ester, condensed with 20% of xylene. Soluble in water, insoluble after drying. For gluing elastic-hard not crosslinkable, such as paper, cardboard and fabrics. To join canvases and fabrics to cardboard, wood, plaster, plaster, etc. Pack 1 lt.

POLIAMMIDE POWDERED LASCAUX

Art. 65105 Thermoplastic resin powder with a melting point of 80 ° C. Used for suturing of small tears in the canvas with thermocautery. Pack size 50 g.

RESIN WAX Art. 64864 Wax adhesive for lining obtained by mixing beeswax, gum rosin and turpentine in a traditional Venetian Florentine recipe. Pack size 500 gr.

BEVA FILM - LINING ADHESIVE IN ROLL Art. 65113

roll of 69 cm / footage. It consists of an adhesive for hot lining without solvent that turned into the film, is placed between a white silicone paper and a sheet of silicone mylar. The adhesive film and the support mylar sheet are completely transparent and has high dimensional stability. Thickness 65µm.

BEVA® TEX NON-WOVEN POLYESTER FABRIC

Art. 65109/TEX Non-woven polyester fabric. roll 68,5x91,4 cm

PETROLEUM BENZINE 100/140 LASCAUX

Art. 52551 Solvent for adhesives for hot lining. Pack 3lt.

PLEXISOL P-550 Art. 57185 Pack size 1 Kg.

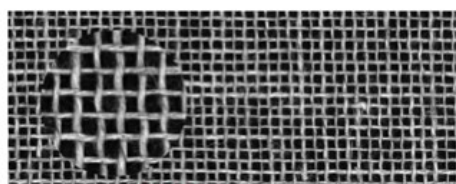
Plastic polymer based on butyl methacrylate in solution with petrol 100/140 ° C. Used as an adhesive and primer in the lining of paintings.

PLEXTOL B-500 Art. 57187 Aqueous dispersion of a

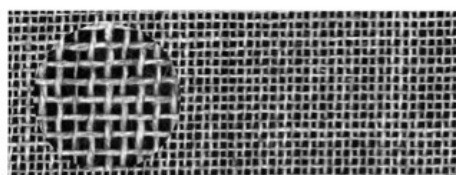
pure acrylic resin, thermoplastic, medium viscosity. Unsaponifiable binder, resistant to weathering and aging. Used as an adhesive in the lining of papers. Pack size 1 kg.

CANVASES AND FABRICS FOR LINING

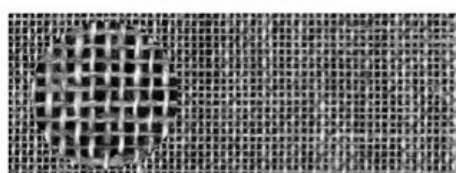
NATURAL



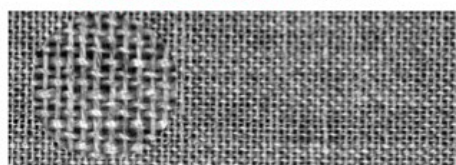
PATTA Art. 82130



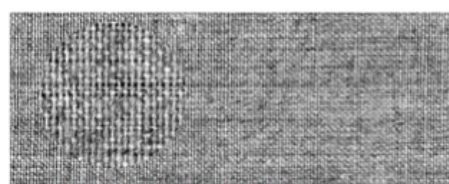
PATTINA Art. 82113



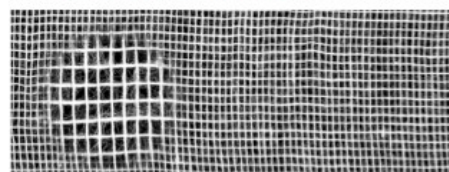
PATTINA EXTRA Art. 82116



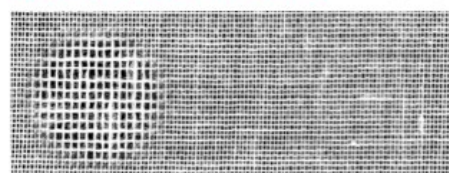
PATTINA BELGA Art. 82145



ENGLISH CANVAS Art. 82174



REINFORCEMENT VENEZIA Art. 82207



COTTON CRINOLINE Art. 82201



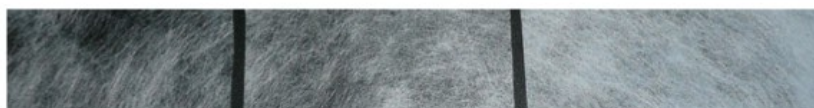
LYON VOILE Art. 82254

PAINTINGS

CANVAS	height cm	YARN			FABRICS		article
		title		type	count	weight gr/mq	
		nm	lea				
Patta	310	7,2	12	S/lt	6 x 6	205	82130
Pattina	315	10	16	lt	8 x 8	175	82113
Pattina extra	315	12	20	lt	9 x 9	160	82116
Pattina Belga	315	13	20	lt	13 x 9	190	82145
English canvans	325	24	40	lt	22 x 20	170	82174
Wood felt	185			La		1500	69781
Reinforcement Venezia	160					40	82207
Cotton Crinoline	150					70	82201
Lyon Voile	140			St	36 x 26	9	82254

TELE E TESSUTI PER FODERATURA

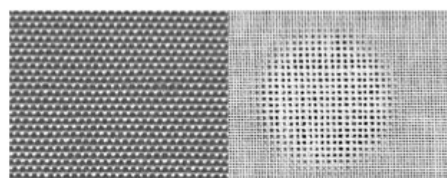
SYNTHETIC



TNT PES



VELO VERTICAL Art. 82258



SINTEL - SINTEL 100 Art. 82261 - 62

PAINTINGS

CANVAS	height cm	YARN		typo	FABRICS		article
		title			count	weight gr/mq	
		nm	lea				
Sintel 100	340	yarn		PES	22 x 22	100	82262
Sintel	340	yarn		PES	18 x 11	260	82261
Velo Vertal	300	monofilament		PES	30 x 27	120	82258
Origam	300	monofilament		PES	40x40	18	82257
Tnt Pes	215	monofilament		PES		40	82230
Tnt Pes	150	monofilament		PES		25	82232
Tnt Pes	150	monofilament		PES		17	82234
Tnt Pes	210			PES		80	82225
Feltro pes	115			PES		450	B142/FELT
Save-TEX Feltro	140			PES		150	82266
Multibava	150			PES			82249
Garza monofilament	130	monofilament		PA			82248
Viesline	90			PES+RA		40	82245
Beva® Tex	68,5			PES			65109/TEX

PES = polyester PA = polyammide RA = rayon

TEMPORARY FRAMES - ANGULAR TURNBUCKLES

TEMPORARY FRAME FOR LINING

Made in aluminum, section 65 x 25 mm, the frames are fitted with telescopic graft junction, of angles extenders, with simultaneous movement in both directions and spurs for securing the canvas. It is available extensible section breakers.

FRAME BASE 400 x 300 cm aluminium Art. 80131

n° 2 Bars of 200 cm

n° 2 Bars of 150 cm

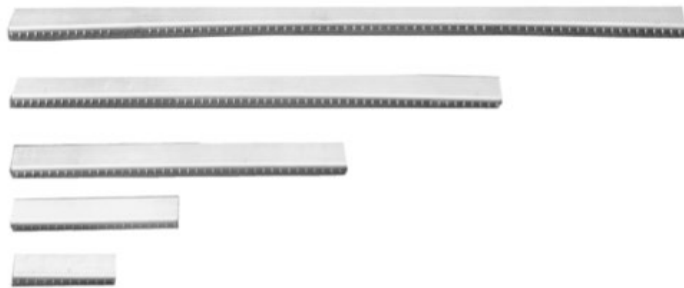
n° 4 Bars of 100 cm

n° 4 Bars of 50 cm

n° 4 Bars of 30 cm

n° 4 Extensors angle in galvanized steel

SECTION BREAKERS in galvanized steel Art. 80137

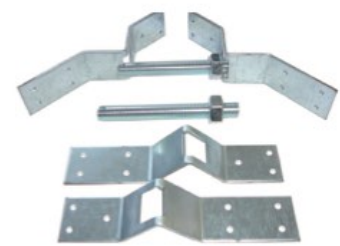
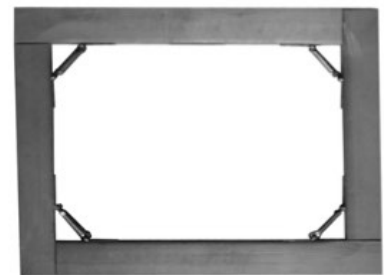


ANGULAR METAL TENSIONING DEVICES

In many antique frames the tensioning system of the canvas is not very functional, both for poor construction that for deterioration of wood. Tensors metal at adjustable dilatation by means of the nut, being positioned away from the points damaged - or impractical - the angles, they can avoid the replacement of the old frame. The fixing system of fixing is constituted by two plates that are screwed or nailed on the inside edge of the frame. The two plates are joined by means of a micrometric system, consisting of a threaded rod with nut. The new tension of the canvas of the painting is done in a phased manner and in the absence of harmful vibrations, caused, in contrast, from the beating of wooden wedges (wedges, keys, wedges) with hammer or mallet. Tensors, made of galvanized steel, are available in four sizes in addition to the reinforced type for large frames from 300 x 300 to 600 x 600 cm - 7-hole plate 30 x 150 mm .



TENSIONING DEVICES STANDARD



TENSIONING DEVICES REINFORCED

Article	Width plate mm	Fixing	N°holes
80401	12	nails	3
80402	16	nails	3
80405	20	screws	2
80406	24	screws	2
80407	30	screws	7

FRAMES FOR PAINTINGS

ARTISTIC PRODUCTION FROM 1932

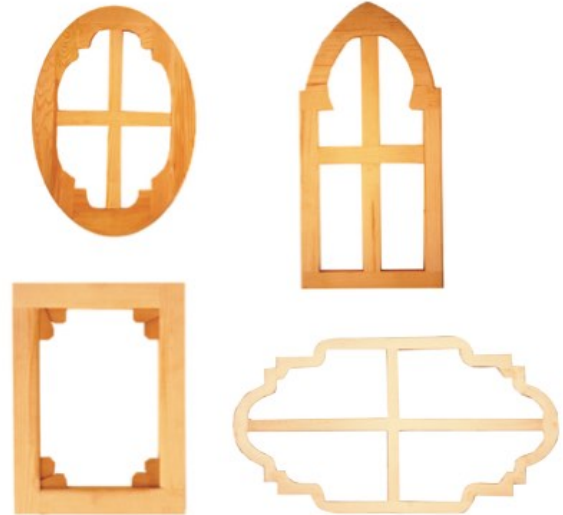
Bresciani srl is registered in the register of historical shops of the city of milan.



FIR TREE PERMANENT FRAMES

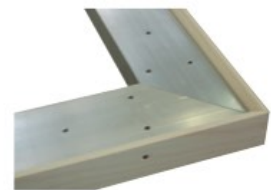
Thanks to the long experience gained in over 60 years in business we are able to produce frames of any size and shape for every need in the field of painting and resheathing of ancient and modern paintings.

Our frames are made of seasoned fir grade with the bevel on the inside in order to avoid marks on the canvas. The tension is obtained by keys (wedges) in beech wood, or, on request, by means of tensor metal angles.

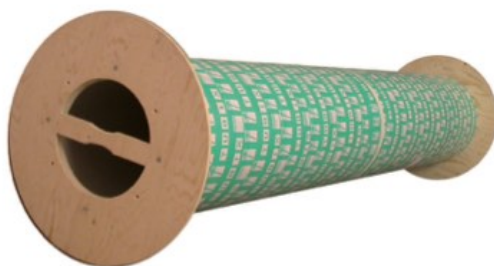


ALUMINIUM PERMANENT FRAMES

Frames made with aluminum profiles section 100 x 40 mm with inserts made of fir wood at the joints - corners and crosses - secured with screws alternate. Is applied on the outer perimeter, always by screws, a strip fir tree for fixing of the canvas by staples or sellerine. The board, protruding approx. 5 mm on the side of the painting, it also avoids the contact of the canvas with metal.



PAINTINGS



ROLLERS FOR PAINTINGS

Realization of reel supports for transporting paintings and tapestries



PERMANENT FOLDING FRAMES TO FACILITATE
TRANSPORT OF GREAT DIMENSIONS PAINTINGS

HOT TABLES - IRON TOOLS

LOW PRESSURE HEATING TABLE

Art.80217/ECO1 & ECO2

The device is equipped with a heating system and a low pressure system independent between them that provide to the working plane a distribution of heat and aspiration of all the useful surface .

The low pressure table is composed of the following main parts:

Supporting structure made of stainless steel with worktop and heated perforated aluminum, with support legs and removable stainless steel swivel casters \varnothing 80 mm with brake.

The top is made by the superposition of two perforated plates of different thickness on the bottom heated with a special resistance with double insulation .

The top plate is 1 mm thick with holes \varnothing 1.5 mm , while the bottom has holes \varnothing 3 mm. The plates are fixed to the table, with a special adhesive tape for easy disassembly during future maintenance . The holes covering 24% of the surface of the surface. Under the floor are installed no.2/4 (on second dimension of the surface) fans high flow for cooling.



ARTICLE	Work top cm	External dim.cm	Weight Kg	Total power W	Supply
80217/ECO1	150x250	164x264	190	7.400	three-phase
80217/ECO2	120x160	134x174	100	4.400	single-phase



IRON TOOLS FOR LINING

IRON 3 KG Art. 80720

Cast aluminium plate. Cover in steel. Bimetal thermostat.

Heating power: 800W.

Power supply: 220/240 single phase.

Dim: 210 x 110 x 150 mm.

IRON 1.5 KG Art. 80720/1.5 Other features such as art. 80720.

IRON Rectangular with inclined front edge Art. 80793/F8E

IRON Rectangular Art. 80793/F7E

IRON Classic Art. 80793/F6E

HEATED SPATULA Art. 80795/S5E

SPECIAL CONTROL BOX Art. 80791/SCB

With electronic adjustment of temperature for operate all spatula type and all irons. Front connection for low-voltage thermocauteries and on the back for irons 230 V. On request available double voltage version 115 / 230V.



ELECTRIC IRON TOOL TO VENER OR ENCAUSTIC PAINTING

Art. 80785

Power supply: 230 Volt/100 Watt

Dim. plate: 70x40 mm.

LOW PRESSURE HEATING TABLE



TABLE BASIC Art. 80215 1500X2500 cm.

TABLE MAXI Art. 80217 2000X3000 cm.

Secifications

- external dimensions: 1600x2600 mm / 2100x 3100 mm
- working flat surface dimensions: 1500x2500 mm/2000x3000 mm
- surface height: 850 mm - surface structure: anodized aluminium round-edged - surface thickness: 8 mm anodized aluminium
- surface boring: bicylindric holes \varnothing 1.4 and 2 mm
- distance between hole centres: 4.5 mm
- hole layout: alternating at 60°
- surface inclination: 80° toward the operator with pneumatic balance
- table structure: coated steel
- surface heating: by means of resistors incorporated into the overall power system at 7500W /9500W
- suction: by means of the punched board
- depression system: side channel aspirator 250 mbar max; 1100W /170 m³/h /2200W / 280 m³/h
- asynchronous engine with high- efficiency fan spinner; electronic inverter control speed
- temperature, depression, humidity, engine torque monitoring: by means of electric sensors
- option: data recording, power and control acquired on a computer provided with software
- option: humidification by forced closed circuit evaporation- data displayed on the computer: date, number of the work on pro gress, environmental temperature and relative humidity, plate temperature recording in different places; depression, set temperature and depression; temperature and depression timer (both are activated by the operator). The system includes a led display - hand-operated, temperature and relative humidity display, plate depression and temperature, hand-adjusted).
- Voltage: 380 volts, three-phase, 50 Hz; Electric installation in accordance with the law.

Our company, responding to the specific needs expressed by the operators engaged in the restoration industry, has designed and built a highly versatile equipment for the lining and interventions minimum of ancient and modern paintings. it is a new system that combines, in a technologically advanced instrument, two techniques already tested over the years, that of the table at low pressure and that of the hot table.

The low pressure heating table guarantees uniform in heating and maintaining.



TABLE OBLIQUE POSITION

References

10th Triennial Meeting of ICOM
22-27 August 1993 - Washington, DC, USA.
ENAIP Restoration School - Botticino
C.F.P. Region Lombardia - Cremona - Italy
Vatican Museum - Vatican - Rome - Italy
Restoration laboratory - Provincia di Viterbo - Italy
Mymar Sinam University - Istanbul - Turkey

Istituto Centrale per il Restauro - Rome - Italy
MCR Malta Centre for Restoration - Malta
Universidad de La Laguna Gobierno de Canarias Spain
Fondazione "La Venaria Reale"- Venaria (Torino)
Musées D'Art et D'Historie - Geneve - Svizzera
Scuola di Restauro di Villa Fabris - Vicenza

GLUE/WAX HEATER



ELECTRIC GLUE HEATER BAIN-MARIE Art. 80491INOX THERMOSTAT STAINLESS STEEL GLUE HEATER 2 lt

New model of glue heater, completely in stainless steel suitable for all types of hot glue, natural or synthetic. Power button and thermostat on the front offer easy and safe use. The bucket door glue is separated from the remaining body of the unit and is equipped with a handle for easy extraction.

- External structure: stainless steel.
- Temperature control: thermostat
- Capacity glue: 2 liters
- Power: 230 -50Hz Volt Weight/dim. 2Kg/25x25x30cm



GLUE HEATER MADE OF CAST IRON 1,8 liters Art. 80490/GHISA

Bain-marie glue heater made entirely of cast iron consists of two containers with handles

- Usable volume container internal: 1800 ml.
- Dimensions external container: ø 210 mm. - h. 190 mm
- Dimensions internal container: ø 140 mm. - h. 140 mm
- Weight glue container: 2.7 Kg
- Total weight: 8 Kg



ELECTRIC HOT PLATE Art. 80499

Plate ø 185 mm. Power 1500 Watt - 230 Volt/50Hz

- Brushed stainless steel top
- Heat resistant painted base
- Heat resistant painted base
- Pilot lights • Dimensions: 250 x 285 x 80 mm



ELECTRIC HOT PLATE 2 HEATING ELEMENTS Art. 80499/2

Plate ø 150+ø180 mm. Power 2500 Watt (1000+1500) - 230 Volt/50Hz

- Brushed stainless steel top
- Heat resistant painted base
- Heat resistant painted base
- Pilot lights • Dimensions: 460x290x77 mm.



ELECTRIC WAX HEATER 500 ml. Art. 80498

Heating system equipped with precision thermostat.

- Temperature: adjustable from 20° to 120 °C
- Power : 110 Watt
- Mains: 230 Volt
- Weight: 1.4 Kg.
- Dimensions: 21.5x21x12(h)cm.

CONTAINERS IN METALL Art. 80500 for wax heater 500 ml.



GLUE HEATER IN ALUMINIUM Art. 80490...

Glue heater made entirely of aluminum consisting of two containers with independent handles.

Article	Volume Lt.	Diam. mm.	Height mm.
80490/1	1	160	150
80490/1,5	1,5	180	180
80490/2	2	200	180

HEATED SPATULAS

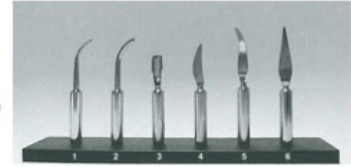


MICRO HEATED SPATULA Art. 80763

Micro-processor thermostatic control with thermocouple K sensor 3 digit led display shows the set and also the tip temperature Handpiece is 24V powered

The Station consist of:

- Supply and control unit 25W-230/24V
- Handpiece 20W-24V
- 6 Spatula copper chromium-plated tips different shapes
- holder to maintain the handpiece in correct position equipped with tip extractor for hot tip change



HEATED SPATULA DIGIT 3000 Art. 80765/3000

Electronic control of digital temperature them to microprocesore to 3 digit to high stability. Equipment: - n° 1 electronic control unit power supply 110/230Volt - 50/60Hz 65 Watt. Adjustable temperature 50-250°C - n° 1 manipulate fed to 24 Volt with cable from 1.5 mt. in resistant silicon to the heat with integrated thermo-probe. - n° 1 handle stand n° 2 chromium plated tips for ironing (Art. 80767/1 e 80767/2). Case in shockproof polypropylene

PAINTINGS

ARTICLE	80767/1	80767/2	80767/3	80767/4
CHROMIUM-PLATED TIP	SMALL FLAT	LARGE FLAT	OVAL FLAT	WOOFED OVAL FLAT
DIMENSIONS	37X12 mm	70X20 mm	20X30 mm	19X32 mm



ARTICOLE	80767/5	80767/6	80767/7	80767/8
CHROMIUM-PLATED TIP	OVAL FLAT	CONICAL	FLAT 45°	DOUBLE FACET
DIMENSIONS	20X10 mm	∅ 5 mm	∅ 5 mm	10 X 34 mm



80767/9
TEFLON FLAT
20X40 mm



SPECIAL TIPS FOR WORKING WAX Art.80773

Set of 5 points (10 available) for particular applications of wax and warm workable materials.

ACCESSORIES FOR LINING AND RESTORATION



CANVAS-STRETCHING PLIERS TYPE BRESCIANI

Art. 80435

Canvas - stratching pliers painted steel with non-slip tubular support. Length 260 mm, Width shoe 75 mm. For the tension of all kinds of paintings, also largedimensions.



STAPLER

Art. 80464 for nail and staple

Art.80456 (staple) height 5 mm.

Art.80465 (staple) height 12 mm.

Art.80460 (nails) height 15 mm.

Pack size 5000 pieces



PNEUMATIC STAPLER

Art. 80468

Dim./Weight:

218x42x154mm/910g.

Staple length. 12.5 mm

Pack size 10000 pz

Art.80470/6 height 6 mm.

Art.80470/12 height12 mm.



SELLERINE - ANODIZED UPHOLSTERY TACKS pack size 1 Kg.

mm	12	14	16	18
Basic	80481	80482	80483	80484
Anodized	80486	80487	80488	80489



CANVAS-STRETCHING PLIERS

Lock and unlock with a push lever integrated in the handle. The blockade tightened the clamp holds the canvas without any extra effort during the tension, the pressure is controlled by the screw.

Art. 80436

Art. 80436/470

Art. 80436/Maxi



JAR FOR COTTON Art. 77102

Glass jar openable, aluminium cover. Height jar:100 mm
Height jar with cover: 150 mm
Diameter: 100 mm



LINING SPATULA IN beech wood

Art. 80492 Length 20 cm.

Art. 80493 Length 30 cm.



MAGNETIC HAMMER

Art. 80463 To facilitate the mounting of canvases with selle-rine. Weight 85 gr.

HAMMER FOR SELLERINE

Art. 80461 Weight 80 gr.



WOOD MALLET

Art. 80471 Ø head 50 mm.

Art. 80474 Ø head 80 mm.

Art. 80476 Ø head 100 mm.



DISPENSER FOR SOLVENTS

Practical storage for solvents in high-density polyethylene with innovative pumping system in stainless steel of the solvent from the container to the top pan without tipping the bottle.

Art. 76011 Capacity 100 ml

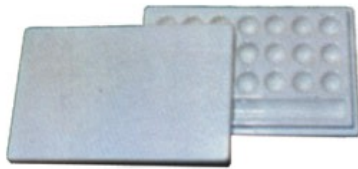


VEGETAL SOAP FOR BRUSHES Art.80409

Special soap made of vegetable oil, preserves the elasticity and softness of the hairboth natural and synthetic, with his action re-fattening.

Pack size 85 gr.

PAINTING RESTORATION ACCESSORIES



CERAMIC PALETTE 24

Art. 64862 Rectangular in ceramic 24 holes. Dim. 120 x 220 mm. with glossy enameled cover.



CERAMIC PALETTE 10

Art. 64876 Rectangular in ceramic 10 holes. Dim. 220 x 300 mm.



PALETTE COROLLA

Art. 64875 In ceramic 9 holes Ø 145 mm.



METAL PALETTE 22

Art. 80506F Enameled metal 22 holes 250 x 350 mm. Solvents resistant



PLASTIC PALETTE 12

Art. 80504 In plastic 12 holes 240 x 340 mm.



PLASTIC PALETTE 9

Art. 80505 In plastic 9 holes 200 x 300 mm.



DIPPERS FOR PALETTE

Art. 80512 single in metal Ø 40 mm plastic cover.

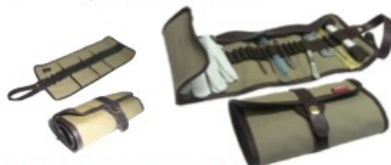
Art. 80513 single in metal Ø 55mm screw cover

Art. 80514 double in metal screw cover 54x33 mm.



MAHLSTICK Art. 80421

Folding mahlstick, varnished aluminium, with cork covered with leather. Maximum length cm. 90, disassembled.



CANVAS ROLL CASE

Art. 61645 In fabric with leather trim for brushes/tools not included.



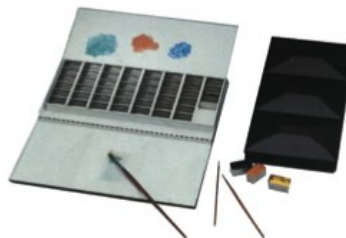
AGATA MORTAR WITH PESTLE 75 cm.

Art. 80519/75 Capacity 25 ml. Outer diam. 75 mm. Inner diam. 60 mm. Other sizes on request.



FORMICA PALETTE

Art. 80502 200 x 300 x 4 mm.



DECORATION BOX

Art. 80507 Made from varnished steel. Black outside, white enameled inside. Special tin coat anti-rust treatment. Fitted with 48 detachable stainless steel pans of 16 cm. Dim. 36x18x4,5 cm.

GODET BOX

Art. 80508 With lid. Made from varnished steel and coat anti-rust treatment. Fitted with 24 half pans.godes. Dim. 21x8x2,5 cm.



PORCELAIN MORTAR

For grinding resins and pigments

Art. 80515 Ø 9 cm. With pestle.

Art. 80516 Ø 15 cm. With pestle.



BRUSH WASHER Art. 80410

Brush washer Ø 100 mm. with lid.

HYDROPHILIC COTTON EXTRA

Art. 13141 Bale of 2 Kg.

STICKS COTTON FIOC

Art. 13153 75 mm pack size 100 pz.

BAMBOO STICKS

Art. 13155 250 mm pack size 50 pz.



GLASS PLATE WITH PESTLE

Art. 69185 GLASS PLATE

Art. 69186/60 GLASS PESTLE ø 60 mm

Art. 69186/100 GLASS PESTLE ø 100mm

STUDIO EASELS



Art. 80312



Art. 80314CAP



Art. 80317CAP



Art. 80318CAP



Art. 80320CAP



Art. 80328

STUDIO EASELS

Article	Base cm	Height max canvas cm	Weight Kg	Specifications
80312	68x99	235	42	Double bar - Beech wood
80314CAP	70x68	235	32	Beech wood oiled
80317CAP	68x54	177	12	Beech wood oiled
80318CAP	56x52	140	10	Beech wood oiled
80320CAP	90x70	175	12	Double faces
80328	67x75	165	22	Horizontal tilt
80331	61x65	160	30	Metal + counterbalance



Art. 80331

PROFESSIONAL METAL EASEL WITH COUNTERBALANCE Art. 80331

Structure in painted steel/chrome and anodized aluminum. Counterbalance consists of fixed weight with 7 disks ballast additional. Adjusting tilt and swivel casters and locking buffer. Horizontal support of the painting of 100 cm. With nylon roller bearings for easy movement. Supplied in kit form. Dimensions max: 65x100x207/311 cm.

METAL STUDIO EASEL Art. 80333

Metal studio easel, adjustable, chromium plated and varnished black
 Base size: 55 x 50 cm
 Max useful height: 130 cm
 Weight: 10 Kg.
 Packing box: 150x21x180 cm



Art. 80333

DOUBLE DISPLAY EASEL CHROMIUM PLATED Art. 80332

Display easel, chromium plated and varnished black steel.
 Base size: 55 x 50 cm
 Max useful height: 180 cm
 Weight: 10 Kg.
 Packing box: 5x6x203 cm +55x54x15 cm



Art. 80332

COUPLE OF EASELS Art. 80301

Support table. Folding and adjustable in height. Made of painted steel / chrome. Height 82/110 cm.
 Width 74 cm. Weight 11 Kg.



WOOD EASEL heavy type Art. 80303

Made in reselable wood fir
 Height 90 cm. Width 80cm



MOVEMENT PAINTINGS

PANELS TROLLEY BIG DIMENSIONS Art. 81363

Recommended panel dimensions max 600x400
 Base support: 400 cm
 Height at the shoulder: 300 cm
 Width: 120 cm
 Movement by 6 caster wheels.



DOUBLE PANELS TROLLEY Art. 81361

Strong painted steel structure fully welded, to give additional strength, tubular handles for handling, 3 solid wood supports placed horizontally between the uprights and 2 supports on the base covered by neoprene rubber thickness 10 mm to prevent damage to objects carried.

Base dimensions: 2000x1000 mm
 Height : 1380 mm
 N° caster wheels: 4
 Capacity: 600 Kg.
 Supports: Neoprene 10 mm



ELECTRIC STUDIO EASEL GIANT Art. 80310

Canvas holders in beech-wood. Electric control unit for timing engines.

N°2 electric engines 230 V-50 Hz.
 Electrically powered raising and tilting motion.
 Dimensions (LXPXH): 200x160x270/370 cm
 Maxi size of the painting: 380x300 h. cm
 Max load: 250 Kg
 Least distance from floor: 10cm, max 140cm
 Delivered disassembled.
 In the photo model with wheels (on demand).



"The invisible cat"
 Painting by Fernando Leal Audirac
 200 x 300 cm aluminum frame

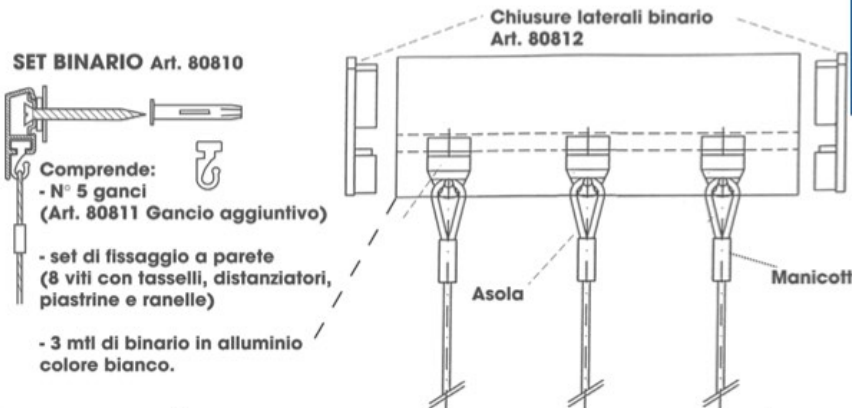
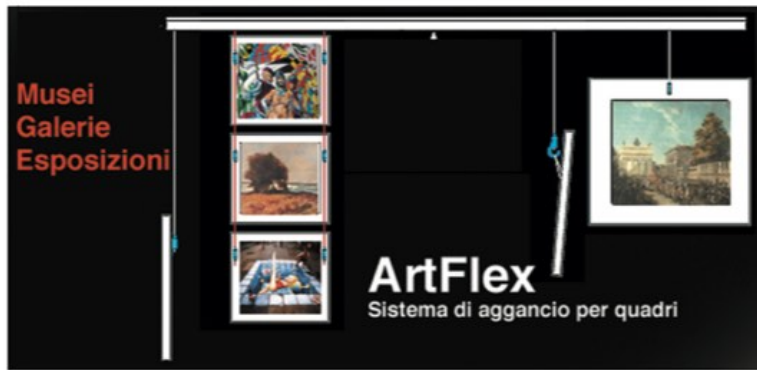
ATLANTE - SUPPORTS FOR PAINTINGS Art. 80309

Atlas is a system of linear supports, light and perfectly functional: designed to operate in pairs, uses the simple principle of the inclination and resting on the vertical walls is able to stand on itself paintings and panels of any size and weight. Consisting of a pair of aluminum rods in the shape of inverted "T" with jointed feet and head rubber to fit any wall without scratching and a telescopic arm with height adjustment of the props.

Open dimensions (HxLxP): 204 x 62 x 4 cm
 Closed dimensions (HxLxP): 144 x 62 x 4 cm
 Lateral dimensions on inclined system : 30 cm
 Minimum inclination respect vertical axis: 5 degrees
 Weight system minimum 2 rods: 4,100 Kg
 Maximum flow system minimum 2 rods: 250 Kg



HOOKS AND SPRINGS FOR PAINTINGS



Art. 80824

Art. 80818



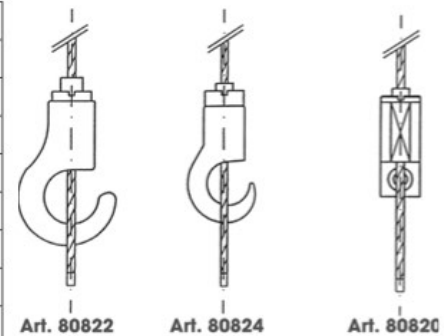
Art. 80824/SAF

Art. 80825/SAF



Art. 80832

80810	Track set of 3 m. with 5 hooks and block
80811	Hook
80812	Lateral closure rail line white
80814	Element of connecting track
80816	Articulated sphere connection
80818	Block for cables - to screw, large
80820	Block for cables - to screw, small
80822	Block for cables - large hook
80824	Block for cables - small hook
80822SAF	Block for cables - large hook with safety gate
80824SAF	Block for cables - small hook with safety gate
80826BO500	Cable ø 1.5 mm, stainless steel - 500 mtl
80826BO100	Cable ø 1.5 mm, stainless steel - 100 mtl
80826PA	Cable coated ø1/1.6 mm stainless steel PA500r
80830	Straight screw
80832	Special caliper mounting sleeves
80834	Aluminium sleeves ø1.5 mm. Pack 20 pieces

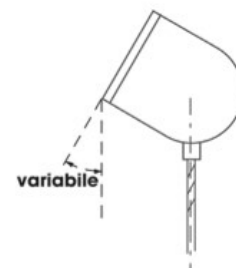


Art. 80822

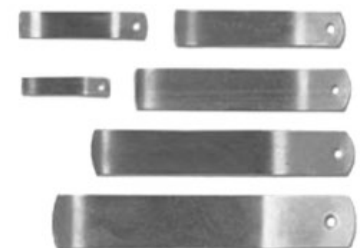
Art. 80824

Art. 80820

Ancoraggio a sfera per soffitto obliquo. Art. 80816



Art. 80816



SPRING MOUNTING FRAMEWORK FRAME

The harmonic steel springs applied with a screw on the back of the frame allow you to secure the frame and, with a simple twist, pull it out easily. Pack size 100 pieces.

N° article	Description	Length
80415	CM2	2 cm
80416	CM3	3 cm
80417	CM4	4 cm
80418	CM5	5 cm
80419	CM6	6 cm
80420	CM7	7 cm

PAINTINGS

HOOK SYSTEMS FOR PAINTING

FHS SYSTEM

Art.M7000/20000 FHS 2 70x25 range 35 mm.

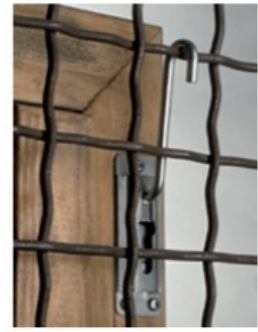
Art.M7000/20400 FHS 3 95x37 range 50 mm.

It's a system for the suspension, which mounted on the back of the frame of the paintings, replaces the traditional eyelet screw screwed into wood or similar.

The system has been developed to meet the requirements for the display, storage and transport of works of art.

Sales kit:

- 2 plates FHS 2/3
- 10 cross head self-tapping screws
- 2 eyelet hooks to hanging up the wall
- 2 "S" hook to hanging up grates racks deposits



HOOK M SYSTEM

Art.M7000/90100 SMALL 45x105 - hook 14mm

Art.M7000/90000 LARGE 50x115 - hook 24mm

The hook M is the best solution for hanging paintings or frames on the racks present in the deposits (ROLLEXPO). Hook system M solves optimally engaging in such structures consist of welded mesh knitted about 5/10 cm side.



M7000/90100



HOOK T SYSTEM

Hooks for any type of vertical wall, easy and quick to install, adjustable in height, with anti-theft system, reusable.

Art.M7000/40300 Hook T-M6

For large paintings (50 kg.) on the walls also irregular.

Art.M7000/40210 Hook T-M5 LONG

For medium/ large paintings (40 Kg.)

Art.M7000/40200 Hook T-M5

For medium/ large paintings(40 Kg.)

Art.M7000/40100 Hook T-M4

For medium/ small paintings(20 Kg.)



T-M5-long



T-M4



T-M6



HOOK FLEX SYSTEM

Hooks for any type of wall easy and quick to install, adjustable in height, with anti-theft system, reusable.

Art.7000/40500 HOOK FLEX M4

Art.7000/40600 HOOK FLEX M5

Art.7000/40700 HOOK FLEX M6



FLEX M4 - M5 - M6



FIX-PLATE SYSTEM

Mounting plate to fit every situation, can be easily bent with a special pair of flat pliers.

Art.M7000/50400 FIX-PLATE 55x12.7 mm

Art.M7000/50500 FIX-PLATE 70x19 mm

Art.M7000/50600 FIX-PLATE 100x19 mm

Art.M7000/50900 PLIER FOR FIXING-PLATE



PAINTING FILING SYSTEM

Paintings filing system ROLLEXPO CUBE® Art.81511



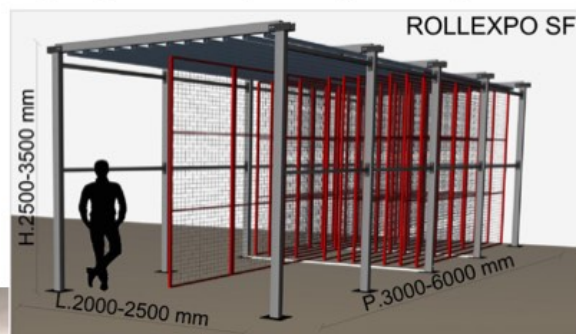
The system consists of:

- 5 removable modular frame from 1240 2250H x (mm) full square mesh 50x50x3 (mm) in powder coated non-toxic and full of sliding wheels, top and bottom guidance system;
- Modular metal structure 1250x1250x2370 H (mm) in powder coated non-toxic. On the two sides is mounted outside the square mesh 50x50x3 (mm); Cap and lower base metal powder coated with slides. Supplied disassembled, assembled by the purchaser.

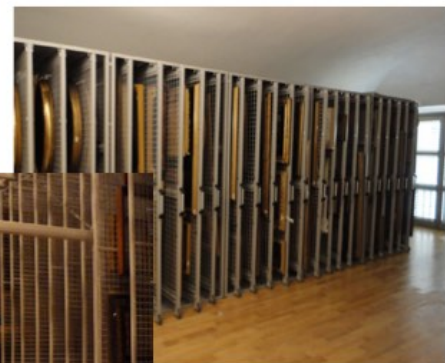
OPTIONAL

2 side panels + 1 rear closing plate powder coated non-toxic.

We realize storage systems for paintings on request.



PAINTINGS



SUPPORTS FOR FRESCOS AND MOSAICS



ALVEOLAM EXTRA - ALVEOLAR ROUGH SURFACE PANELS

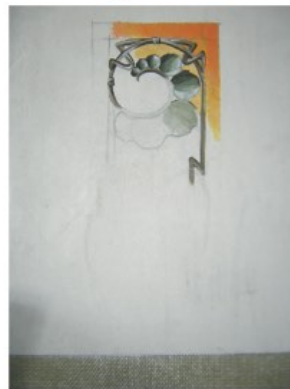
Panels made with the sandwich system with a core of honeycomb aluminum and surfaces in the prepreg of glass fiber and epoxy resin. The extreme lightness combined with high physical characteristics make these panels ideal for media such as paintings, frescoes and mosaics. The soul of the panels is a honeycomb aluminum Al 3003/3103/3104. The geometry is typical of honeycomb consisting of hexagonal cells. The sheet is a thin sheet from 50 microns. Compression strength 3.0-3.5 MPa. The finish of the two surfaces is made with glass fiber weave to "mat" (0,3+0,3 mm - 300 gr/m²) impregnated with epoxy resin.

To improve the adherence of the mortar surface use Primal

E-330 art. 21151. The honeycomb panels are available in various thicknesses, with cell 1/4" in standard size 3000 x 1470 mm. Density 56-59 Kg/mc - Weight 2.94 Kg/mq for thickness 15 mm. The panels can be joined using the special fabric of glass fiber and a bicomponent epoxy resin.



Detail of the surface with high adhesion



FRESCO



MOSAICS



Honeycomb cell 3/8" (9 mm)
1500 x 3000 mm

Article	Thickness
83053	0,3 mm
83057	0,3 mm
83061	0,3 mm

On demand honeycomb cell 1/4" and others thickness

FIBERGLASS FABRIC Art. 8221

Bobbin height 130 cm. Particularly suitable for the production of fiberglass panels and for joining honeycomb panels using a special epoxy resin. (Becor SX26 + Ind. SX26M Art. 22177+22182)



CUTTING AND JUNCTION ALVEOLIAN PANELS

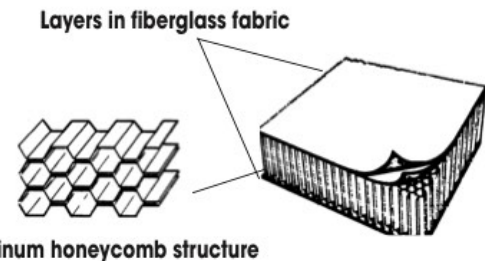
ALVEOLAM is working with standard tools (circular saw and drill), the glass fiber powder is not toxic, but irritating to the skin, so it is strongly recommended the use of vacuum cleaners for powders. Junctions and curved or bent details can be easily obtained with accessory materials according to our technical indications.

The following materials are available for joining panels:

Art.22177 BECOR SX26+ Art.22182 Hardener Pack. 5+1,5Kg

Art.22146 EUROSTAC EP-IN 2501+ hardener 2502 Pack. 1+0,25 Kg.

Art.82222 Glass fabric in bobbina 200 gr/m² h 100 mm bobbin 100 mt.



aluminum honeycomb structure



SUPPORTS FOR FRESCOES AND MOSAICS-ROLLERS FOR PAINTING

VTR AND PVC SANDWICH PANELS

The supports are made with sandwich system, product under vacuum, consisting of two-sided fiberglass (polyester resin and glass) and a core of polyvinyl chloride (PVC self-extinguishing CFC - freon) closed-cell foam with a density of 55 kg / sqm. The glass fiber is the type used for impregnation with an average weight of 450 g / sq m (limits between 405 and 495). The resin, a polyester isophthalic medium reactivity loaded with 40-45% glass, offers high impact strength (it was also approved by the Italian Naval Register with DIP/12/90 statement). For fixing frames or for the positioning wall is possible, during the realization of the panel, insert internally and / or perimeter of bars in aluminum or wood. For particularly large paintings are rolled up sheets made of fiberglass with a thickness of 3 mm. To ensure the reversibility of bonding of the painting is supplied and applied, by means of a contact adhesive, a layer of agglomerated cork 2 mm. **To request is made shaped panels and / or curvature of vault, niches or columns.**



SHAPED AND CURVED PANEL



ROLLABLE VTR PANELS

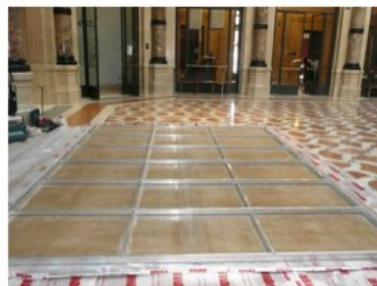
ARTICLE	DESCRIPTION	THICKNESS	SIZE
83113	FIBREGLASS PLATE	3 mm	Roll height max 500 cm
83137	PANEL VTR+PVC	22 mm	customized
83141	INSERTS WOOD/ALUMINIUM		internal or perimetral
83131	CORK AGGLOMERATE	2 mm	sheets 50 x 100 cm
83119	PLATE PVC (CADORITE)	5 mm	120 x 260 cm

SOME REFERENCES OF PAINTINGS - FEESCOES AND MOSAICS SUPPORTS

Church of Santa Maria delle Grazie - Milan
 Monza Cathedral
 Cloister of Santa Chiara - Naples
 Church of San Teodoro - Pavia
 The Sforzesco Castle - Milan
 Superintendence of Brera - Milan
 St. Peter's Church in Gessate

Ruins of Pompei
 Church of SS. Annunziata - Genoa
 Visconti Castle - Pavia
 Monreale - Palermo
 Cathedral of Pisa and Monumental Cemetery - Pisa
 Villa Adriana - Tivoli

EXAMPLE OF PANEL FOR ROLLED SYNOPIA WITH ALUMINUM IRRIGATION STRUCTURE DIMENSIONS 350x500 CM.



SPECIAL PAPERS AND FILMS

JAPANESE PAPER in sheets an bobbin see page 142.

TISSUE PAPER

- Art. 49150 12.5 g/m² sheets 70 x 50 cm.
Art. 49151 12.5 g/m² roll 1 x 480 mtl.

INTERLEAVING SILK TISSUE PAPER KLUG

- Art. K0101 18 g/m² sheets 75 x 100 cm.
Quality 0101; acid free; pH neutral
with alkaline reserve >8%
Art. K0103 28 g/m² sheets 76 x 100 cm.
Quality 0103; acid free
with alkaline reserve >8%
Art. K0102 30 g/m² sheets 70 x 100 cm.
Quality 0102; trasp. pH neutral
Art. K0102/2 30 g/m² roll 120 cm x 500 mtl
Quality 0102; trasp. pH neutral
Art. K0101/8 18 g/m² roll 130 cm x 500 mtl
Quality 0101; acid free; pH neutral
Art. K01031 21 g/m² roll 99,5 cm x 500 mtl
Quality 0103; acid free
with alkaline reserve >8%

ONION SKIN PAPER

- Art. 49411 45 g/m² in sheets 70 x 100 cm.

DOUBLE SIDED SILICONE COATED PAPER

- Art. 49515 80 g/m² sheets 70 x 100 cm.
Art. 49518 120 g/m² sheets 70 x 100 cm.

WRAPPING PAPER Havana colour

- Art. 49405 70 g/m² in sheets 100 x 150 cm.

POUNGING PAPER FOR DRAWINGS

- Art. 49414 90 g/m² roll 150 cm x 5 mtl
Art. 49415/200 120 g/m² roll 200 cm x 10 mtl

FILTER PAPER

- Art. 49711 75 g/m² sheets 80 x 120 cm

BLOTTING PAPER PH NEUTRAL

- Art. 49715 250 g/m² sheets 70 x 100 cm.
Art. K040/01 350 g/m² sheets 70 x 100 cm. Quality 040
Art. K040/04 350 g/m² sheets 110 x 120 cm. Quality 040
Art. K040/58 700 g/m² sheets 100 x 140 cm. Quality 040

COTTON ADHESIVE TAPE PH 7.4

- Art. K088/23 roll 3 cm. x 50 mtl.
Art. K088/24 roll 4 cm. x 50 mtl.
Art. K088/25 roll 5 cm. x 50 mtl.
Art. K088/26 roll 6 cm. x 50 mtl.

PAPER ADHESIVE TAPE PH 7.4

- Art. K067/25 roll 2.5 cm. x 50 mtl. 80 gr/mq
Art. K067/50 roll 5 cm. x 50 mtl. 80 gr/mq

MICROPOROUS TAPE

- Art. 49688 roll 2,5 cm x 9 mtl.
Art. 49689 roll 1.25 cm x 9 mtl.

POLYESTER CRYSTAL FILM

- Art. 49071 Plastic film weight 140 g. height 120 cm.
Art. 49073 Plastic film weight 250 g. height 120 cm.

MELINEX MONOSILICONATED

- Art. 49066 23 micron roll 200 cm x 50 mtl.
Art. 49067/B010 23 micron roll 153 cm x 50 mtl.



CELLOPHANE TRANSPARENT FILM

- Art. 49052 roll 33 cm. x 300 mtl.

ALUMINIUM FILM

- Art. 49053 roll 33 cm. x 150 mtl.

RUBBERIZED PAPER HAVANA COLOUR

- Art. 49611 20 mm. x 150 mtl.
Art. 49612 30 mm. x 150 mtl.
Art. 49613 40 mm. x 200 mtl.
Art. 49614 50 mm. x 150 mtl.
Art. 49615 60 mm. x 200 mtl.

PAPER ADHESIVE TAPE

- Art. 49649 07 mm. x 50 mtl.
Art. 49651 15 mm. x 50 mtl.
Art. 49653 19 mm. x 50 mtl.
Art. 49655 25 mm. x 50 mtl.
Art. 49657 30 mm. x 50 mtl.
Art. 49659 38 mm. x 50 mtl.
Art. 49661 50 mm. x 50 mtl.

SELF-ADHESIVE TAPE IN PVC

- Art. 49665 25 mm. x 66 mtl. Color havana.
Art. 49667 50 mm. x 66 mtl. Color havana.

SELF-ADHESIVE TAPE IN TEFLON

- Art. 49695/20 Thickness 0.127mm roll 20mm x 30 mtl
Art. 49695/30 Thickness 0.127mm roll 20mm x 30 mtl

HANDKERCHIEVES PURE CELLULOSE

- Art. 13119 100 sheet box



PAPER ROLL 100% CELLULOSE 2 PLYS

- Art. 13125 In bobbin 1.75 Kg

FLOOR STAND Art. 13127

SELF-ADHESIVE TAPE IN TYVEK

- Art. B591/TYK25
roll . 25.4 mm x 46 mtl
Art. B591/TYK38
roll 38.1 mm x 46 mtl

DuPont™
Tyvek®

TYVEK IN ROLL

- Art. B591/TYV1 roll 152 Cm x 50 mtl
Special fabric made of polyethylene. Inert material, smooth, flexible, soft, that does not degrade over time. The surface does not allow the dust to settle, it is impervious to most solvents and gases and prevents the growth of mold and mildew. For these characteristics is used with excellent results in the conservation and protection of works of different materials, furniture, costumes, glass, marble, paintings, graphics and so on.

SABLE RETOUCHING BRUSHES

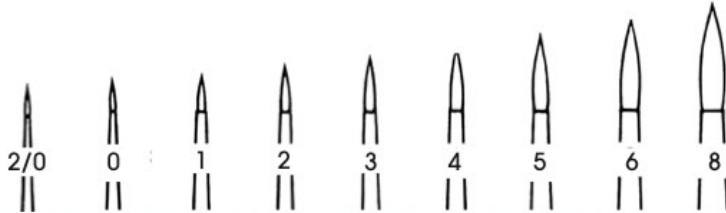
RETOUCHING BRUSHES RESTAURARTE SERIES 120 "type english"



000	00	0	1	2	3	4
61581	61582	61583	61584	61585	61586	61587

REAL RED SABLE SIBERIAN KOLINSKY

- high elasticity
- hand-tied
- full body
- anti-roll handle
- Silver ferrule
- english numbering
- cheap price



61826	61827	61828	61829	61830	61831	61832	61833	61835
-------	-------	-------	-------	-------	-------	-------	-------	-------

Series 1750

Round brushes in sable hair Kolinsky. Nickel plated ferrule. Lacquered wooden handle.



000	00	0	1	2	3	4	5	6	7
61601	61602	61603	61604	61605	61606	61607	61608	61609	61610



BRUSHES SERIES 7 WINSOR & NEWTON

Round brushes in long sable hair Kolinsky. Nickel plated ferrule. Lacquered wooden handle



000	00	0	1	2	3	4	5	6
61630	61631	61632	61633	61634	61635	61636	61637	61638

BRUSHES S. 7 miniature WINSOR & NEWTON

Round brushes in short sable hair Kolinsky. Nickel plated ferrule. Lacquered wooden handle.

PAINTINGS

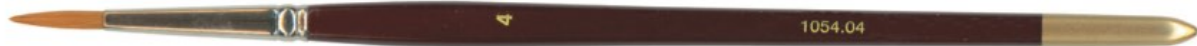
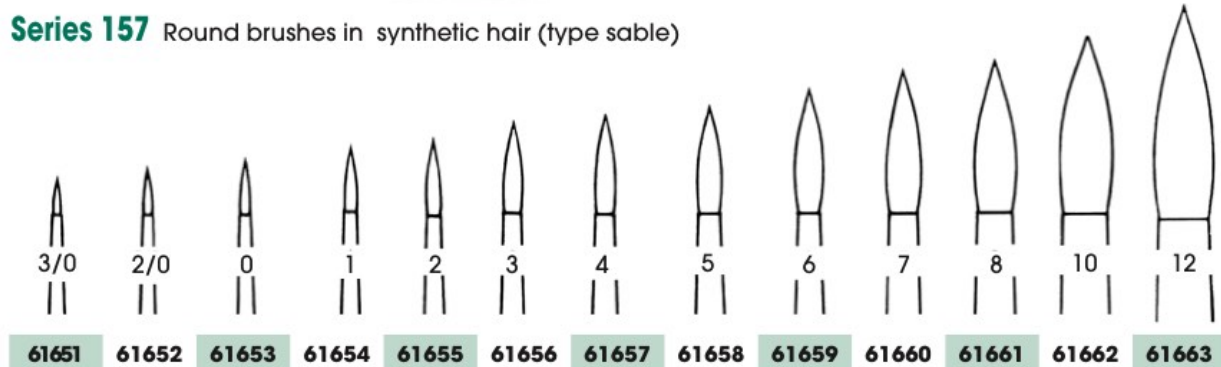
SYNTHETIC RETOUCHING BRUSHES - PULLING LINE

RETOUCHING BRUSHES RESTAURARTE

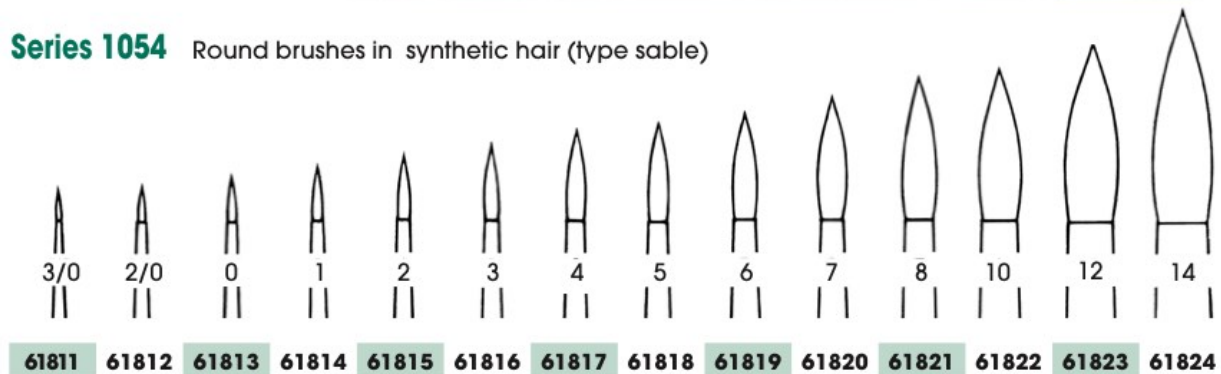
Retouching paint brushes series 157 synthetic hair blond, extra fine (hair thickness from 0.08 to 0.15 mm), extremely thin tips (similar to sable), large absorption and release of uniform color, high elasticity, short handle. RestaurArte brushes have been specifically designed for retouching painting.



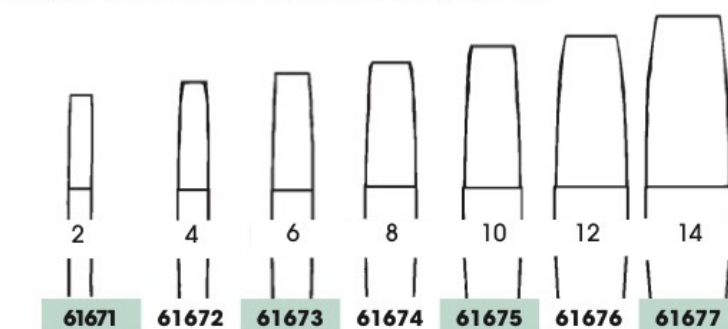
Series 157 Round brushes in synthetic hair (type sable)



Series 1054 Round brushes in synthetic hair (type sable)



Series 1370 Round brushes in synthetic hair



PULLING LINE Series 85-78

Pure bristle brushes blonde or black tie with rope.

S.85 blonde	61701	61702	61703	61704	61705	61706	61707	61708	61709	61710
S.78 black	61780/1	61780/2	61780/3	61780/4	61780/5	61780/6	61780/7	61780/8		
N°	1	2	3	4	5	6	7	8	9	10
Diam. mm	10	11	12	13	14	15	16	17	18	19
Length mm	40	40	42	45	47	52	55	57	60	60

BRUSHES FOR OIL - CASE BRUSHES



Round



Flat

BRUSHES FOR OIL Series 115 - 116

Brushes for oil with nickel-plated brass ferrule and long wooden handle

N°	White bristle 61882/..								Ox hair extra 61883/..							
	00	0	1	2	4	6	8	10	12	14	16	18	20	22	24	26
ROUND																
Diam. mm	0.5	0.7	1	1.5	2	3	4	4.5	5	5.5	6	7	8	9	12	13
Length. mm	5	6	7	9	11	13	16	18	20	22	24	28	30	32	37	42
FLATS																
Length. mm	2	2	3	4	5	7	9	11	12	13	15	16	18	20	22	24
Length. mm	6	7	8	9	10	12	13	14	16	17	19	22	24	26	28	30

ROUND CASE BRUSHES Series 76

Art. 61751/.. Round brushes in pure black bristle. Aluminium ferrule. Wooden handle.

N°	12	14	16	18	20	22	24	26	28
Diam. mm	7	9	10	12	13	16	17	19	21
Length. mm	39	39	39	41	47	53	53	54	62

FLAT CASE BRUSHES Series 77

Art. 61760/.. Round brushes in pure black bristle. Aluminium ferrule. Wooden handle.

N°	12	14	16	18	20	22	24	26	28	30
Width. mm	9	10	11	14	16	17	20	21	23	25
Length. mm	30	32	36	39	42	48	50	54	60	66

ROUND CASE BRUSHES Series 103/T

Round brushes in pure blonde bristle. Aluminium ferrule. Wooden handle.

Article	61871/T	61872/T	61873/T	61874/T	61875/T	61876/T	61877/T	61878/T	61879/T	61880/T
N°	12	14	16	18	20	22	24	26	28	30
Diam. mm	8	9	10	11	12	14	17	19	22	24
Length. mm	30	32	36	37	40	43	47	52	54	58

FLAT CASE BRUSHES Series 103/P

Round brushes in pure blonde bristle. Aluminium ferrule. Wooden handle.

Article	61871/P	61872/P	61873/P	61874/P	61875/P	61876/P	61877/P	61878/P	61879/P	61880/P
N°	12	14	16	18	20	22	24	26	28	30
Width. mm	12	14	16	18	20	22	24	26	30	34
Length. mm	28	31	34	36	40	44	49	50	52	57

FLAT BRUSHES



FLAT BRUSHES Series 40/1 - short hair

Flat brushes in pure bristle. Wooden handle.

Nikel-plated ferrule. - **Thickness 6 mm**

Article	N°	Width mm	Length .hair mm
61711	20	20	40
61712	30	30	40
61713	40	40	40
61714	50	50	40
61715	60	60	40
61716	70	70	40
61717	80	80	40
61718	100	100	46



FLAT BRUSHES Series 42 - long hair

Flat brushes in pure bristle. Wooden handle. Nikel-plated ferrule. - **Thickness 9 mm**

Articolo	N°	Larghezza mm	Lung.pelo mm
61728/20	20	20	40
61728/30	30	30	42
61728/40	40	40	48
61728/50	50	50	55
61728/60	60	60	61
61728/70	70	70	61



FLAT BRUSHES Series 2034

Flat brushes in pure blonde bristle. Wooden handle.

Thickness 15 mm.

Article	N°	Width mm	Length hair mm
61730	20	20	40
61731	30	30	42
61732	40	40	48
61733	50	50	48
61734	60	60	55
61735	70	70	61
61736	80	80	61
61737	100	100	67



FLAT BRUSHES Series 171

Flat brushes in ox hair. Wooden handle.

Nikel-plated ferrule. - **Thickness 6 mm**

Article	N°	Width mm	Length hair mm
61885	30	30	35
61886	50	50	45
61887	70	70	55



FLAT BRUSHES Series 172

Flat brushes Vayo hair (canadian and russian squirrel) - Wooden handle. Nikel-plated ferrule.

Thickness 6 mm

Article	N°	Width mm	Length hair mm
61881/30	30	30	35
61881/50	50	50	45



FLAT BRUSHES Series 173

Flat brushes in toray extrasoft synthetic hair. Wooden handle. Nikel-plated ferrule.

Thickness 6 mm

Article	N°	Width mm	Length hair mm
61744/20	20	20	35
61744/30	30	30	40
61744/40	40	40	45
61744/50	50	50	45



FLAT BRUSHES NYLON

Flat brushes in rigid nylon for dusting and stripping. - **Thickness 15 mm**

Article	N°	Width mm	Length hair mm
61729/30	30	30	32
61729/40	40	40	32
61729/50	50	50	32

SPECIAL BRUSHES



HORSEHAIR BRUSH

Art. 61898 Horse-hair bristle length 140 mm, thickness 6 mm width 80 mm. To feather the effects veined, imitation wood and marble.



BRUSH TEETH Art. 61897/60

In bristle. To create "wood grain" and "marble imitation" effect. Width 60mm. Length bristles 32 mm.



BLENDER BRUSH PURE BADGER

In badger .To create "wood grain" and "marble imitation" effect. Width 20 mm. Length bristles 75 mm.

Art. 61899/60 Largh. 60 mm

Art. 61899/80 Largh. 80 mm

Art. 61899/100 Largh.100 mm

Art. 61899/120 Largh.120 mm



CHINESE BRUSHES

Flat brushes in very soft goat hair tied in copper wire.

Article	Width mm	Length hair mm
61851	30	30
61852	60	30
61853	90	30
61854	120	30



PAD BRUSHES

Pure blonde bristle brushes. Ferrule nickel round. Wooden handle.

Article	N°	Diametro mm	Length hair mm
61893/8	8	16	25
61894/10	10	20	28
61895/12	12	23	30



BRUSH S. 74

In pure blonde bristle with rope tie and rounded tip. Wooden handle.

Article	N°	Diameter mm	Length hair mm
61776/6	6	40	80
61776/10	10	45	80
61776/12	12	50	86



PAPER BRUSH Art. 61793

In pure blonde bristle with wooden back. Length 300 mm. Thickness 20 mm. Projection bristles 50 mm.



MUCCINO BRUSHES

Pure bristle brushes blonde with rope tie and rounded tip. Wooden handle.

Article	N°	Diameter mm	Length hair mm
61765/20	20	24	58
61765/22	22	26	60
61765/24	24	28	64
61765/26	26	30	66
61765/28	28	32	68



BOMBAGINO BRASCHES VAYO for gold leaf

Brushes Vayo bleu hair . Nickel plated ferrules. Wooden handle.

Article	N°	Diameter mm	Length hair mm
69164/2	2	9	32
69164/4	4	10	35
69164/6	6	12	37
69164/8	8	16	39
69165/10	10		

FLAT BRUSHES VAYO for gold leaf

Brushes Vayo bleu hair .. Cardboard support.

Article	N°	Width mm	Length hair mm
69162/30	30	30	45
69162/40	40	40	45
69162/60	60	60	45
69162/80	80	80	45
69162/100	100	100	45



RESTORATION'S COLOURS

RESTAURARTE RETOUCHING COLORS Art. 64810

EXTRA-FINE VARNISH COLOURS BASED ON CHETONIC RESIN FOR PROFESSIONAL RESTORATION OF PAINTINGS

After beyond twenty years of experience in the production of colors for restoration, a new series, renewed and improved is born. The new RestaurArte extra-fine varnish colors are tested and in use for a long time at important European institutes of restoration with more than satisfactory results. These colors are formulated with pigments of qualities that have very high resistance to light, added to a binder made up of chetonica resin (in specific a ureo resin of condensation aldehyde) with characteristics of elasticity, adhesion, hardness, resistance to the yellowing and excellent tenacity.

Between those offers on the market it is used the Laropal A101 of the BASF. The alternative could be the Laropal A 81, always of production BASF, but this last one has a range of softening of 80-95°C respect has 95-110°C of the Laropal

A101 that above all guarantees so a less sticky surface in warm climates. Moreover the A101 has a minor retention of the solvents, for a faster drying.

The Laropal A101 is soluble in alcohols (butyl, isopropane,...), esters (ethyl-lactate, ethyl-acetate etc), ketones (acetone, MEK, aromatic etc), hydrocarbons (toluol, xylene, etc). It is instead insoluble in aliphatic hydrocarbons (white spirit, hexane, etc) present in great part of varnishes, so assures the impossibility "to move" the retouching during the phases of final painting.

The product range includes 32 colors plus a "color binder" which is the basic component without pigment, which will enable the restorer to create a custom color using the pigment it needs.



PAINTINGS

CODE	COLOUR	GROUP
1	TITANIUM WHITE	1
2	ZINC WHITE	1
3	CADMIUM YELLOW LEMON	3
4	CADMIUM YELLOW MEDIUM	3
5	NAPLES YELLOW	1
6	YELLOW OCHRE	1
7	YELLOW OCHRE PALE	1
8	GOLD OCHRE	1
9	RAW SIENNA	1
10	MADDER CRIMSON	2
11	CADMIUM RED-ORANGE	3
12	CADMIUM RED MEDIUM	3
13	POZZUOLI RED	1
14	BURNT SIENNA	1
15	GREEN LAKE	2
16	CHROMIUM OXIDE GREEN	3

CODE	COLOUR	GROUP
17	COBALT BLUE	3
18	ULTRAMARINE BLUE	2
19	CERULEAN COBALT	3
20	CRIMSON BROWN	2
21	TRANSPARENT BROWN	2
22	VAN DYCK BROWN	1
23	KASSEL EARTH	1
24	BURNT UMBER	1
25	RAW UMBER	1
26	BITUME	1
27	IVORY BLACK	1
28	CARBON BLACK	1
29	RUBIA RED	1
30	EMERALD GREEN	2
31	COBALT GREEN	3
0	COLOR BINDER	1

RESTORATION'S COLOURS

EXTRAFINE RESTORATION VARNISH COLOURS RESTAURARTE



RESTORATION VARNISH COLOURS MAIMERI Art. 62141-42-43-44

They are made from only three ingredients: pigment, resin mastic in tears and turpentine. After drying the varnish colors for Restoration have a slightly opaque surface appearance. To get a more polished look, just add color to the MASTIC PAINT composed of only binder, mastic resin and turpentine. After drying can be removed with turpentine. Varnish colors Maimeri have an assortment of 33 colors divided into 4 groups and are available

in tubes of 20 ml.

Titanium White - White Zinc - Cadmium Yellow Light - Cadmium Yellow Lemon - Cadmium Yellow Medium - Cadmium Yellow Dark - Naples Yellow - Yellow Ochre - Yellow Ochre Pale - Golden Ochre - Terra Siena - Carmine of Alizarin - Dark Madder Lake - Cadmium Red Orange - Cadmium Red Medium - Red Indian - Terra Pozzuoli - Terra Siena burnt - Lacquer green - Green Earth - Green Earth Ancient - Chrome Oxide Green - Emerald Green - Cerulean - Cobalt Blue - Ultramarine Blue - Bruno Garanza - Bruno Transparent - Bruno Van Dyck - Land of Cassel - Burnt Umber - Raw Umber - Ivory Black.

EXTRA FINE GOUACHE MAIMERI COLOURS Art. 62671-72

All colors can be mixed and the range includes 66 tints divided into two groups and available in tubes of 20 ml.

FIXATIV FOR GOUACHE AND WATERCOLOUR Art. 64847

Based on polyvinyl acetate. Pack size 01 litri.

FIXATIV LUKAS 2323 FOR GOUACHE, WATERCOLOUR, OIL, ACRYLIC Art. 61409

Based on resin of cyclohexanone. Pack size spray 300 cc. free from FCHC.

FIXATIV 609 MAIMERI FOR PAINTING, PASTEL, GOUACHE Art. 61309

Based on ketone resin. Pack size spray 400 cc.

WATERCOLOURS - ACRYLIC - PIGMENTS

EXTRAFINE WATERCOLOURS WINSOR & NEWTON

The color range includes 83 watercolor Winsor & Newton tints divided into 4 groups and available both in tubes of 5 ml. (Art. 64191-64193) (except for: Azure cobalt - Permanent Mauve - Violet carmine) then in half godet (Art. 64197-64200).

WINSOR & NEWTON



WATERCOLOUR VENEZIA

The color range includes 36 tints Venezia watercolor both available in tubes of 15 ml. (Art. 62794) then in godet. da 1.5 ml. (Art. 62789)



PAINTINGS



Lascaux

ACRYLIC COLOURS LASCAUX

The range includes 45 tints divided into 3 groups and available in tubes of 200 ml (Art. 65251-54) end 750 ml (Art. 65311-65314).

Liquitex



ACRYLIC COLOURS LIQUITEX Art. 63364-68

The range includes 71 tints divided into 5 groups available in tubes of 60 ml.



PURE MINERAL PIGMENTS KEIM Art. 64710-64735

The colors silicate minerals were born in the last century when the increased use of coal for heating and for industries has resulted in the pollution of air and the beginning of acid rain that make the short life of traditional lime tinting. The colors based on potassium silicate liquid using a silicate as a fixative obtain protection of pigment and plaster reacting chemically with both. This is the big advantage compared to the colors of

lime: the silicate tinting reacts with the support even if it is dry but the physical properties of water vapor permeability of the same support as in the painting to remain unaltered lime .

FIXATIV KEIM - TECHNICAL B Art. 64761

Silicate-based fixative for colors Keim. Pack size 4 lt.



COLOURS ACRYLIC - VEGETABLE COLOURING

ACRYLIC RESTAURANTE - PROFESSIONALS ACRYLIC COLOURS Art.64795/..

These colors have been specifically designed for the fine arts in general and for decoration, can also be used as a coloring agent for mortars and resin compatible with the acrylic emulsions.

The series is made with synthetic organic and inorganic pigments with excellent light stability and completely non-toxic. All colors can be mixed in any proportion between them.

For thinning and cleaning using ordinary water, after drying must be used organic solvents specific (nitro thinner, acetone, DOWANOL, etc.). The assortment of acrylic ACRYLIC is made up of 21 tints.

The colors are packaged in plastic bottles 500ml with dispenser spout.

CODE	COLOUR	CODE	COLOUR
01	Titanium White	12	Earth Burnt Shadow
02	Cadmium Yellow Light (primary)	13	Black ivory
03	Cadmium Yellow Dark	14	Bruno garanza (transparent)
04	Cadmium Yellow Orange	15	Blue Sky
05	Vermilion	16	Cobalt Blue
06	Carmine	17	Ultramarine Blue
76	Naples Yellow Reddish	18	Violet Mineral (transparent)
08	Yellow Ochre	19	Cadmium Green Light
09	Terra Siena	20	Green Paolo Veronese
10	Burnt Terra Siena	21	Emerald Green
11	Earth Natural Shadow		

The colors are all covering except those listed as transparent

VEGETABLE COLOURING FOR WOOD AND FABRICS Pack size 250 gr - 1 Kg.



ALCANNA o HENNE'

Art. 60805 Powder obtained from the leaves of *Lawsonia alba* Lamark, of various colors, from yellow-orange to brown and red mahogany depending on the pH



ALOE Art. 60807

Powder brown / greenish obtained from the leaves of the homonymous *Liliaceae*, engraving, pressing and drying in the sun.



CAMPEGGIO Art. 60809

Rasping powder of the leguminous *Haematoxylon campechianum* L. reddish-brown.



CARTAMO Art. 60811

Yellow powder obtained from the petals of *Carthamus tinctorius* (*Asteraceae*), but also *Crocus sativus* (saffron) synonyms: saffran, bastard saffron crocus.



COCHINEAL Art. 60813

Red powder obtained from insects (*Coccidia*) parasites of plants (cochineal Negro and Argentinian).



MADDER TINTORIA Art.60823

Powder root *Rubia tinctorum* L.



CURCUMA Art. 60815

Yellow powder obtained from the rhizomes of *Curcuma rotunda* or *C. longa* (*Zingiberaceae*) synonyms: false saffron, saffron of the Indies, turmeric.



CATECU' Art. 60817

Brown powder of bitter taste coming from the extract of *Acacia catechu* Wild or *Umcaria gambir* Rosh.



INDACO Art. 60819

Blue powder obtained by alkaline treatment of plants of the genus *Indigofera*; synonyms: ford, pastel, Vaud.



WALNUT HULL Art. 60821

Mallo walnut *Juglans regia*, rich in tannins and essential oils.



RED SANDALWOOD

Art.60825
Pterocarpus Santalinus.



DRAGON'S BLOOD

Art. 57491 Pack size 200 gr
A natural resin derived from the "Calamus Draco Wild" or Calamus. It is soluble in alcohol. It is used for the preparation of coloured varnishes for musical instruments.

RESTAURARTE PIGMENTS

PURE PIGMENTS RESTAURARTE

The range includes 67 colors, packaged in plastic jar 125 ml and divided into 5 groups of the price (11 gr. 1; 15 gr. 2, 13 gr. 3, 17 gr. 4; 11 gr. 5) in addition to 15 special pigments (8 gr. 6 in 50 ml pot and 7 gr. 7 in pot of 125 ml).



PAINTINGS

CODE	N°	PIGMENTS JAR 125 ml	GR
60601/001	001	WHITE ZINC	2
60601/002	002	TITANIUM WHITE	2
60601/003	003	LAND OF VICENZA	1
60602/211	211	NATURAL GROUND SIENA	1
60602/213	213	YELLOW EARTH FAN	1
60602/214	214	OCRA YELLOW	1
60602/215	215	OCRA GOLD	2
60602/221	221	YELLOW MARS	2
60602/222	222	MARS YELLOW TRANSPARENT	3
60602/232	232	YELLOW CHROME PURE LIGHT	3
60602/233	233	PURE CHROME YELLOW MEDIUM	3
60602/234	234	YELLOW CHROME PURE DARK	3
60602/242	242	PURE YELLOW ZINC	4
60602/252	252	YELLOW INDIAN	4
60602/262	262	NAPLES YELLOW	4
60602/272	272	CADMIUM YELLOW LEMON	4
60602/273	273	CADMIUM YELLOW DARK	4
60602/292	292	CADMIUM ORANGE	4
60602/294	294	ORANGE CHROME	3
60603/311	311	EARTH BURNT SIENA	1
60603/313	313	VERONA RED EARTH	2
60603/314	314	ENGLISH RED	2
60603/315	315	RED VENICE	2
60603/321	321	RED MARS	2
60603/322	322	MARS RED TRANSPARENT	3
60603/323	323	CAPUT MORTUM	2
60603/324	324	RED MORELLONE	2
60603/331	331	CINABRINO LIGHT	2
60603/332	332	CINABRINO DARK	2
60603/333	333	CINNABAR IMPERIAL MIDDLE	5
60603/334	334	VERMILION MEDIUM	4
60603/341	341	CARMINE ALIZARIN	3
60603/351	351	MADDER LAKE	5
60603/371	371	CADMIUM RED LIGHT	4
60603/372	372	CADMIUM RED MEDIUM	4
60603/373	373	CADMIUM RED DARK	4
60604/411	411	DARK BLUE OVERSEAS	2
60604/415	415	DEEP SEA COBALTATO	3
60604/421	421	BLUE PRUSSIA	3
60604/431	431	BLUE PHTALO	3
60604/442	442	COBALT BLUE	5
60604/451	451	MANGANESE BLUE	5
60604/461	461	BLUE SKY	5

CODE	N°	PIGMENTS JAR 125 ml	GR
60604/471	471	INDIGO BLUE	5
60605/512	512	GREEN EARTH	1
60605/514	514	EARTH SHADOW NAT. greenish	1
60605/521	521	COBALT GREEN LIGHT	4
60605/522	522	COBALT DARK GREEN	4
60605/531	531	GREEN CHROME	3
60605/532	532	GREEN CHROME Oidehydroxide	5
60605/541	541	DARK GREEN ZINC	4
60605/542	542	BRILLIANT GREEN ZINC	4
60605/551	551	PAUL GREEN VERONA	4
60605/561	561	EMERALD	5
60605/571	571	GREEN PHTALO	4
60606/612	612	EARTH NATURAL SHADE	1
60606/621	621	BURNT GROUND SHADE	1
60606/631	631	CASSEL EARTH	1
60606/641	641	BRUNO VAN DYCK	1
60607/712	712	COBALT VIOLET DARK	5
60607/721	721	MANGANESE VIOLET	5
60607/731	731	VIOLET OVERSEAS	4
60607/732	732	ROSA OVERSEAS	5
60609/991	991	BLACK MARS	2
60609/992	992	BLACK IVORY	3
60609/993	993	SCREW BLACK	2
60609/994	994	CARBON BLACK	3
PIGMENTS JAR 50 ml			
60610		NATURAL MALACHITE	6
60611		NATURAL LAPIS	6
60612		NATURAL CINNABAR	6
60613		AZURITE	6
60614		COCHINEAL	6
60615		INDIGO	6
METALLIC PIGMENTS AND NACREOUS JAR 125 ml			
60651/OZ		PURE GOLD IMIT.	7
60651/OP		RICH GOLD PALE IMIT.	7
60651/OD		DUCATO GOLD IMITATION	7
60651/AG		SILVER IMITATION	7
60651/RA		COPPER	7
60651/MO		MOTHER OF PEARL GOLD IMIT.	7
60651/MA		MOTHER OF PEARL SILVER IMIT.	7

PIGMENTS



PIGMENTS FOR FRESCOS AND PAINTINGS

The range consists of 66 colors
Pack size 500 gr or 1 Kg.

ARTICLE	N°	DESCRIPTION	PACK.
WHITE			
60701/001	001	WHITE ZINC	1 Kg
60701/002	002	TITANIUM WHITE	1 Kg
60701/003	003	EARTH VICENZA	1 Kg
YELLOW			
60702/211	211	NATURAL GROUND SIENA	1 Kg
60702/213	213	YELLOW EARTH FAN	1 Kg
60702/214	214	OCRA YELLOW	1 Kg
60702/216	216	YELLOW DORE	1 Kg
60702/221	221	YELLOW MARS	1 Kg
60702/233	233	PURE CHROME YELLOW MEDIUM	1 Kg
60702/234	234	YELLOW CHROME PURE DARK	1 Kg
60702/242	242	PURE YELLOW ZINC	1 Kg
60702/245	245	YELLOW LIME	1 Kg
60702/262	262	NAPLES YELLOW	500 gr
60702/271	271	CADMIUM YELLOW LIGHT	500 gr
60702/273	273	CADMIUM YELLOW DARK	500 gr
60702/291	291	CADMIUM ORANGE LIGHT	500 gr
60702/293	293	CADMIUM ORANGE DARK	500 gr
60702/294	294	ORANGE CHROME	1 Kg
RED			
60703/311	311	EARTH BURNT SIENA	1 Kg
60703/313	313	VERONA RED EARTH	1 Kg
60703/314	314	ENGLISH RED	1 Kg
60703/315	315	RED VENICE	1 Kg
60703/317	317	POMPEII RED	1 Kg
60703/318	318	RED MALAGA	1 Kg
60703/319	319	RED LIME	1 Kg
60703/321	321	RED MARS	1 Kg
60703/323	323	CAPUT MORTUM	1 Kg
60703/324	324	RED MORELLONE	1 Kg
60703/331	331	CINABRINO LIGHT	1 Kg
60703/332	332	CINABRINO DARK	1 Kg
60703/333	333	CINNABAR IMPERIAL MIDDLE	500 gr
60703/334	334	VERMILLION MEDIUM	500 gr
60703/351	351	MADDER LAKE	500 gr
60703/361	361	RED SIGNAL	1 Kg
60703/372	372	CADMIUM RED MEDIUM	500 gr



SET PIGMENTS glass jar 25 ml

Art. 61907/160 168 colours - Art. 61907/108 108 colours
Art. 61907/54 54 colours - Art. 61907/12 12 colours.

BLUE			
60704/412	412	DEEP SEA PURE BLUE	1 Kg
60704/415	415	DEEP SEA COBALTATO BLUE	1 Kg
60704/419	419	OVERSEAS BLUE LIME	1 Kg
60704/421	421	BLUE PRUSSIA	1 Kg
60704/441	441	COBALT BLUE LIGHT	500 gr
60704/443	443	COBALT BLUE DARK	500 gr
60704/481	481	CERULEAN BLUE	500 gr
GREEN			
60705/511	511	GREEN EARTH LIGHT	1 Kg
60705/513	513	DARK GREEN EARTH	1 Kg
60705/514	514	EARTH SHADOW NAT. GREENISH	1 Kg
60705/521	521	COBALT GREEN LIGHT	500 gr
60705/522	522	COBALT DARK GREEN	500 gr
60705/533	533	CHROME OXIDE GREEN PURE	500 gr
60705/541	541	DARK GREEN ZINC	1 Kg
60705/542	542	BRILLIANT GREEN ZINC	1 Kg
60705/545	545	A LIME GREEN	1 Kg
60705/546	546	GREEN ETRURIA BLUIISH	1 Kg
60705/551	551	PAUL GREEN VERONA	1 Kg
60705/561	561	EMERALD	500 gr
60705/581	581	OVERSEAS PURE GREEN	500 gr
BROWN			
60706/611	611	EARTH NATURAL SHADE	1 Kg
60706/623	623	EARTH SHADOW BURNED MEDIA	1 Kg
60706/624	624	BURNT GROUND DARK SHADOW	1 Kg
60706/631	631	LAND OF CASSEL	1 Kg
60706/641	641	BRUNO VAN DYCK	1 Kg
VIOLET			
60707/721	721	MANGANESE VIOLET	500 gr
60707/731	731	VIOLET OVERSEAS	500 gr
BLACK			
60709/991	991	BLACK MARS	1 Kg
60709/992	992	BLACK IVORY	1 Kg
60709/993	993	SCREW BLACK	1 Kg
60709/995	995	BLACK ROME	1 Kg

FINAL AND RETOUCHING VARNISHES



LEFRANC VARNISHES

Article	Description	Pack
61111	Retouching varnish Vibert 1253	1 lt
61112	Retouching varnish sopraffina 1188	1 lt
61120	Retouching varnish sopraffina 1825 spray	400 cc
61115	Vernice Dammar 1859	75 ml
61119	Final varnish ceronis 735	60 ml
61121	Final varnish 1826 spray	400 cc
61122	Acrylic varnish 828	250 ml
61123	Satin finished varnish 811	250 ml
61125	Final varnish fast 829	250 ml
61126	Final varnish opaque spray	400 cc



RESTAURARTE VARNISHES

Article	Description	Pack
64831	Retouching varnish	1 lt
64832	Final varnish opaco	1 lt
64833	Final varnish bright	1 lt
64834	Varnish coppale	1 lt
64835	Varnish mastic (40%)	500 ml
64836	Varnish Damar satin finished	1 lt
64837	Varnish Damar natural	1 lt
61505	Varnish Regalrez bright	1 lt
61506	Varnish Regalrez opaco	1 lt

PAINTINGS



REMBRANDT VARNISHES

Article	Description	Pack
61203	Retouching varnish	1 lt
61206	Retouching varnish spray	400 cc
61201	Final varnish mat	1 lt
61204	Final varnish mat spray	400 cc
61202	Final varnish bright	1 lt
61205	Final varnish lbright spray	400 cc



LUKAS VARNISHES

Article	Description	Pack
61403	Retouching varnish 2205	1 lt
61402	Final varnish 2203	1 lt
61404	Final varnish acrylic 2209	1 lt
61405	Varnish acrylic mat 2208	1 lt
61406	Varnish Dammar 2206	1 lt
61407	Varnish bright 2321 spray	400 cc
61408	Varnish opaco 2322 spray	400 cc
61414	Varnish satin finished 2324 spray	400 cc
61412	Final varnish opaco 2242	1 lt
61415	Final varnish silky 2204	1 lt

VARNISHES - BINDING - THINNERS



MAIMERI VARNISHES

Article	Description	Pack
61307	Retouching varnish 685 spray	400 cc
61302	Varnish Damar 664 (40%)	1 lt
61303	Varnish mastic 682 (31%)	500 ml
61308	Final varnish 669 spray	400 cc
61310	Eging varnish 678	1 lt
61311	Cracking varnish 688	1 lt
61313	Varnish 673 (cheton. 50%)	500 ml
61316	Varnish opaque 674 (acril.30%)	500 ml
61317	Final varnish 667 filter UV	500 ml



SPECIAL VARNISHES RESTAURARTE

Article	Description	Pack
64840	Olifa - Final varnish for icons	1 lt
64905	Sandrac varnish	1 lt
64909	Varnish Lustrina	1 lt
64834	Varnish coppale	1 lt
64866	Liquid bitumen	250 - 500 ml
64847	Tempera and watercolor fixativ	01 - 5 lt



PAINTINGS

THINNERS

Article	Description	Pack
64841-42	Turpentine oil	1 - 5 lt
64843-44	Petroleum essential oil	1 - 5 lt
64845-46	Petroleum essential oil odourless	1 - 5 lt



ACRYLIC VARNISHES LASCAUX

Article	Description	Pack
65123	Resin bright P550-40%	1 lt
65125	Resin 742-33%	1 - 5 lt
65127	Resin mat 550/675-32%	1 lt
65134	Resin transparent 1 bright	1 lt
65136	Resin transparent 2 mat	1 lt



BINDING - MEDIUM

Article	Description	Pack
64848	Stand linseed oil	1 lt
55441	Ox gall bleached	500 ml

ADHESIVES AND PLASTER



DAP® Weldwood Carpenter's Glue Art. 80625

DAP® Glue is a professional grade aliphatic resin premium glue that provides fast, strong bonds for any type of wood in particular in the restoration and lutherie. DAP® Glue resists to oil, grease, and paint solvents. Does not contain solvents or products that give off toxic vapors. The glue DAP® can be used on all types of wood, plywood, composite panels, laminated plastic, fabric, cardboard panels, skins and leather, paper and all porous or semi-porous materials.

PACK SIZE: 16 oz (473 ml); 32 oz (946 ml); 1 US Gallon (3,78lt)

WOODPLASTER 427 Art. 22511

Two component epoxy resin used for the reconstruction / grouting wood materials.

Pack size 500+500 gr

ARALDITE SV 427 Art. 22342 Pack size 500 gr.

Two-component epoxy putty for wood-free reconstruction abrasives.

HARDENER HV 427 Art. 22363 Pack size 500 gr

ARCHEOSTUCCO Art. 52148

Hot Special putty for inlays.

Pack size 2-3 Kg. approx.

MODOSTUC Art. 80663

Caolin filler white colour



RABBIT (LAPIN) SKIN GLUE "OPORTO EXTRA" Art. 53931

Glue extracted from animal skins. Pack size 1 - 25 kg. Medium-low adhesiveness and good adhesive power.

RABBIT (LAPIN) SKIN GLUE IN PLATES Art. 53925

Glue extracted from animal skins. Pack size 500gr.- 25 kg. Medium-low adhesiveness and good adhesive power.

STRONG GLUE PERLA DI ZURIGO Art. 54191

Glue extracted from animal skins. Pack size 1 - 25 kg. Medium-low adhesiveness and good adhesive power.

STURGEON GLUE Art. 53893

Glue made from the swim bladder of Acipenser sturio. Pack of 100 gr.

FISH GLUE Art. 53891

Glue extracted from fish skins and other refuse. Sheets sensitive to water and little solid due to the low molecular weight. The jelly fish did not shape gels. Pack size 1- 5 - 25 Kg

GLUE PRESERVER Art. 54253

Based Parametil sodium is an effective bactericide and is added in the preparation of organic-based glue. Pack size 100 gr

WAX STICKS

Art. 80653 Pack size 12 pz

Mahogany, Oak, Light walnut, Dark walnut, Medium walnut, Rosewood, Light Pine, Black.

NEUTRAL PULP WAX Art. 80656 Pack size 500 ml

Neutral- yellow- light nut - medium nut - brown nut - mahogany.

NOVOLEGNO Art. 56430 Pack size 1 - 5 lt

Consolidating materials for wood and stone based Paraloid B72 in 10% solution in solvent at low harmfulness (Propylene-Glicometilico).

WOOD



GLUE BINDAN P Art. 80627

Strong adhesive vinyl, water-resistant conforming to norms B3/DIN 608 602, DIN EN 204

Ideal for glue wood on a lot material like paper, canvas, cement, tiles, glass. For bonding happened is transparent. Water-resistant, solvent-free and formaldehyde-free.

LIQUID WOOD FUGENPLAST Art. 80635

To rebuild and fill. Once dried it can be worked like wood (perforated, cut, polished). Available woods: Teak / Walnut / Mahogany / Beech / Ash / Clear. Pack size 420 gr.

THINNER FOR FUGENPLAST Art. 80636

It makes the liquid Fugenplast wood more pliable before processing without altering the speed of drying. Pack size 500 ml.

RABBIT (LAPIN) SKIN GLUE Art. 53921

Glue extracted from animal skins. Pack size 1 - 30 kg. Medium-low adhesiveness and good adhesive power.

VARNISHES - COLOURING - ABRASIVES - PAINT REMOVERS



DEWAXED GUM SHELLAC VARNISH

Art. 64901 Pack size 01 lt

COPPALE RESTAURARTE VARNISH

Art. 64834 Pack size 01 lt

SANDRAC VARNISH RESTAURARTE

Art. 64905 Pack size 01 lt

ALCOHOL BLACK LAQUER RESTAURARTE

Art. 64903

For restoration inlays, lacquers, etc. Pack size 500 ml.

LIQUID BITUMEN RESTAURARTE Art. 64866

Solution of the Jewish bitumen to 20% approx. in turpentine and standoil. Used as an aging agent in addition to the final varnish for paintings or furniture wax. Pack size 250 - 500 ml.

ANILINES SOLUBITY WATER AND ALCOHOL

Art. 80605

Black - Bruno light walnut - Bruno medium walnut - Antique Walnut - Brown Mahogany Red - Red Rosewood - Brown Teak Pack size bags

MORDANTS Pack size Kg 1

Art. 80615 Walnut flakes - Art. 80616 Mahogany powder Art. 80617 Teak powder - Art. 80619 Ebony powder Art. 80620 Rosewood powder

DRAGON'S BLOOD Art. 57491 Pack size 200gr.

Resin derived from the "Calamus Draco Wild" or Calamus. Red amaranth, more or less dark.

GRINT - PAINT REMOVER IN POWDER Art. 57831

Grint is a premixed powder containing only inorganic substance that removes dirt and wet fouling of resins (including alkyd) surfaces of wall hangings and wooden elements. The GRINT acts by softening and disintegrating the layers of paint and dirt. The contact time of the pasta with the support to be cleaned depends on the amount of dirt or paint applied and can vary from 1 to 20 hours. After the removal of dirt or paint, remove the product with a spatula, or with the use of a hard brush. Remove the remaining residue with a wet sponge. The residual alkalinity can be neutralized with acetic acid or 2% citric acid. Allow the surface to dry for at least 24 hours. Yield: One kilogram of GRINT allows stripping of about 1 square meter of surface, with applications of 1.5 mm thickness. Pack size 0.5 - 10 kg

ECOGRINT - VISCOUS PAINT REMOVER Art. 57835

EcoGrint is a viscous compound that contains no chlorinated solvents, toxic or harmful substances, acids, caustic or corrosive. The main features are: slowly evaporates and therefore does not dry, remains moist and active for many hours / days, even in adverse weather conditions (eg. surfaces exposed to the sun, very windy, etc.). Temperature stable, non-flammable, safe on all ferrous metals, aluminum, copper, brass, etc.; excellent on all types of wood, including antiques, marble, stone, glass, etc.; rinse with water. Pack size: 1 - 5 liters.

EXTRA STRONG PAINT REMOVER Art. 57828

Classic paint remover solvent based of gelatinous consistency suitable for all uses of wood and other media. Product to be used with the appropriate safety protections. Pack size 6 Kg.

WOOD WRESTPLANKS Art. 80601/1-21

(min. 3 mm.) Acacia - Maple - Birch - Bois de rose - Yellow Bosso - Chestnut - Cedar - Cherry - Ebony - Larch - Mahogany - Nut - Olive - Olmo - Paduk - Rosewood - Pero - Burl Walnut - Oak - Rate - Violetta - Burr walnut extra - Mahogany Feather.

STEEL WOOL Tiype Italy (for removing paint)

Art. 18924 Pack size 2,5 Kg.

STEEL WOOL Tiype America extra fine 000

Art. 18922 Pack size 5 Kg.

STEEL WOOL Tiype 0000 (to finish)

Art. 18921 Pack size 500 gr. - 6 Kg.

PUMICE STONES Art. 18540

Dimensioni 60 x 90 x 60 mm - various grain

GLASSES FIBRE STICKS

Art. 18521 - 27 Ø 11 - 15 - 20 - 30 mm



VEGETABLE IVORY Art. 80608

Platens irregular shape ø30/50mm x 4/6 mm

MOTHER OF PEARL IN SHEETS 1 - 1,5 - 2 mm

Art. 80603 - 30 x 30 - Art. 80604 - 40 x 40 mm

SANDPAPER IN ROLL

Art. 18565 grana 120 o 180 - 12 cm x 50mt

SANDPAPER in wettable sheets

Art. 18562 grana 100 - 120 - dim. 230 x 280 mm

Art. 18563 grana 150 - 1200 - dim. 230 x 280 mm

CELLULOSE SPONGES

Art. 18851 140 x 100 x 35 mm

Art. 18852 120 x 90 x 50 mm - forma ergonomica

SEA NATURAL SPONGES Art. 18821 Dim. 6.0 - 6.5 "

ANOXIC DISINFESTATION

NITREX SYSTEMS

DISINFESTATION ANOXIC FOR WOOD - PAPER - FABRICS - ETHNOGRAPHIC MATERIALS



The anaerobic system, to prevent the growth of mold and insects, has been adopted by nearly a decade, in the "conservation" and disinfection of works of art, especially for wood and paper. The first experiments and first applications, treatment with virtually no oxygen in the atmosphere, were carried out by "The Getty Conservation Institute," "J. Paul Getty Museum" and "Canadian Conservation Institute". These studies have shown that a long exposure to the atmosphere, with an oxygen content in the range of 0-1%, eliminates the insects and larvae.

In particular the system Nitrex is composed of:

- Unit for the production of nitrogen operating at 220 Volt single-phase
- Humidifier tank with Art 32065/40
- Heat-sealable pliers to seal the film (Art. 32040/TEFLO).
- Film in reel or in prepackaged bags (for books and small objects) oxygen tight for the realization of flexible container, film permeability to 0% (Art. 32039/ EVOH transparent or Art.32038 aluminized).
- Chemical oxygen absorber: to ensure a complete lack of oxygen inside the container during treatment (Art. 32043/ATCO).
- Digital mesurer of residual oxygen present in the lot



NITREX NITROGEN GENERATOR

Inert independent gas generation System (nitrogen), based on the principle of the molecular sieve filters.

ART.	FLOW RATE	DIMENSIONS	WEIGHT
32063/1000	950 lt/h (to 99,5%)	500x500x h 850 mm	70 Kg
32063/240	240 lt/h (to 99,5%)	450x400x h 500 mm	30 Kg



Art. 32063/1000

BUBBLE NITREX Art.32046/8

Practical system for the application of the system of disinfection anoxic, consists in a tent made of a material with high thickness transparent supported by internal frame in aluminum and fitted with a practical and functional watertight sealing of gas. The standard dimensions are 200x200x200 cm but can be made to measure in any other size and shape.



NITREX 05 D - NITROGEN GENERATOR Art. 32060

NITREX is a method of on-site nitrogen generation. The nitrogen generators are based on hollow fibre membrane technology, which make it possible to separate air into nitrogen and an oxygen-enriched stream. The degree of purity of the generated nitrogen is adjustable up to 99.9%

Requires tank with flow meter Art. 32065/50.

Nitrogen production capacity:	1080 lt/h (at 99,5%)
Maximum operating pressure:	3 bar
Voltage/frequency:	230 V / 50Hz
Power:	900 W
Noise Lvel:	< 58 dB(A)
Dimensions/Weight:	900x310x h700 mm / 92,5 Kg



HUMIDIFIER SYSTEM FOR NITREX Art. 32065/50

Consisting of 50 liter tank mounted vertically and group flushing with gas bubbling humidifier. On request with 200-300 liters tank.

DISINFECTION IN INERT ATMOSPHERE



TRANSPARENT POLY-BARRIER FILM EVOH Art. 32039/EVOH

For "bags" for treatment to modified atmosphere NITREX. Films with special qualities of flexibility, transparency and resistance in addition to excellent seal to oxygen and water vapor. It is made of multi-layer co-extrusion with the polyester outer intermediate layer EVOH and the interior polyethylene. EVOH is a derivative from ethyl vinyl alcohol. Oxygen permeability: 0.5 cc/m²24h 1 bar
Reel: 100 mt x height 1500 mm. Weight: 150 gr / sqm.

ALUMINIUM POLY-BARRIER FILM Art. 32038

Aluminized polyester film coupled with Valeron Photo Black used to create vacuum-sealed bags designed to hold books, newspapers, etc.. It prevents the growth of fungus or mold inside. Height 1600 mm. Bob. 250 mt. Weight 123 gr / sqm. Oxygen permeability: (test at 0% RH 23 ° C) <0.25 / 0.30 cc / mq.d.atm



SEAL TONG FOR THERMOPLASTIC FILM Art. 32040/TEFLO

Pliers for heat-sealable film polibarrera with Teflon rods. Allows to vacuum seal bags and Nitrex system. Jaws 30 cm. Temperature adjustable from 0 to 250 ° C. Power supply: 220V - Power 350W - Weight 1500 gr.

SEAL TONG FOR THERMOPLASTIC FILM Art. 32040 without Teflon



INLET OUTLET GAS VALVE Art. 32047

Nylon valve with silicon gasket. Design purposely studied. Assembling by hand without aid of tools. For all types of barrier film.



Art. 32041/PRO

PORTABLE OXYGEN MONITOR Art. 32041/PRO

Temperature indicator and % oxygen concentration on dual LCD display, 2-point calibration measurement, measures function partial pressure of oxygen, % remaining probe life. Probe equipped with a T-fitting for connection systems NITREX. Resolution ± 0.1% O₂; ± 1 hPa, ± 0.2 ° C Sensor life: > 1 Year Battery 9V Size 142x71x26 mm - Weight 300 gr.

Art. 32041/USB INTERFACE USB

Art. 32041/SOFT DATA SOFTWARE

PC viewing and data storage.



Art. 32041/ECO

DIGITAL OXYGEN MONITOR Art. 32041/ECO

Resolution .0.1%
Battery 9V
Dim. 106x67x30 mm
Weight 185 gr.
Oxygen electrode equipped with T gas connector



CHEMICAL OXYGEN SCAVENGER ATCO

Art. 32043/1000 Absorbs 1 liters of oxygen. Air volume 5 liters Pack 50 pz
ATCO is specifically designed for use museums and for the disinfection of works of art and their conservation. It can be used in either wet or dry microatmosphere. It is composed of ingredients without any toxicity and packaged in a material that complies with the standards for food contact (much more restrictive than others.). **Bibliography:** Application de l'absorbant d'oxygène ATCO dans les musées, bibliothèques et archives. Standa Industries. In: la Lettre de l'OCIM, n. 60 1998, pag. 29-3

ANTI-WOODWORM - INSECTS MONITORING

XIREIN - ANTIWOODWORM Art. 59215

Medical Surgical Device - Aut. N° 18719 of Ministry of Health

With Xirein we have not only solved the problem of having a protective woodworm effectively, using the active ingredient permethrina, but also practically non-toxic to humans (Xirein not contain endosulfuro, lindane or DDT). The solvent of the Xirein allows to spread the active principle in an optimal way in order to have an effective penetration into the wood (in 24 hours, for capillarity, Xirein can penetrate into the wood for more than 50 cm) and is not toxic to humans (absence of dangerous substances included in the list of the American Govern Conf. hygenist Industrial also recognized by the Italians Hygienists. Absence of hazardous compounds listed among those of the DM3.12.1985).



PROFESSIONAL PRODUCT
GUARANTEED BY BRAND
QUALITY RESTORATION

Available in packs of 1 - 5 - 25 liters

- It is colorless and odorless, does not alter the fabric and paper coatings;
- Stabilizes the wood, reducing the absorption of moisture and withdrawal in dry weather;
- Protects the wood from bacteria, fungi, algae;
- Is effective against wood-boring insects such as woodworm (Anobium punctatum); Capricorn houses (Hylotrupes bajulus); lictus (Lyctus brunneus), wood wasp (Sirex gigas), termites, etc.;
- To prevent further infestation;
- Treated wood shall be painted;
- Does not attack most of the existing paint;
- Does not degrade in the light;
- Non-corrosive to metals;
- Do not let the media anointed;
- conforms to 21-CFR-178.3910 of the FDA (Food and Drug Administration, USA), relating to wood preservatives;
- Exceeds the European Standard UNI EN n° 22 for the control of the larvae and the UNI EN No. 46 on the prevention of the larvae.

WOOD

MONITORING TRAP FOR CRAWLING INSECTS Art.60034 Adhesive trap for crawling insects (silver fish etc.). System for monitoring and detecting the entity of crawling insects in museums, galleries, private collections. Completely free from insecticides. Consists of corrugated plastic material (also suitable for wet areas) and a tablet attraction. Dim.: 200x100xh25mm. Pack size 10 pieces.



PHEROMONE TRAPS FOR MONITORING FLYING INSECTS

Trap for monitoring of Anobiidi (pack size 10 pieces)
Art.60035 LASIO Lasioderma serricorne - Tobacco Anobio
Art. 60035 STEGO (Stegobium paniceum - Bread Anobio)
Art.60035 ADE Adhesive cardstock sticker

Trap consists of: 1 adhesive cardboard - 1 pheromone dispenser.
1 metal wire for positioning. Dim.135x120x h 200 mm.



MONITORING LAMP FOR FLYING INSECTS WITH ADHESIVE PLATE

Art.60040 Wall version - Art.60040/SUPP Version with stand

Particularly suitable for installation in vaults, archives, laboratories, thanks to the adhesive pad that allows you to capture flying insects without defragment, and then without the risk of any contamination. Lamp made of galvanized steel painted with epoxy powders. Stand made of black anodized aluminum with base with three arms foldable for transport, adjustable from 100 to 280 cm Item attractive: BL 15W fluorescent tube. Action Area: 40 sqm. Double-sided panel dimensions: 450 x 150 mm. Bonding capacity: guaranteed ≥ 60 days, exposure to UV rays.



DISINFECTANTS - INSECTICIDES



DOBOL FUMIGATOR Art. 60025

Medical and Surgical Presidium Ministry of Health Register n. 18936

Diffuser reactive action insecticide for the disinfection environments. The water-reactive reaction is not dangerous and therefore also suitable for particular environments where systems are not usable fumigants classic flame, moreover the product is freed pure and there are no by-products due to combustion. Active on flying and crawling insects. The action fumigant penetrates into all the crevices. Fast-acting and durable pest against environmental, wood, carpet, carpets, clothes and so on. Its distribution does not cause any spot or deposit in the objects (paintings, books, textiles, electrical or computer, etc..). Composition: Cyphenothrin pure + coformulants.

ART.	PACKAGE	FLYING INSECTS	SLITHERING/ACARI INSECTS
60027	20 gr	350 m ³	150 m ³
60026	100 gr	1700 m ³	800 m ³



FUMISPORE OPP Art. 60028

Medical and Surgical Presidium Ministry of Health Register n. 19238

Orthophenyl disinfectant to destroy bacteria and mold (Aspergillus, Salmonella, Penicillium, Listeria, etc.). Present on surfaces, walls and in the air of the premises used for storage. The orthophenyl enables effective destructive action against molds, yeasts and bacteria present in the air and on surfaces. In addition, toxicological data indicate that the product, used as directed, does not involve any risk to persons. Composition: Orthophenyl 10% + excipients smoke.

ART.	PACKAGE	FIRST ATTACK	MAINTENANCE
60028/15-30	15 gr	15 m ³	30 m ³
60028/5-1	500 gr	500 m ³	1000 m ³



COPYR-SMOKE® Art. 60031

Medical and Surgical Presidium Ministry of Health Register n. 15395

Fumigant insecticide for professional use, for the disinfection of the premises. Particularly suitable for not easy space. Pack of 31 g. COPYR-SMOKE is formulated with a special blend of fuel that burns without flame, producing copious and dense white fumes of Permethrin that no leaving residual odors. Composition: 100 g of product contains Permethrin 25/75 cis-transg 13.5 gr.



AEROSOL AUTOMATIC DISPENSING

Spray insecticide for treatments against indoor crawling and flying insects, infesting wood under flickering (for wood artefacts using liquid impregnating agents based permethrin type XIREIN).

SOLFAC AUTOMATIC FORTE® Art. 60033

Medical and Surgical Presidium Ministry of Health Register n. 15862

Pack size. 150 cc. Active principle Ciflutrin 0,1%.

TETRASOL Art. 60032

Medical and Surgical Presidium Ministry of Health Register n. 16317

Pack size. 150 cc. Active principle Tetrametrina 2%.



ENCAPSULED CONCENTRATED PERMETHRIN INSECTICIDE Art.60024

Medical and Surgical Presidium Ministry of Health Register n. 12695.

Concentrated insecticide based on microencapsulated 100% permethrin with slow and steady release. Effective against crawling and flying insects.

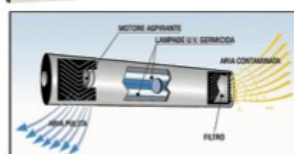
Pack size. 1 lt.



SPECTRAL UV-C Art. 60047/100

AIR DISINFECTION SYSTEM FOR INDOOR

System of forced aspiration and expulsion of air microbiologically pure (99.96%) which includes dust filter, fan noise (29 dB), germicidal mercury vapor lamp at UV-C radiation and hour meter. Effective against viruses, bacteria and spores. Capacity 100 m³/hour. UV-C lamps 2x15Watt. Wave Length 253.7 nm. Dimensioni 100 x 18 x 8 cm.



WOOD WORKING

COMBINED WOODWORKING MACHINE 6 FUNCTIONS Art. 80685/K300



Art. 80685/K300

Equipped with three-phase motors (3Hp-2,25KW) 380 Volt. Dimensions 3200x3300x1500 h mm. Weight 445 Kg.

- Planing planer: planing width 300X1500 mm - Prof. adjustable pass from 0 to 4 mm.
- Thickness planer: 300 mm planing width.
- Height of passage from 4 to 220 mm.
- Circular saw: blade \varnothing 250 mm, max depth cut 90 ° adjustable 0 - 80 mm - incl. 0-45 °.
- Toupie (vertical milling machine): useful shaft height 105 mm. Shaft diameter 30 mm; table dimension 220 x 1000 mm.
- Mortising unit : longitudinal stroke 200 mm - trasversal stroke 100 mm. - vertical stroke 90 mm. - 16 mm churck \varnothing .
- Cutting carriage: max stroke 8500 mm. - dim. carriage 1000 x 290 mm.

DUST COLLECTOR WOOD CHIPS Art. 80686



Art. 80686

Wheeled aspirator for chippings and sawdust suitable for all woodworking machines (combined, circular, planes or wire thickness, etc.). Supplied suction hose \varnothing 100x2500mm

Air flow:	900 m ³ /h
Depression max:	1,600 Pa
Inlet size:	\varnothing 100 mm
filter aerea :	1 m ²
Filtration rate:	L category
Capacity:	65 lt
Engine:	single-phase 220-240 Volt. 50 Hz.
Power:	550 Watt
Dimensions:	830 x 450 x 1600 mm
Weight:	22 kg.

PLANER SURFACE/THICKNESSER PROFESSIONAL

Art. 80698/FS



Art. 80698/FS

Simple conversion from surface planer to bench thicknesser without tools. Planing width 330 mm., height 160 mm.

Engine:	230 V 50 Hz
Power:	2.200 W
Revolutions of blade shaft:	6500 /min
Dimensions :	1100x620xh960 mm
Weight:	71 Kg.

PLANER THICKNESSER PROFESSIONAL Art. 80698/SPESS



Art. 80698/SPESS

Ideal for mobile use due to low weight
Planing width 330 mm., height 152 mm.

Engine:	230 V 50 Hz
Power:	1.800 W
Revolutions of blade shaft:	9800 /min
Dimensions :	580x860xh580 mm
Weight:	35 Kg.

PROFESSIONAL TABLE SAW Art. 80692/C2.0



Art. 80692/C2.0

Saw blade diam:	3150 mm - 2000 W METABO
Rated input power:	2000 W 230V 50Hz
No-load speed :	2.980 min
Saw blade swivel range :	0/+45°
Saw blade:	315 mm
Blade:	Widia 24 supplied teeth
Dimensions:	1650x650xh1000 mm
Weight:	62 kg

WOOD WORKING



Art. 80690/TRONC

BENCH CIRCULAR SAW & MITRE SAW Art. 80690/TRONC

Based on a rotating disk in die-cast aluminum, adjustable in spurts, beat of the piece, aluminum bench for longitudinal cutting with scale to measure longitudinal, suction nozzle, chip collection bag, suction, tube, Y-piece, extension tube for industrial extraction plant, induction motor, measure the workpiece mitre, HW saw blade, push stick, assembly tools for blade change.

Diameter blade:	250 mm
Cutting capacity:	150 x 50 h mm
Rpm blade:	4500
Inclination plans:	2x45°
Inclination machine:	1x45°
Dimensions table:	410 x 280 mm
Dimensions :	470 x 460 x 580 mm
Weight:	18 Kg



Art. 80680

UNIVERSAL FRETSAW MACHINE Art. 80680

Professional fretwork with 76 interchangeable blades 130mm for wood, plastic and metal. Equipped with an innovative system of fixing and tensioning of the blade which allows for great precision and ensures a clean cut without burrs. A special air jet releases the blade from sawdust allowing a better accuracy in the cutting path. The fretwork also ensures great safety in use and is not dangerous for the operator. They are available as an option on the foot control Art. 80681, stop-piece adjustable Art. 80682 Tripod support (h. 873 mm, weight 11 Kg) Art. 80683.

SPECIFICAIONS

Throat:	460 mm
Cutting height:	65 mm
Cutting plane:	inclinable 45°/15°
Dimensions (LxPxH):	610 x 280 x 340 mm
Weight:	19 Kg
Power:	220 V, 100 W, 1400 rpm.



Art. 80695

SANDING BELT Art. 80695

Grinding length with 530 mm double suction, suction with single life. Dimensions of sanding table adjustable in height and depth. 520x260 mm.

Tape speed	14.6 m / s.
Size of the tape	150x1600 mm.
Asynchronous Motor	220 V 1.3 Kw.
Weight	53 kg
Overall dimensions:	960x450x310 mm



Art. 80691

VERTICAL DISK BELT SANDER Art. 80691

Diameter disk:	300 mm.
Dimensions table:	520x260 mm
Inclined plane:	45°
Engine:	220 V 50 Hz 500 W
Speedy:	1400 giri/min
Weight:	25 Kg.



Art. 80699/AFFIL

WET DRY BENCH GRINDER Art. 80699/AFFIL

Base stable steel painted, anti-engine protection, corundum grinding wheel, power cable with schuko plug.

Wet grinding wheel:	120 rpm - Ø 200 x 40 x 12 mm
Motor:	230 V 50 Hz 120 W
Weight:	10 kg

WOOD WORKING

DRILLS PRESS WITH DRIVE BELT

Drills press with angle adjustment (only Art.80696/BANC), height adjust-able and tilting cast iron table top, solid base plate, machined extension arm, adjustable drilling depth stop with scale, chuck guard, quick lock chuck.



Art. 80696/BANC



Art. 80696/TRAP



DRILL PRESS WITH DRIVE BELT BENCH SUPPORT 5 SPEEDS

Art. 8069/BANC

Chuck sizes:	Ø 2-16 mm
Spindle travel:	80 mm
Height:	1000 mm
Distance spindle axis - column surface:	430 mm
Radial displacement:	280 mm
TRound table:	Ø 305 mm
Head inclination:	90° Sx / 45° Dx .
Quill:	Ø 40 mm
Column:	Ø 70 mm
Distance between spindle nose and base:	670 mm
Speed:	(5) 500 ÷ 2450 rpm
Motor:	230 V 50 Hz 0,55 kW
Weight:	57 kg

DRILL PRESS WITH DRIVE BELT BENCH SUPPORT, 12 SPEEDS

Art. 8069/BFISS

Chuck sizes:	Ø 2-16 mm
Spindle travel:	80 mm
Height:	990 mm
Distance spindle axis - column surface:	430 mm
TRound table:	Ø 290 mm
Quill:	Ø 40 mm
Column:	Ø 72 mm
Distance between spindle nose and base:	160 mm
Speed:	(12) 280 ÷ 2380 rpm
Motor:	230 V 50 Hz 0,65 kW
Weight:	51 kg

FLOOR DRILL PRESS WITH DRIVE BELT 12 SPEEDS

Art. 80696/TRAP

Chuck sizes:	Ø 2-16 mm B16 CM/MT 2
Spindle travel:	80 mm
Height:	1630 mm
Table dim.:	290 x 290 mm
Distance spindle axis - column surface:	178 mm
Distance between spindle nose and base:	1170 mm
Quill/ Column:	Ø 47 mm; Ø 80 mm
Speeds:	(12) 180 ÷ 2740 rpm
Motor:	230 V 50 Hz 0,75 kW
Weight:	63 kg

WOOD BELT SAW ADJUSTABLE SPEED WITH GROUND BASE

Art. 80699/3

Compact structure, anti-torsion frame in epoxy powder coated steel, cutting height 155 mm. Supplied with Ø 100 mm suction pipe.

Engine: single-phase	230 V 900 W
Bench dimensions:	560x400 mm
Plan inclination:	0 - 45°
Length blade:	2240 mm
Blade width:	3/15 mm
Blade included:	2240x16x0,65mm T4
Cutting speeds:	adjustable 410/880 m/min
Dimensions :	665x980xh1600mm
Weight:	79 Kg.

WOOD WORKING



Art. 19439/14,4

PROFESSIONAL CORDLESS DRIVER DRILL 14,4V Art. 19439/14,4

INCLUDES: 2 Ea. 14.4 V Li-Ion Battery; Universal Charger; Plastic tool case
 Capacity mm: Steel Ø10 Wood Ø 20
 No Load RPM: 0÷400 ;0÷1500
 Power consumption: 14,4
 Batteries: Li-Ion 2 AhV
 Weight: 1,2 Kg



Art. 19434/M650

PROFESSIONAL DRILL 650 W Art. 19434/M650

Professional light and ergonomic drill.
 Reversible electronic speed regulation.
 Capacity hole: Ø 30 mm wood; Ø 13 mm metal
 Power consumption: 65W
 Max speed rpm: 0/2800
 Keyless chuck: 13 mm
 Weight: 1.8 Kg
 Included Accessories: Keyless chuck and case



Art. 806892/CIRC

HAND-HELD CIRCULAR PROFESSIONAL SAW Art. 80692/CIRC

Blade diam: 160 mm
 Power: 1200 W 230V 50Hz
 No load stroke rate: 5.600 min
 Weight: 4 kg
 Cable lenght: 4 m
 Stroke height: 23,0 mm
 Angular cuts: 0/+47°
 Cutting performance: 55 mm



Art. 80688/FRESA

VERTICAL DIE GRINDER Art. 80688/FRESA

Die grinder suitable for every works.
 It may be used until 50 mm depth.
 Rpm: 10.000/22.000
 Caliper tool clamping: Ø 8 mm
 Power supply: 230V-50Hz
 Power: 1.000 W
 Weight: 2.7 Kg.



Art. 80698/PIALL

PROFESSIONAL ELECTRIC PLANE Art. 80698/PIALL

Planing width: 82 mm
 Battling depth: 9 mm
 Power supply: 620V/50Hz
 Power: 17000 Watt
 Free nominal speed: 2000 g/min
 Weight: 2,7 Kg



Art. 80687/LEVIG

ORBITAL HANDLE BELT SANDER Art. 80687/LEVIG

Power: 190 W
 Free nominal speed: 7.000 – 12.000 giri/min
 Free oscillations: 14000–24000 giri/min-Ø: 2 mm
 Weight: 1.7 kg.



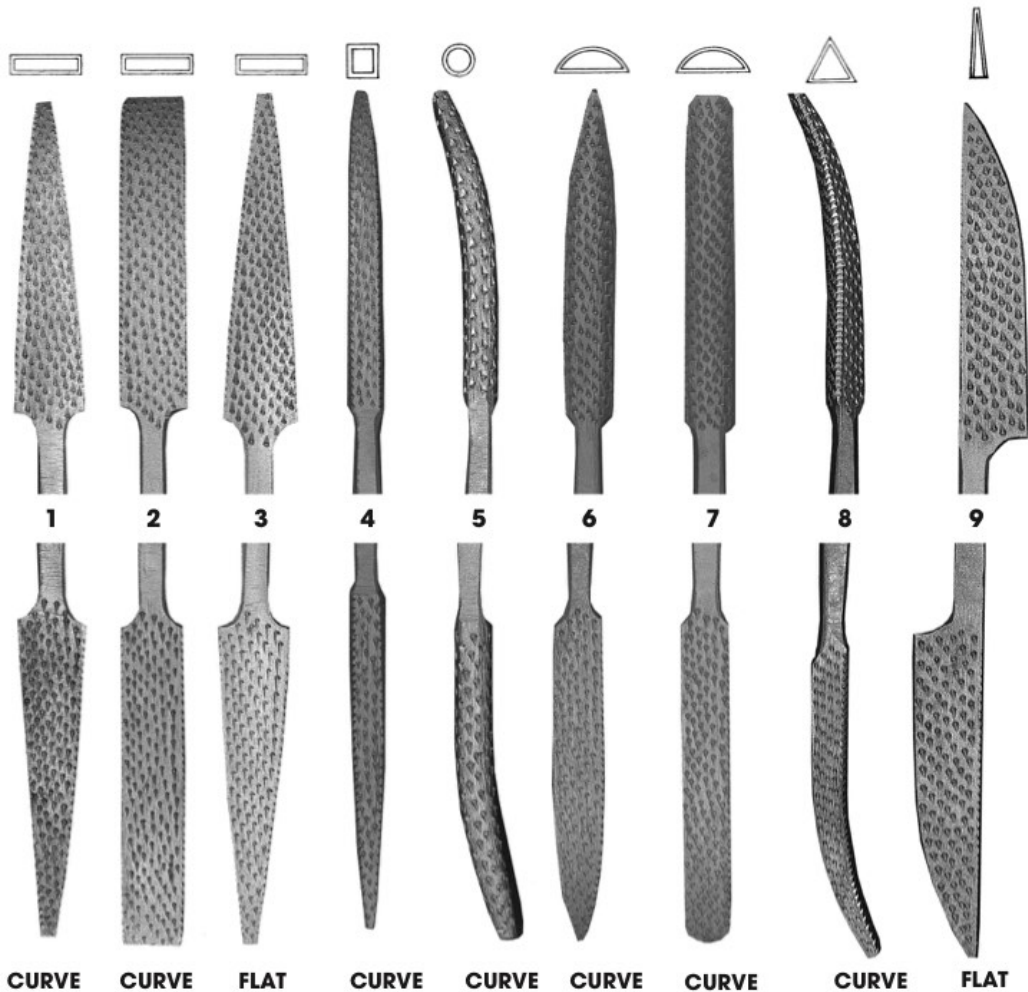
Art. 80692/SEGH

PROFESSIONAL JIGSAW 750w Art. 80692/SEGH

Power: 750 W 230V 50Hz
 No load stroke rate : 1.000-3.100 min
 Weight: 2,50 kg
 Cable lenght: 4 m
 Stroke height: 23,0 mm
 Angular cuts : -45°/+45°

WOOD WORKING

SCULPTURE/RESTORATION RASPS Art.15211/..Length 200 mm



WOOD



ELECTRIC CARVING MACHINE

Art. 80684

The machine will take robust roughing out cuts but will easily adjust to produce the finest of detailed work.

The Bordet machine is suitable for wood, stone and metal and also for sculptures, modelling, instrument making and engraving. Vibrating tool carrier phase.

Asynchronous single-phase 230 V or three-phase 230-380 V.

PROFESSIONAL CARPENTER BENCHES

Art. 81337 Feet in solid beech wood 110x70 mm. Bottom of caisson. Lateral press with double guide. Solid top beech wood, 70 mm. Drawer. Size: 150 x 50 x 82 (h) cm. Weight 80 Kg. Delivered disassembled.

Art. 81338 Feet in solid beech wood 110x70 mm. Bottom of caisson. Automatic frontal press. Lateral press with double guide. Solid top beech wood, 70 mm. Toolbox and drawer. Size: 200 x 60 x 82 (h) cm. Weight 98 Kg. Delivered disassembled.

GOUGES

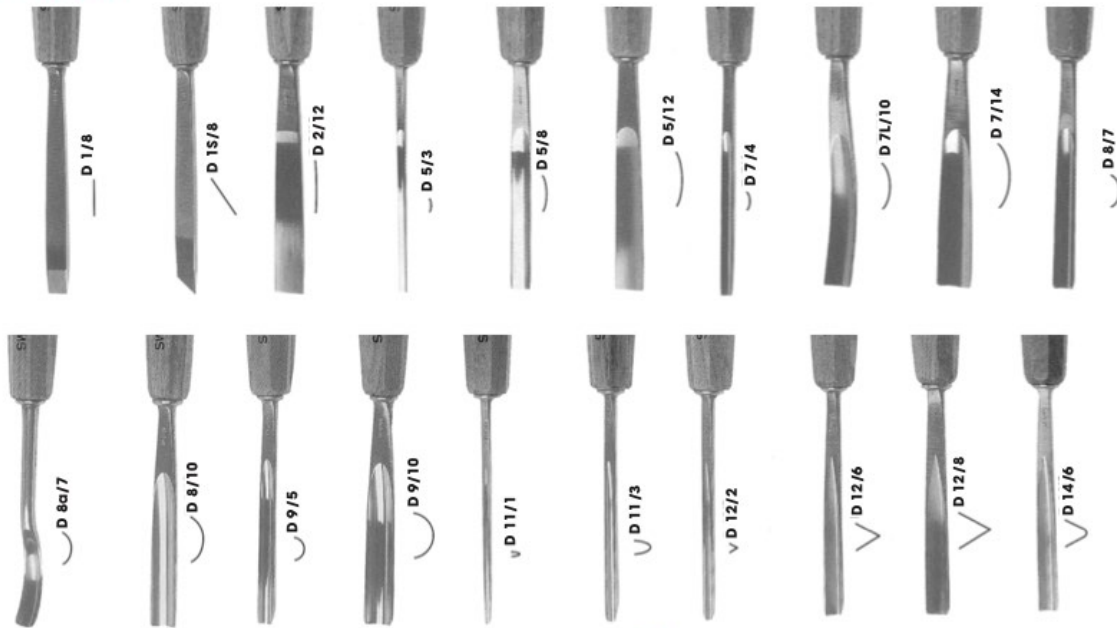


GOUGE SET 6 PIECES Art. 15351
6 pieces set with wood handle
D1/8 - D 1S/8 - D5/8 - D8/7 - D11/1 - D12/2



GOUGE BOX 18 PIECES Art. 15352
Set 18 pieces wood handle, wood box with division and handle.
D1/8 - D 1S/8 - D2/12 - D5/3 - D5/8 - D5/12 - D7/4 - D7L/10 - D7/14 - D8/7 - D8a/7 - D8/10 - D9/5 - D9/10 - D11/1 - D11/3 - D12/2 - D12/8.

GOUGES Art. 15356 ./.



WOOD

ASH WOOD MALLET Art. 15358
Ø 80 mm - weight 450 gr. - length 300 mm.



PROFESSIONAL CHISELS Art. 15359/..
In chrome-vanadium steel with wooden handle.
Cutting angle 25°.

width	length	width	length
4 mm	260 mm	19 mm	270 mm
6 mm	260 mm	20 mm	270 mm
10 mm	260 mm	26 mm	280 mm
12 mm	265 mm	30 mm	280 mm
16 mm	265 mm	32 mm	280 mm



JAPANESE SAWS, Art.15376/SET
Set of 3 Japanese Saws, also sold individually, canvas saw case
N°1 **Ryoba** (art.15376/Ry25) Blade 250x50x0,5mm. Kerf 0.7 mm
N°1 **Dozuki** (art.15376/DO24) Blade 240x50x0.3mm. Kerf 0.45 mm
N°1 **Kataba** (art.15376/KA25) Blade 250x60x0.5mm. Kerf 0.75 mm



GOUGES

PROFESSIONALS GOUGES Art. 15357-./.



Fig. 1 (da 2 a 35 mm) Fig. 1S (da 2 a 35 mm) Fig. 1e (da 2 a 35 mm) Fig. 1Se (da 2 a 35 mm)

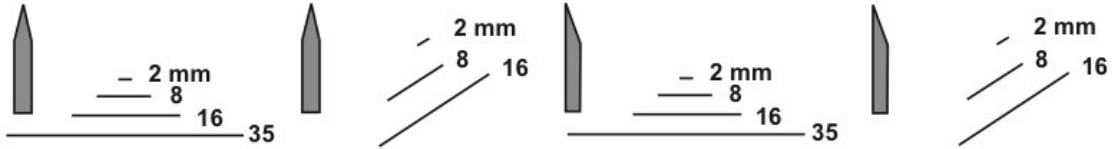


Fig. 2 (da 2 a 35 mm) Fig. 3 (da 2 a 35 mm) Fig. 5 (da 2 a 35 mm)



Fig. 7 (da 2 a 35 mm) Fig. 8 (da 2 a 35 mm) Fig. 9 (da 2 a 35 mm) Fig. 11 (da 0,5 a 30 mm)

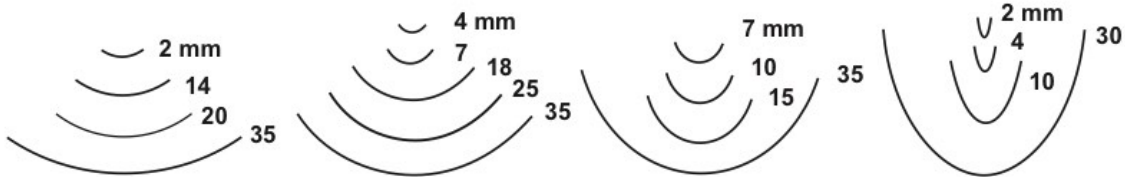


Fig. 12 (da 1 a 20 mm) Fig. 13 (da 1 a 30 mm) Fig. 14 (da 4 a 20 mm) Fig. 15 Fig. 16

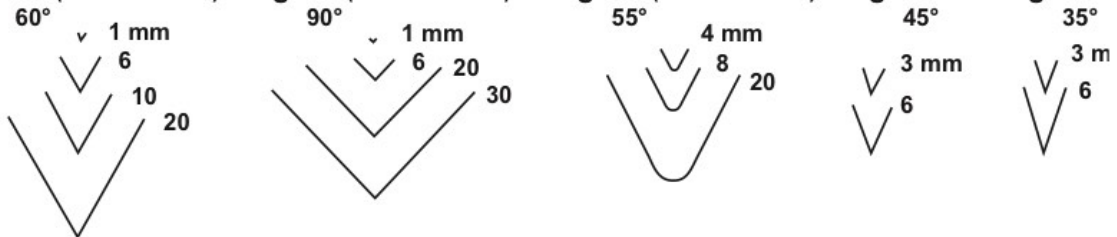
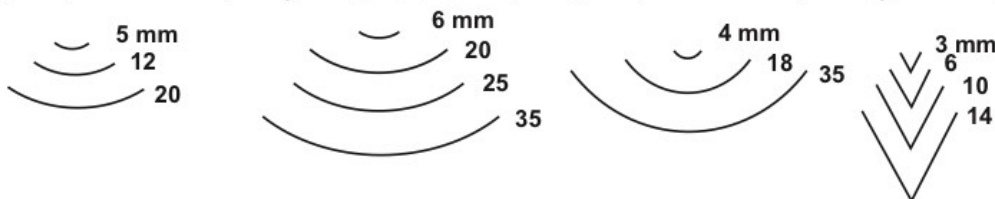


Fig. 5L (da 5 a 20 mm) Fig. 7L (da 6 a 35 mm) Fig. 8L (da 4 a 35 mm) Fig. 12L - 60°



WOOD

GOUGES

PROFESSIONALS GOUGES Art. 15357-./.



Fig. 1a (da 3 a 20 mm) Fig. 2a (da 1 a 25 mm)

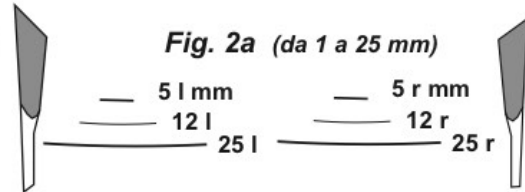
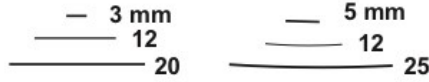


Fig. 3a (da 3 a 25 mm) Fig. 5a (da 3 a 25 mm)

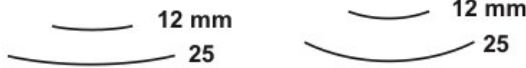


Fig. 7a (da 4 a 30 mm)



Fig. 8a (da 3 a 25 mm)



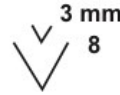
Fig. 9a (da 3 a 20 mm)



Fig. 11a (da 2 a 10 mm)



Fig. 12a



PROFESSIONALS GOUGES SET 12 PIECES

Art. 15353

Set 12 pieces wood handle. Rolled case in synthetic skin. 1/8 - 1S/8 - 5/8 - 5/20 - 7/6 - 7/14 - 7L/20 - 8/4 - 8a/10 - 9/10 - 11/3 - 12/6.



PROFESSIONALS GOUGES SET 25 PIECES

Art. 15354

Set 18 pieces wood handle. Rolled case in synthetic skin with wood handle, mullet Ø 80 mm, oil, 02 stones Arkansas, knife e 20 gouges: 1/16 - 1S/16 - 2/20 - 3/3 - 3/12 - 3/25 - 5/35 - 7/20 - 8/7 - 8/18 - 8/25 - 9/7 - 8a/18 - 9/15 - 7L/25 - 11/2 - 11/10 - 15/3 - 12/10 - 14/8.



PROFESSIONAL GOUGE SET 25 PIECES Art. 15355

Endowment as a set of 25 Art.15354 wood box with division and handle.

SHARPENING STONE

Art. 14195 Natural stone to double grain in wooden case. Dim. 20x50x150 mm.



Art. 14195

SHARPENING OR. ARKANSAS

Art. 14196 Natural sharpening Arkansas wood case. Rectangular section. Dim. 40x100 mm.



Art. 14196

SHARPENING OR. ARKANSAS

Art. 14197 Natural sharpening Arkansas section knife. Weight 80 gr.



Art. 14197

SHARPENING OIL

Art. 14198 Pack size 125 ml.

WOOD

WOODEN TOOLS



WOOD SCRAPER Art. 15225
Scraper with curved handles.
Length 250 mm Iron width 52



HAMMER
Art. 15385 Weight gr 100
Art. 15386 Weight gr 200
Art. 15387 Weight gr 500



VENEER HAMMER
Art. 15398 With wood handle.
Weight gr 400



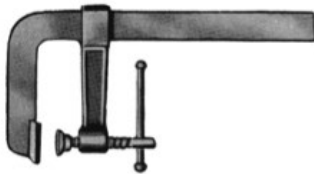
WOOD PLANE Art. 15360
Wood plane for double irons
with reported slab and horn.
For irons 45 mm



HANDSAW FOR WOOD
Saw in polished steel blade.
Art. 15365 Blade length 300 mm
Art. 15367 Blade length 400 mm
Art. 15369 Blade length 500 mm



BACKSAW Art. 15373
Length 300 mm fine teeth



CLAMPS
In forged steel
with rotary plate.
Art. 15391 Opening 250 mm
Useful length of jaws 80 mm
Art. 15393 Opening 500 mm
Useful length of jaws 100 mm



SQUARE Art. 71753
Heavy type with wooden base
and brass stiffener.
Length gradation 300 mm.



BAND CLAMP Art. 15388
Tape length 700 cm. complete with
4 corner inserts. Winding me-
chanism with crank and automatic
locking during tightening.

WOOD



NAIL PULLER FOR UPHOLSTERS Art. 15395
In steel with acetate handle. Blade length 100
mm. Weight 128 gr.



NAIL PULLER FOR SELLERINE Art. 15396
In steel with acetate handle. Blade length
80 mm. Weight 116 gr.

FIBERGLASS SCREWS MOD. QUARTANA Art. 39235/..
Screws in fiberglass PA 6.6 (60% GLASS FIBRE) for resto-
ration of wood. Not oxidize. Avoid problems of condense.
They can always be easily removed. Unalterable.
Available in diameters from 4 to 6 mm and length 80
mm max. With hexagonal head, countersunk Phillips
and Phillips cylindrical. The screws are easily cut to the
desired length and require hole screwing. Have been
developed for the restoration of the big wooden model
of Milan Cathedral.



CLAMPING

RATCHET CLAMP 50 Art. 15519

Clamp quick-clamping with ratchet in ABS.
To accomplish clampings of precision without damaging the piece. To compress the pieces with double clamping force than conventional spring-loaded terminals. Movable jaws that do not damage the workpiece material, with double groove for cross-clamping of round materials. Rugged special plastic reinforced with fiberglass. Anti-slip on the handles. Capacity clamping 0-50 mm. Weight gr. 277



RATCHET CLAMP 30 Art. 15517 (conf. 2 pezzi)

Mini-clamping clamps for fast, but gentle in ABS
Arms angled for optimal application of force and obtain maximum capacity. The movable jaws are suitable for all surfaces. The piece is unlocked simply by pressing a button, so you work quickly and without problems. Capacity clamping 0-30 mm. Weight gr. 75

LARGE SPRING CLAMP 60 Art. 15515

Large movable jaws of ABS.
Max capacity clamping 60 mm
Weight gr. 131



SPRING CLAMP TIP 70 Art. 15511

Terminal ABS with long arms and sharp for optimum clampings in tight spaces inaccessible.
Max capacity clamping 60 mm
Weight gr. 215



SPRING CLAMPS 30 Art. 15513

Set 4 pieces in ABS.
Depth grip max 30 mm. Weight gr. 19

SPRING CLAMP TIP 60 Art. 15509

Set 2 pieces in ABS.
Jaws made in plastic for a soft grip.
Depth grip max 60 mm
Weight 64 gr



ONE HOLD CLAMP OPENING 450 MM

Art.15512 Reversing the jaws to work instead of clamping pressure.



BELT CLAMP WITH RATCHET

Art. 15533 For use with one hand

The ideal clamping aid for gluing picture frames, furniture, shelves and other workpieces.
To secure barrels, buckets, packages, cartons, bales etc. Tension infinitely adjustable via eccentric lever.
With a 4 m extremely wear-resistant nylon strap, 4 plastic jaws and spindle with trapezoidal thread for tight and secure tensioning.



BELT CLAMP Art. 15531

The ideal clamping aid for gluing picture frames, furniture, shelves and other workpieces. To secure barrels, buckets, packages, cartons, bales etc. Tension infinitely adjustable via eccentric lever. With a 4 m extremely wear-resistant nylon strap, 4 plastic jaws and spindle with trapezoidal thread for tight and secure tensioning.



WOOD

GOLD AND SILVER

GOLD LEAF

Size: 80 x 80 mm. Pack size: book 25 leaves.

Article	Description	Fineness
69135	GOLD 24 Kt	999.9/1000
69129	GOLD 23 ¾ Kt	990/1000
69192	GOLD 23 ½ Kt	980/1000
69198	GOLD 23 Kt	960/1000
69193	GOLD 23 Kt ORANGE	960/1000
69130	GOLD 22 Kt	917/1000
69141	GOLD 22 Kt RED	917/1000
69195	GOLD 18 Kt GREEN	750/1000
69137	GOLD 12 Kt WHITE	500/1000



GOLD TRANSFER LEAF

Gold leaf applied on vellum paper. Size: 80 x 80 mm. Pack size: book 25 leaves.

GILDING

Article	Description	Fineness
69136	GOLD 24 Kt	999.9/1000
69129/DEC	GOLD 23 ¾ Kt	990/1000
69131	GOLD 22 Kt	917/1000
69139	GOLD 12 Kt WHITE	500/1000 (85 x 85 mm)

GOLD ROLL TRANSFER

Gold roll applied on vellum paper. mm 104 x 20.5 mt.
On request can be supplied cut to size in rolls.

Article	Description	Fineness
69203	GOLD 23 ¾ Kt	990/1000
69204	GOLD 22Kt	917/1000

GOLD IN SHELL Art. 69134

Gold in shell, 22 karats (917/1000), tied with gum arabic. Pack size: godet 1 gr ca.

GOLD IN FINE POWDER Art. 69133

Gold in powder, 22 karats (917/1000). Pack size: 1 gr.

IMITATION GOLD LEAF

Art. 69132/2.0 - 2.5 Size: 140 x 140 mm. Book 25 leaves - Color 2.0 - 2.5

Art. 69132/2SET-25SET Size: 140 x 140 mm. 20 books 25 leaves (500 fg) - Color 2.0 - 2.5

SILVER

Article	Description	Pack size
69125	SILVER LEAF 999/1000	book 25 leaves - 95 x 95 mm
69126	SILVER LEAF TRANSFER 999/1000	book 25 leaves - 95 x 95 mm
69128	SILVER POWDER 999/1000	jar 50 gr
69142	SILVER TRANSFER IN ROLL	reel mm155x50 mt.(On request cut to size)
69127/AG	SILVER LEAF IMITATION	book 25 leaves - 140 x 140 mm
69127/AGSET	SILVER LEAF IMITATION	20 books 25 leaves(500fg) - 140 x 140 mm



APPLICATOR FOR GOLD IN ROLL
Art. 69205

For gold and silver transfer reels.

GILDING MATERIAL



BOLOGNA GYPSUM Art. 55481

Gilding gypsum. Excellent softness.
Sack 1 - 5 - 20 Kg.

RABBIT (LAPIN) SKIN GLUE IN POWDER Art. 53921

Rabbit skin glue. Sack 1 - 30 Kg.

TRADITIONAL AMMANITURA Art. 64857

Bologna gypsum - Rabbit glue. Jar 720 ml.



ARMENIAN BOLE RESTAURARTE Art. 64851

white / black / red / green / blue / yellow
Special clay. Jar 720 ml.



READY BOLE RESTAURARTE Art.64852

white / black / red / yellow
Special clay with rabbit skin glue. Jar 720 ml.



BOLE LEFRANC

Art.69117 Black - jar 750 ml.
Art.69111 Red - jar 750 ml.
Art.69114 Yellow - jar 750 ml.



BITUMEN WAX FOR PATINAS Art. 64855

Effect of aging on gilts and painted surfaces.
Jar 300 - 720 ml.

NEUTRAL WAX FOR PATINAS Art. 64856

As Art. 64855 but colorless. Jar 720 ml.



WATER GOLD SIZE Art.69121/M

Acrylic resin in water dispersion. Bottle 500 ml.

ALCOHOL GOLD SIZE Art. 69123

Acrylic resin in alcohol dispersion. Bottle 500 ml.

OIL GOLD SIZE Art. 69120

Natural oils in turpentine - Bottle 500 ml.

OIL GOLD SIZE LEFRANC 3-12 HOURS

Art. 69124-22

Solvent gold size - Bottle 500 ml - 5 lt.

ACRYLORO Art. 69121

Concentrated water gold size. Acrylic resin in water dispersion. Bottle 1000 ml.



VARNISH FOR MECCA GILDING Art. 64853-54

To apply on silver leaf for protection and imitation gold. Bottle 500 - 1000 ml

LUSTRINA Art. 64909

Alcohol ketone varnish for the protection of objects, not exposed outdoor, gilded with imitation gold, aluminum or silver. Bottle 1000 ml.

GOLD CLEANER Art. 60275

Thixotropic gel for controlled cleaning by gold leaf frames, polychrome surfaces etc. Bottle 500 ml.

GILDING MATERIAL

GILDING BOX

Art. 69101 The basic materials and equipments for the gilding professional in a practical container of wood covered in imitation leather with strap. The gilding box contains:

brush Vayo n° 6
brush Vayo n° 2
brush ox No. 22
brush ox No. 18
brush ox No. 5 2x
brush Vayo 40
mecca 125 ml
water gold size 125 ml
varnish gold size 125 ml
rabbit glue jar 500 ml
skin pad
cutting knife
book imitation gold, 25 leaves
book genuine silver, 25 leaves
agate stone
soft rubber bowl

yellow bole 125 ml
red bole 125 ml
black bole 125 ml
bitumen wax 125 ml
lustrina 125 ml
scraper
Bologna gypsum jar 500 ml
glass jar 2x 213 ml
steel spatula S
handle scalpel No. 3
100 scalpel blades 5x
steel blades 0000
wettable sandpaper 2x
fiber glass pen 5 mm
wooden case with belt



GILDER'S KNIFE

Art. 69161-63 (1 o 2 cuts)

GILDING



SET BURNISHERS

Art. 69180/SET

6 agate burnishers with wood handle N° 8-15-20-22-30-34

GILDERS TIP HAIR VAYO

Art. 69162 40-60-80 mm.



BOMBAGINO BRUSHES VAYO

Art. 69164-66 (n° 2-6-8-10-12)



BRONZINE RESTAURARTE

Art. 60651/OZ PURE GOLD
Art. 60651/OP RICH PALE GOLD
Art. 60651/OD DUCATO GOLD
Art. 60651/RA COPPER
Art. 60651/AG SILVER
Art. 60651/MO PEARLY GOLD
Art. 60651/MA PEARLY SILVER

LEATHER PADS

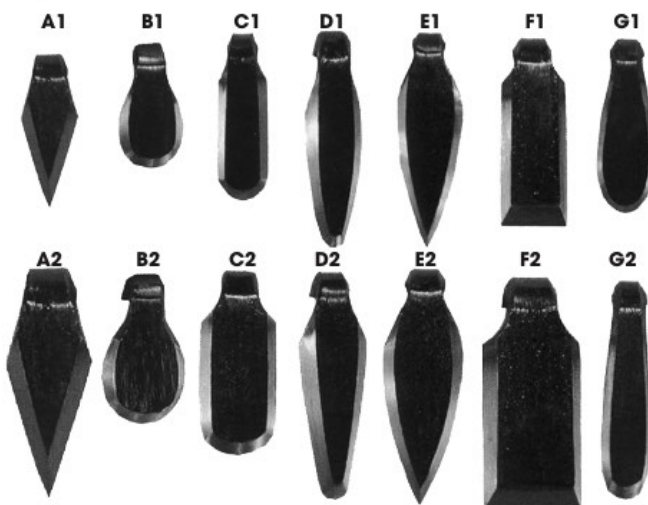
Art. 69160

for cutting gold leaf.
Dim.260x200 mm.



GILDING SCRAPERS Art. 69190

IRONS TO REPAIR



METALLIC COLORS FOR GILDING

SET 6 GODET DIAM. 30 MM **Art. 69145/6**

RICH GOLD, RICH PALE GOLD, PALE GOLD, DUCATO GOLD, SILVER



METALLIC COLORS IN WAX Art. 69148/NEW

Are based colors of high concentrations of purple and wax particular capable of holding up to the solvents which are in closed jar. They can be given with cotton ball or cloth. They are very bright and opaque. Pack size 50 ml.

PURE GOLD - RICH GOLD - PALE GOLD - DUCAT GOLD - RICH-PALE GOLD - COPPER - SILVER



AGATE BURNISHERS

AGATE BURNISHERS Art. 69181 /..



CERAMIC - ENGRAVING

GILDING



WARMING PLATE THERMOSTATED 35x50 cm. Art. 80291

Warming plate, varnished steel and plated heavy aluminium plane, to avoid heating deformation and guarantee an evenly and fast warmed surface.

Power: Watt 350
Feeding: 220 V 50 Hz
Max temperature: 100°C
Weight: 5.5 Kg.
Pack size: 58x42x11 cm.



WARMING PLATE THERMOSTATED 50x70cm. Art. 80292

Warming plate, varnished steel and plated heavy aluminium plane, to avoid heating deformation and guarantee an evenly and fast warmed surface.

Power: Watt 820
Feeding: 220 V 50 Hz
Max temperature: 100°C
Weight: 12.8 Kg.
Pack size: 88x58x11 cm.



CERAMICS FURNACE 85 liters Art. 75230

Temp. max: 1260 °C
Volume: 85 lt
Power: 6.6 Kw
Weight: 86 Kg
Ø x h internal: 420 x 570 mm
Ø x h external: 580x 850 mm
Accordance with EN 60335-1. Accessory kit includes: 1 plate, 2 half plates, 18 columns, 72 triangles.



CERAMICS FURNACE 272 liters Art. 75228

Internal dimensions: 630x 600x720 mm.
Pack size: 1520 x1080x1120 mm.
Volume: liters 272
Max temperature: 1120°C
Power: Kw. 8.5
Feeding: 230 Mono-phase or 380 three-phase
Structure in welded sheet steel cooking chamber coated with ceramic fiber high temperature. Wraparound cavity with ventilation channels.



METAL TURNTABLE FOR POTTERY DECORATION Ø 22 cm

Art. 15191 Green painted steel with round revolving plane. Diam. 22 cm



METAL TURNTABLE FOR POTTERY DECORATION Ø 30 cm

Art. 15193 Green painted steel with round revolving plane. Diam. 30 cm

ETCHIN PRESS FOR CHALCOGRAPHIC PRINT. Art. 69911

Professional etchin press for chalcographic print.

Solid steel mountend of oscillating balls bearings and adjustable on height. Made with a special system of pressure to ensure flexibility on printing to have the best works. Wheel with reducer. Supplied with metal plate.

EASEL FOR PROFESSIONAL PRESS Art. 69912 h. 78 cm.

Dim. (LxPxH): 70 x 82 x 44 cm
Weight: 318 Kg
Height base: 70 cm
Width of roller: 72 cm
Diam. roller: 14/16 cm
Diam. of wheel : 85 cm
Metal plate: 71.5x125x0.5 cm

MOSAICS - MARBLE



ROLL MOSAIC NIPPER

Art. 15196/ROLL

Tile nipper with cutting wheels. Made with high carbon steel wheels. Plastic coated handles for a perfect and safe grip.



MOSAIC NIPPER

Art. 15196

Cutting edges with carryovers in solid carbide. Plastic coated handles.



SAW-TOOTHED WHEEL

Art. 15194 Equipped with 20 teeth spaced 4 mm. Used to make holes in cartons, mosaics, frescoes.



FLYWHEEL SHEARS

For marble and stones. Made in cast iron.



Base with cutter Art. 15197+15199

MOSAICIST CUTTER

Art. 15197 In steel without base.

BASE FOR MOSAICIST CUTTER

Art. 15199 In wood base 30 x 30 cm - height 90 cm. With handles. Without mosaicist cutter.



MOSAICIST HAMMER

Art. 15195 In steel with wide points. Weight 800gr.

BIG SHEARS Art. 15202

Blade length: cm 21,5 - Thickness: 2÷4 cm. Weight: Kg. 90

SMALL SHEARS Art. 15201

Blade length: cm 14,5 - Thickness: 2÷4 cm. Weight: Kg. 65

SUPPORTS FOR MOSAICS

Panels made with the sandwich system with a core of honeycomb aluminum and surfaces in the prepreg of glass fiber and epoxy resin. The surface is not vitrified and has small square holes from about 1 x 1 mm to improve the adherence of the mortar. The extreme lightness combined with high physical characteristics make these panels ideal for mosaics supports.

Alveolam cell 3/8" (9,52 mm)	1250 x 3000 mm
Article	Thickness
83052	10 mm
83053	15 mm
83057	20 mm
83061	25 mm
83065	30 mm

Supports custom-made in PVC and GRP on request.

LIQUID ADHESIVE EP - IN 2501 FOR BONDING MARBLE GRANULES Art. 22146

HARDENER K 2502 (slow) Art. 22151 - HARDENER K 2503 (fast) Art. 22152

Liquid epoxy with low viscosity, solvent-free.

It allows to fix marble granules on alveolar panels to improve the adhesion of the mortar.

MOSAIC ELEMENTS IN MARBLE AND GLASS on request



TEXTILE AND PAPER RESTORATION

PAPER



TABLE CRYSTAL PLAN

Art.82300/ALU Sturdy structure in anodized aluminum with modular profile (40x80 millimeter) and reinforce grid (40x40 cm) for support of crystal plan in safety glass VISARM 5+5 also to support the weight of the restorer lying on the floor in complete safety. Levelling feet adjustables in height or wheels anticrushing with brake (optional).
Dimensions: (LxPxH): 200 x 120 x 80 cm



TISSUE RESTORATION WORK TABLE

Art. 82310 Solid wood structure and top works surface with 20 removable tiles coated in melamine resin.

Dimensions: 290x150x90(h) cm

Dimensions modules: 35x35 cm

VAPORSONIC PLUS - ULTRA-SOUND STEAM GENERATOR

Art.11634

It provides fine delicate jet of moisture (or dry) air from ambient to 100 degrees centigrade and is used for removing glue, resins, old labels, separating paper layers, activating adhesives and enzymes, relaxing and cleaning. Cold moisture produced by the humidifier is heated by the gun to a desired predetermined temperature, which remains at a constant level. The way the tool works is cold mist produced by the Ultrasonic Humidifier is heated by dialing into the control unit the desired temperature, which then remains at a constant level with a electronic control of the actual temperature. Adjustment is made by dialing the selected temperature, the control unit will then automatically adjust the colt temperature. The range is from ambient to 100 degrees centigrade, users find the lower temperatures very useful especially for cleaning the enzymes, and paper restoration.

Feeding 230V - 50Hz - Power 40 W (cold use), 140 W (warm use)

Water tank: 5 liters deionized / distilled water

Ability to Humidity : 400 cc/h



PLUS/09 Art.11634

BLOW VACUUM CLEANER 555-MU-E HEPA

Art. 34011

Compact and light professional exhaust fans for a carefully removal and recovery of powder and other solid particles in spaces difficult to catch up, on delicate works of art and in museum displays. Power: 1300 Watt Degree filtration: 99.997% particles > 0,3µ . Dimensions: 320 x 140 x 190 mm. Weight: 2,4 Kg. Aspiration max: 2.285 mBar. Capacity air max: 47 lt/ sec. **For other characteristics and accessories see museum vacuum cleaner.**



Art. 34019
Set micro tips



Art. 34014
Set brushes

MICRAS Art.34137

MICROSUCTION UNIT FOR POWDERS AND FLUIDS

Power supply: 220/240 V - 50 Hz

Vacuun max: 0.7 bar

Pump flow: up to 20 l/min

Collection basin: 1000 cc

Dimensions (LxPxH) 250 x 190 x 380 mm

Stainless steel structure. Micrometric adjustment of vacuum level. Made of standards CEI 605 - IEC 601.



SET TIPS MICRAS

TEXTILE RESTORATION - WASHING BASINS

THERMOSTATIC BASINS

Custom made with or without heating

Art. 69570 THERMOSTATIC STAINLESS STEEL BATH with electronic control unit with temperature display. Dimensions 1300 x 900 mm. Depth 100-200 mm. Height 900 mm. Rapid heating. Perforated grid on the basin bottom. Extractor sheets. Drain overflow. Legs with wheels.



Art. 69570

WASHING BASINS

Art. 69572 BASIN FOR WASHING IN PVC in painted steel structure. Dim. 900 x 1100 mm . Depth 300 mm. Drain overflow and drain cock.

Art. 69573 BASIN FOR WASHING IN PVC in painted steel structure. Dim. 1100 x 1500 mm . Depth 300 mm. Drain overflow and drain cock.

Art. 69569 BASIN FOR WASHING IN PVC WHITE for table. Dimensions 900 x 1300 mm . Depth 100 mm. Side discharge and overflow removable.



Art. 69572

WASHING BASIN Art. 69571/16 -12

Basin in PVC gray antacid 7 mm. Size 160x120x h (30 +70) cm. Depth 300 mm. On demand is made of white polypropylene antacid. Square section tubular steel frame, painted black, hot and cold taps and hand shower pool basin. Drain and overflow. On demand stainless steel.

WASHING BASIN FOR TISSUES

Art. 69571/20-10

Polypropylene tub with dual exhaust fitted with ball valves in PVC antacid. Double extractable shower each commanded by tap commands on the floor placed on two ends of the tank. Load Hot / cold water through a slot type in "cascade" on the short side and drain overflow on the opposite side. Screening internal removable media.

Useful dimensions : 200x100h 18.5 cm.

External dimensions: 230x102 h 90 cm



Art. 69571/20-10

WASHING BASIN TILTED FOR TEXTILES

Art. 82305

Stainless steel structure with 1 taps head for washing / filling and 2 faucets with pull-out spray side.

Lifting bath, the short side, with hydraulic pump operated manually.

Double discharge device, one dedicated for exhaust pollutants, (ecological recovery).

Dimensions int. (WxDxH): 2500 x 1600 x 250 mm

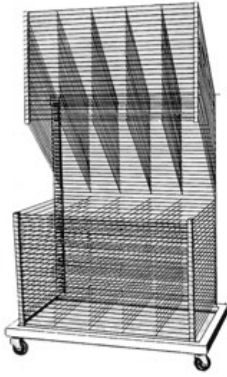
Dimensions ext. (WxDxH): 2620 x 1720 x 900 mm



Art. 82305

**BASINS FOR WASH AND PVC POLYPROPYLENE
ALSO MADE ON DEMAND**

PAPER RESTORATION - DRYERS



DRYER SHELVES

Construction in metal painted - Mounted on castor wheels of large diameter with ball bearings - Plastic coated wire shelves with spring restraint.

Article	69565	69567
N° of shelves	50	50
Useful format	800 x 1100 mm	1000 x 1400 mm
Shelves distance	20 mm	20 mm
Obstruction	900 x 1200 x 1700 mm	1100 x 1500 x 1800 mm
Net weight	130 Kg	190 Kg

PAPER



Art. 69566

Art. 69568

CLOSABLE DRYERS

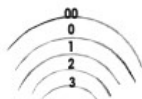
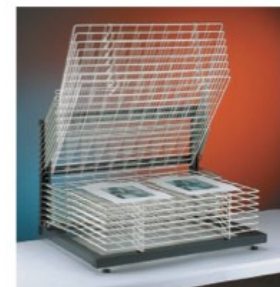
Cross-shaped closable drying truck.

PAPER DRYING SHELF

Art. 69563

In painted aluminum with nylon net for drying sheets
External dimensions: 77 x 107 cm.
Drying area: 101x71 cm.

	SINGLE CLOSING	DOUBLE CLOSING
Article	69566	69568
N° of shelves	11	22
Min. distance between vertical rods	300 mm	300 mm
Max. distance between vertical rods	1435 mm	1435 mm
Length arms	780 mm	780 mm
Total height	1900 mm	1900 mm
N° castor wheels	4	4



NEEDLES FOR TISSUE RESTORATION

Art. 69509 curved N° 3-2-1-0-00
pack size 12 pieces.
For other needles to see bin-
dery.

	FLOOR DRYERS		TABLE DRIERS	
Articolo	69691	69692	69693	69694
N° shelves	40	50	15	15
Size sheets cm	50 x 70	70 x 100	50 x 70	70 x 100
Obstruction cm	59 x 86 x 140	83 x 120 x 165	84 x 62 x 60	84 x 120 x 60
Net weight Kg.	80	174	33	51

LOW PRESSURE TABLES



Table specifications:

Dimensions: 100 x 70 cm.
Weight (without pump): 40 Kg.



Pump specifications:

Feeding: 220V/50Hz
Power: 1,1 KW
Capacity: 180 m³/h
Vacuum: 200 mbar
Weight: 20 Kg.

LOW PRESSURE TABLE Art. 69592

The table at low pressure is formed by a stainless steel frame, closed in the sides and the bottom, provided with four handles, to facilitate the positioning of a work table or on a suitable support (Art. 69594), and a perforated grid in the upper part. On one side is placed a cock for draining of liquid aspirated from the grid. To control the level of vacuum in addition to the vacuum gauge, there is a regulating valve. Vacuum uses a special pump with a capacity of 180 m³/he maximum vacuum 200 mbar.

Available model 150 x 100 cm. (Art. 69592/MAXI)



Equipment:

1. Vacuum meter
2. Vacuum regulation valve
3. Air hose
4. Vacuum pump
5. Drain cock



DECANTER Art. 69595

Recommended for use in washing table with large amounts of water. Made of PVC dim. 300x300x400 (h) mm with level gauge and drain plug on the front.

LOW PRESSURE TABLE WITH HUMIDIFIER CHAMBER

Art. 69657

Complete with pump, decanter, stainless steel support with wheels and Plexiglas dome mounted on a metal frame with epoxy powder coated hinges complete with pistons, opening with gas operation. Cold steam generator at ultrasound. Filter incoming air for operation in closed dome.



HUMIDOME

TABLE HUMIDIFICATION CHAMBER FOR ORGANIC MATERIALS Art. 32050/HUMID

For controlled humidification of paper materials, fabrics and parchment, placed on the work table.

Dim. 100 x 70 x 45 cm. Weight: 10 Kg.
Hygrostat: Digital 0-100% RH



Ultrasonic Humidifier
power: 40 W (cold)
140 W (warm)
Tank: 5 liters
Capacity Humid. 400 cc/h



TABLE SUPPORT

Art. 69594

Made from stainless steel .
Castor wheels with stop.
Pump plane, decanter and humidifier not included.

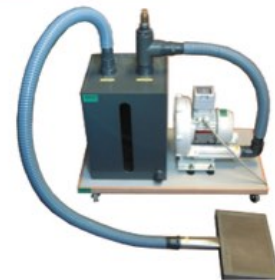
MINI LOW PRESSURE TABLE Art. 69620

It allows to books and manuscripts bound.



System consisting of:

- Table low pressure consists of a stainless steel structure dim. 20 x 30 cm.
- Low pressure pump
- Decanter in plexiglas for books.



DEACIDIFICATION - DUSTING

PAPER



DEACIDIFICATION SYSTEM Art. 69574

Deacidification is the process during which, through the use of alkaline solutions, it seeks to achieve both neutralization of acidic materials in the paper, and filling a "charge" alkaline who took control of acidity. This facility allows you to obtain the solution used in the process of deacidification of the paper (Barrow system changed). The equipment consists of a container fitted with special fittings and connecting tubes and a tank full of CO₂ pressure regulator, pressure gauge and flow meter. Container filled with deionized water and calcium carbonate is made bubbling carbon dioxide. In this way we obtain a saturated solution of calcium carbonate prepared after appropriate settling, for the treatment.

Dimension tank: 500x500x500 mm
 Container material: PVCwhite/transparent
 Container capacity: 100 liter
 Capacity cylinder CO₂: 6.7 liter

BOOKKEEPER DEACIDIFICATION SPRAY Art. 69652/KEEP

Bookkeeper is a deacidification process that safely neutralizes acids and extends the lifespan of paper at least 3 to 5 times longer than untreated material. The spray products and spray solution both feature the same patented technology as Bookkeepers highly regarded mass deacidification process. The spray protects safely treated single sheets including manuscripts, documents, clippings, maps, posters, newspapers and other paper based materials stored in libraries and archival collections. Independent test conducted by leading research laboratories have verified the safety and effectiveness of the Bookkeepers process. All Bookkeeper deacidification products are nontoxic, non-hazardous, contains no CFC's and no solvents. The products are non-clogging, virtually odour-free and dry in minutes. Pump Spray Bottle 150 gram. Composition: magnesium oxide.

Art. 69652/refil - Refil for At. 69652/keep 900 gr.



BOX FOR BOOKS AND DOCUMENTS CLEANING Art.34060

White PVC box with transparent cover fitted with holes half sleeves tyvek, for the handling of books or documents to dust. The bottom of the box is covered with carpet, synthetic rubber and soft filter. On the right side is mounted inside a compressed-air blower (compressor silent housed under the structure) with a pressure regulator outside. On the back is fitted with a attack connection to dust extraction system with HEPA filter (Art. 34029 not included), and is mounted inside a soft, flexible tube to be connected to Kit soft bristles and rubber tips supplied.

Silent compressor 1 HP - 130 lt/min - max pressure 8 bars - tank 6 lt. Dim. box (LxPxH) 80x75x50cm. With structure H 130cm. Weight 70Kg.



PH TESTING PEN Art. 71385

With Ph testin per you can determine whether the paper and board you are using is acidic. The Chlorophenol red indicator solution in the pen will turn purple on any paper with a ph fo 6,8 ad above.

A clear or yellow colour indicates the material is probably unsuitable for conservation purposes.

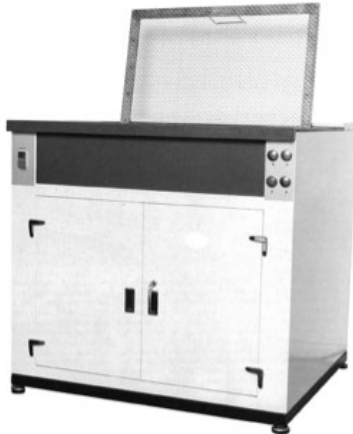
TER-BUTILAMMINO BORANO 97%

Art. 58170 /.. pack size 250 mg - 01 gr. C₆H₁₅P · BH₃ Used, in aqueous or alcoholic solution, as a reducing agent. Also acts as a buffer the acidity of the support and can have a clarifying effect.

REINTEGRATING FIBER

REINTEGRATING FIBER

The reintegrating fiber allows a mechanical restoration of paper. The principle of operation is based on the same technique of manufacture of the paper. The card is obtained through the filtering of a particular network (the "form" in the paper by hand, the "canvas without end" in that machine) of cellulose fibers suspended in water (the "flesh" of the paper). Such fibers overlap and form a felt which will later become the sheet of paper. If the "filtering" is used, as in the case of reintegrating fiber, in place of the network, a perforated surface, the fibers preferably will fill these gaps by performing a real compensation. The reintegrating fiber is especially suitable for the restoration of paper (books, prints, manuscripts) that present considerable gaps caused by insects, fire or other hazards.



AUTOMATIC LEAF CASTER Art. 69668

The machine is composed of a work area, made of PVC, with briefcases and accessories network. At the bottom, in painted steel, are located the motor unit, the pump, the compressor with the tank, the electrical and pneumatic and safety devices. It has a mobile device with compressed air to clean the network.

Working surface:	750x550 mm.
Working height:	900 mm
Outside measurements(WxDxH):	1030x970x1060 mm.
Weight with water:	450 Kg.
Electricity supply:	380 V Three phase
Power:	3 KW



MANUAL LEAF CASTER Art. 69668/ECO

The machine consists of a steel frame painted with epoxy powders, the working tank is made of PVC thick, supporting documents and network security are entirely of stainless steel. At the bottom, the pumps are located, the tank, the electrical panel inspected easily by opening the 4 side panels.

Working surface:	525 x 400 mm.
Working height:	900 mm.
Outside measurements(WxDxH):	640 x 550 x 1050 mm.
Weight with water:	70 Kg.
Electricity supply:	230 V 50 Hz
Power:	0.75+1.1 K



Art. 69672

FIBER MIXER Art. 69673

Structure in stainless steel or aluminium with white/transparent PVC container with lid, sensor and security button. Unloading with tap. Control panel timer. Engine: 0.37 Kw - 220 Volt - 1380 rpm. Dimensions (WXDXH): 500x500x1750 mm Power: 220 V 50 Hz single phase or (380 V three-phase 50 Hz).

FIBRE EXTRACTING MACHINE

Art. 69672

In stainless steel with PVC tank 2 liters.
Weight with water: 15 Kg.
Electricity supply: 220 V mono phase
Power: 0.25 KW
Dimensions (LxPxH): 200x300x750 mm.



Art. 69673

REVERSE OLEODINAMIC PAPER PRESS

Press with table lifting by hydraulic piston located below it. Steel structure. Power Supply 380/400 V 3 phase.

Art. 69712 Press with plane 600 x 800 mm.

Art. 69713 Press with plane 700 x 1000 mm.

PAPER RESTORATION TABLES - CHESTS OF DRAWERS

PAPER



LIGHT TABLES

With diversified ignition and support base tilt and height adjustable. Building, structure support, tubular steel painted white (other colors on request) Height adjustable from 880 to 1360 mm. Box-door lighting in black anodized aluminum, with laterals aeration holes. Security glass opal for a uniform spread of light. Power supply 230V/50Hz



Article	69597/M	69597/1x1.5	69597/710T
Dimensions	880 x 1380 mm	1030 x 1620 mm	1030x730 mm
Fluorescents	5 tubes of 28 W	12 tubes of 21 w	4 tubes of 21 W
Switching on	single	6+6	double
Net weight	70 Kg	80 Kg	51 Kg

WATERMARK READERS ULTRATHIN

Art. 78197 SIZE A4 & A3 Built using the most advanced lighting technology thin film combines the features of solidity to those of extreme lightness and functionality.

Specific light power: 300 cd/m²
 Illumination uniformity: 99%
 Color temperature: 7500°K
 Dimension light sheet: 210x297/297x420 mm
 Thickness party devices: <1 mm



DOUBLE LIGHT RESTAURATION TABLE Art. 69654

Table with double light, structure table made of steel coated with dust and epoxy, laminate plan with lighting .

Dimensions 2000 x 750 mm x 900h

Plan bright on opalescent crystal 60 x 50 cm with 4 fluorescent tubes to natural light (5400° K) from 18 watts. Top tube fluorescent ceiling light with natural light (5400 °K) 65 Watt. Electrical panel with switches for lights and electrical service.

Mains: 230 V - 50Hz

WORK BENCH LIGHT TABLES

With diversified ignition and light box made from black finish aluminium and special security opal white glass for a uniform spread of light, with adjustable inclination and with lateral aeration holes. Electronic adjustment of brightness optional.



Article	69597/5070	69597/70100
Dimensions	530 x 730 mm	730 x 1030 mm
Fluorescents	4 tubi da 13 W	4 tubi da 13 w
Switching on	singola	singola
Power supply	220 Volt / 50Hz	220 Volt / 50Hz
Net weight	13 Kg	31 Kg

ULTRATHIN LIGHT BOX

Art. 69597/3046

Sunlight box for table, color temperature 5000°K. Brushed aluminium frame just 1.5" (3.8cm) deep has edge calibration in inches and mm. Lamps: 2x13W - Viewing size: 30 x 46cm (12 x 18"). Overall size: 55.3D x 40.6W x 3.8H cm. Power source: 12/120/230V adaptor (supplied).Soft case included.



LED BRIGHT LIGHT PANEL FOR TABLE WORKTOP

Art. 69597/6060

Light table top with low profile, glass work surface, LED lighting. Recommended for paper and photography restoration works. Surface glass, frame painted aluminum, LED duration 30,000 hours, lumen 3900, light color 6000°K, consumption 42 W, power supply 220 V 50Hz, degree of protection IP43, dimensions 600x600 x 16 (h) mm, weight 5 Kg.



BOOKBINDING PRESSES



BACKING WORK



TRIMMING



PRESSING



WOODEN GROW-BACKING PRESS Art. 69601 FOR FLOOR IN WOOD AND STEEL

IT WORKS LIKE BATTIDORSO, PRESS, TRIMMING, ETC...

Day light: 50 cm.

High: 80 cm.

Weight: 40 kg.

With removable backing boards with metal edges, system of trimming with knife and couple tables for press.

MANUAL BOOKBINDING PRESS

Art. 69583

CAST IRON AND STEEL, WOOD SWIVEL
AND REVOLVING BASE,

Working height: 21 cm

Pressing size: 43 x 12 cm



FLOOR BOOKBINDING PRESS,

Art. 69584 FOR FLOOR IN CAST IRON AND STEEL

Overall dimensions: 71x106x107 (h) cm.

Daylight cm 50 x 0/40 cm.

Plane dimension: 77 x 10 cm.

Weight: 50 Kg.

SUPPORT ROLLS/18 PLACES TO FLOOR Art. 82316

Ideal for paper / tissue in reel.

Structure in painted gray steel RAL7035 equipped with rubber wheels with swivel threadguards \varnothing 125 mm.

- N°18 positions roll max diameter 16 cm.

- Length utility supports roll: 1600 mm

- Supports rolls: removable

- Size 1740 x 1000 x 1970 h mm. It is provided disassembled.

BOOKBINDERY PRESSES



KNOCKING PRESSES

Manual medium-size book-press: for the manual casing-in of books and diaries, and for other bookbinding works. Pressing hand-wheel with percussion device, to multiply the force applied. Cast iron structure: strength and long life.

Article	69705	69707
Plans size mm	500 x 400	700 x 500
Max height mm	560	800
Weight Kg	160	365
Dimensions mm	640 x 420 x 1070	860 x 520 x 1460
STAND FOR KNOCKING PRESS	69706	69708

PAPER



Art. 69701



Art. 69704



Art. 69704/MINI

TABLE BOOK-PRESSES.

Made entirely of cast iron and steel, manual operation by handwheel fixed height. Robust and accurate.

Article	69704/MINI	69701	69703	69704
Plans size mm	500 x 350	400 x 300	520 x 400	515 x 450
Max height mm	500	400	520	500
Weight Kg	80	300	400	510
Dimensions mm	55	60	165	90
Dimensioni mm	530 x 350 x 300	500 x 400 x 600	650 x 500 x 800	600 x 500 x 1000

OLEODINAMIC MOTOR PRESS

Motor working with oleodynamic gearbox incorporated in the cross frame member, hand-operated pushbutton type for lowering and lifting through solenoid valve. Structure in steel and cast iron. Pressure-blocking automatic device, the pressure is adjustable and readable on the pressure-gauge; the latter can be excluded by the proper tap. Supply 380 V three-phase. On demand monophase.



Article	69709	69711
Plans size mm	520 x 400	750 x 560
Max height mm	500	1000
Pressure Kg	4000	14000
Power KW	1.1	3
Oil Kg	5	15
Weight Kg	200	700
Dimensions mm	700 x 400 x 1500	1000 x 650 x 2600



REVERSE OLEODINAMIC PAPER PRESS Art. 69712

Suitable for bookbinding, this machine complies with CEE security directives and is fitted with a polycarbonate protective structure with doors that are locked through security microswitches and protect the working area.

Specifications

Pressure plan:	800 x 600 mm.
Light:	500 mm.
Max pressure:	15.000 Kg.
Power consumption:	3 Kw
Power Supply:	380 Volt/three-phase
Height:	1754 mm.
Width:	1090 mm.
Depth:	720 mm.
Working plan height:	1120 mm.
Also available with plan 700 x 1000 mm. (Art. 69713).	

PAPER CUTTER - CUTTING MACHINES

CUTTER



Art. 69635

Metal frame with steel blade and protection. Plan work with screen printed with tracks, standard and stop bar millimeter.

Article	69635	69636/1071
Cutting length mm:	460	710
Work plan mm:	365 x 510	506 x 765
Weight Kg:	7,5	23
Dimensions mm:	385 x 390 x 700	570 x 980 x 520
Cutting capacity :	30 fg da 80 gr/mq.	35 fg da 80 gr/mq.



Art. 69636/1071

ROFESSIONAL TRIMMERS



Metal frame with steel blade and protection. Plan work with screen printed with tracks, standard and stop bar millimeter. Foot pressing device.

Article	69636	69636/1110
Cutting length mm:	800 mm	1110
Cutting thickness max:	4 mm	20 fogli/4
Work plan:	800x605	1100x760
Weight Kg:	55	60
Dimensions mm:	670x1220x1080	830x1360x1390



PAPER

CUTTING MACHINE



Machine made of steel, table sheet, solid construction and accurate. Millimeter lines is on the table for the team front. Reclining stripe cutter with adjustment via handwheel. Pin blade mounted on thrust bearings, removable counterweight. Macjine including all accessories.

Article	69645	69646
Cutting length mm	1130	1460
Depth table mm.	800	1000
Weight Kg.	260	380
Dimensions mm.	1960x1330X950	2350X1180x950

ELECTRIC REAMS-CUTTER Art. 69634



Indicator light cutting. Double edge guide. CEE approved.

Power supply:	230 V monophase 50 Hz
Power:	1.1 kW
Cutting length:	475 mm.
Cutting thickness:	30-80 mm.
Table depth:	458 mm.
Dimensions (HxLxP):	1360 x 755 x 970 mm.
Weight:	194 Kg.

ELECTRIC REAMS-CUTTER Art. 69634/655

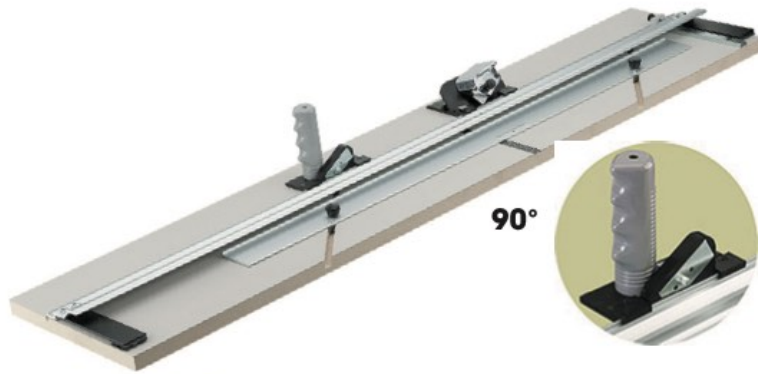


Indicator light cutting. Electronic and automatic pressing device. Double edge guide. CEE approved.

Power supply:	230 V monophase 50 Hz
Power:	1.1 kW
Cutting length:	650 mm.
Cutting thickness:	35-80 mm.
Table depth:	610 mm.
Dimensions (HxLxP):	1220 x 995 x 1250 mm.
Weight:	304 Kg.

CUTTERS

PAPER



90°

MAT CUTTER FOR PASSE-PARTOUT

Art. 69637/401

Cutting length 101.5 cm. For light use. Anodized aluminium structure. Double cutter 45 and 90-degree. Max border 10,8 cm. Parallel guide. Surface in laminate. Includes five extra blades.

REPLACEMENT BLADES FOR CUTTER

Art. 69633/270 Pack size 5 pieces.

45°



MAT CUTTER FOR PASSE-PARTOUT

Art. 69637/760

Cutting length 152 cm. For frequent use. Anodized aluminium structure. Double cutter 45 and 90-degree. Max border 13,97 cm. Square register 68.58. Surface in laminate. Includes five extra blades.

REPLACEMENT BLADES FOR CUTTER

Art. 69633/270 Pack size 5 pieces.



MAT CUTTER 45° FOR PASSEPARTOUT

Art. 69631/2000

Retractable blade, indicator start / end cutting, sturdy anodized aluminum structure, no flexion of the blade.

REPLACEMENT BLADES FOR CUTTER Art. 69633/270 Pack size 5 pcs.



MAT CUTTER 45° FOR PASSEPARTOUT

Art. 69631/4000

Retractable blade, indicator start / end cutting, sturdy anodized aluminum structure, no flexion of the blade. Graduated register bar and innovative rotation system for the control of the cut.

REPLACEMENT BLADES FOR CUTTER Art. 69633/270 Pack size 5 pcs.



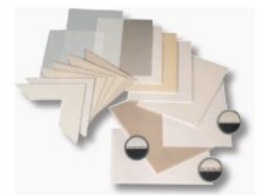
OVAL AND CIRCLE HAND-CUTTER

Art. 69641

It can cut oval passe-partout size min.cm. 7.5 x 11.5 cm max 51 x 58. Cutter diameter 10 - 51 cm.

REPLACEMENT BLADES Art. 69643

Pack size 20 pieces



TOOLS AND MATERIALS FOR BOOKBINDING

BACKING BOARDS Art. 69600

In steamed beech wood with steel profile.
Dimensions 400 x 200 mm.



WOOD BINDING BOARDS Art. 69586

In steamed beech wood.
Dimensions 250 x 450 mm.



BINDING WOODEN PRESS Art. 69596

In steamed beech wood.
Dimensions 540 x 150 mm.
Max opening 200 mm.



PAPER

WOODEN BINDING FRAMES Art. 69589

In steamed beech wood. Cutting length 670 mm Dim.: 820X300X270h mm
Hook tensioner Art. 69593
Ribbons / strings stop in brass Art. 69587



BOOKBINDING MARBLE WEIGHTS

Article	dim. mm	weight gr	handle
69605 new	50 x 50 x 80	500	ergonomic milling
69606 new	50x 50 x 160	1.000	ergonomic milling
69607 new	80 x 50 x 200	2.000	handle
69608 new	80 x 50 x 300	3.000	handle
69603/inox	diam. 15	220	handle
69607/inox	50x 15 x 250	1.500	handle
69609/inox	80x 15 x 450	4.500	handle

BOOKBINDER THREAD 100% LINEN reel 100 gr.

Article	Type	mtl	Article	Type	mtl
B301/FI08	08	160	B301/FI25	25	550
B301/FI10	10	200	B301/FI30	30	600
B301/FI12	12	250	B301/FI40	40	600
B301/FI14	14	270	B301/FI50	50	1000
B301/FI16	16	300	B301/FI60	60	1200
B301/FI18	18	400			

LINEN BOOKBINDER CORD

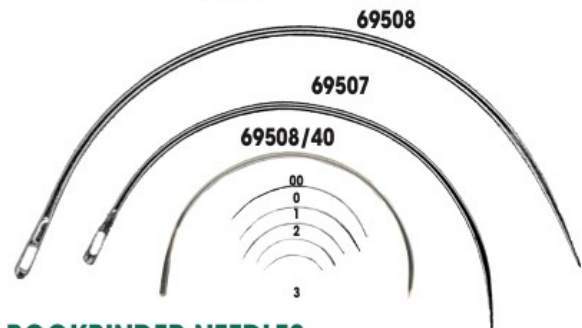
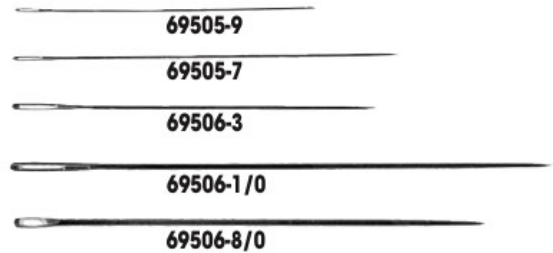
Art. B311/C4 4 strands. reel 500 gr. - Art. B311/C8 4 strands. reel 500 gr.- Art. B311/C12 12 strands. reel 500 gr.

BOOK HEADBANDS IN COTTON DIFFERENT COLOURS Art. 69560 reel 25 mt.

COLORED WIRES reel 1000 meters
Art. 69561 SILVER WIRE - Art. 69562 GOLD WIRE

COTTON TAPE

Art. 69551 simple 7 mm reel 50 mt.
Art. 69553 imple 10 mm reel 50 mt.
Art. 69554 imple 20 mm reel 50 mt.
Art. 69555 15 mm herringbone reel 50 mt.
Art. 69557 20 mm herringbone reel 50 mt.



BOOKBINDER NEEDLES

Art. 69505 straight thin N° 7 - 9 pack size 12 pcs.
Art. 69506 straight big N° 3 - 1/0 - 8/0 pack size 6 pcs.
Art. 69508 curved Ø 85 mm.
Art. 69507 curved Ø 60 mm.
Art. 69508 /40 curved Ø 40 mm .
Art. 69509 curved N° 3-2-1-0-00 pack size 12 pcs.

BOOKBINDING TOOLS



JAPANESE PUSH DRILL Art. B561/FU01

Japanese push drill with wooden handle and brass clamp. A manual pressure exerted on the handle causes a rotational movement of the clamp where the tip is inserted. You can make holes on: paper, cardboard, leather ecc. ecc.

Art. B561/FU10-40 1 - 1.2 - 1.5 - 1.8 - 2 - 2.5 - 3 - 3.5 - 4 mm.



BACKING HAMMER

Article	Pen	Weight
69532	40 mm	870 gr
69533	36 mm	660 gr
69534	30 mm	500 gr



JAPANESE BAMBOO RULER

Art. B540/RB30 Length 300mm

Art. B540/RB60 Length 600mm

Art. B540/RB90 Length 900mm



SEMI-FLEXIBLE RULER

In bright stainless steel, graduation engraved and blackened on one side, CEE Class II approved. Section 30x1 mm.

Art. 71755/300 Length 300mm

Art. 71755/500 Length 500mm

Art. 71755/1000 Length 1000mm



BONE STICK

Length	Rounded	Tip
14 cm	69512	69522
18 cm	69514	69524



WOOD STICK

Art. B551/ST08 350 X 40 X 2 mm



AWL Art. 69531

Awl with wooden handle. Round blade mm 40. Total length mm 135



AWLS

wood handle
Art. B510/PU8 cone tip cm 15



Art. B510/PU9A 16 cm - tip 7.8 cm



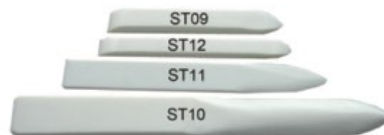
FLEXIBLE SQUARE Art. 71751

Flexible tempered steel. Section 40 x 1.5 mm. Length 600 mm



DRAW ANGLES Art. 69525

Made of brass, allows you to draw angles with the same measure.



STICKS IN TEFLON

Art. B551/ST09 140 X 20 X 8 mm
Art. B551/ST10 260 X 28 X 3/6 mm
Art. B551/ST11 190 X 23 X 3 mm
Art. B551/ST12 150 X 15 X 7 mm



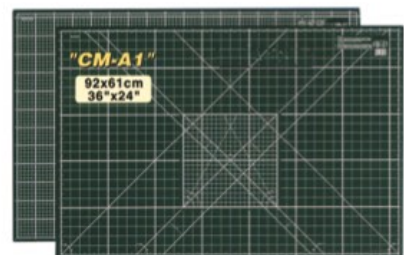
PLIERS FORM NERVES Art. 69529

In steel with spring and locking ring. Length 150 mm. Width 40 mm.



PLIER FORM NERVES Art. 69529/1

In steel with spring. Length 210 mm. Width 50 mm.



CUTTING MATS

Multipurpose mats with cut lines and metric rulers.

Art. 14180	Dim. 90 x 60 cm.
Art. 14180M	Dim. 45 x 60 cm.
Art. 14180P	Dim. 30 x 45 cm.
Art. B571/TAP1	Dim. 80 x 120 cm.

PARING KNIVES



PARING KNIFE
FLEXIBLE CURVED BLADE
Art. 69528 276S 270X21 mm



PARING KNIFE
STIFF BLADE Art. 69528
Wooden handle, blade variable section from 2 to 1 mm.
Dim. 255 x 34 mm.



PARING KNIFE
INTERCHANGEABLE BLADE
Art. 69528 220
Art. 69528 220BL **BLADE** 170X24 mm



PARING KNIFE
HALF - MOON Art. 69528 LUNA
Ø 180 X 190 mm Wooden handle, blade variable section from 2 to 1 mm. Sharpening across the width half moon.



PARING KNIFE
Art. B561/CLA rounded tip.
Length. 190 mm - width 45 mm.



PARING KNIFE
STIFF BLADE Art. 69527 23x4cm



PARING KNIFE
HALF - MOON Art. 69528 LUNA

Ø 180 X 190 mm Wooden handle, blade variable section from 2 to 1 mm. Sharpening across the width half moon.

LEATHER-PARING DEVICE Art. 69526

It allows the skiving of leather bookbinding in a simple and precise method. Equipped with interchangeable blades and micro adjustments for make thin accurately and is mounted on a workbench with the clamp supplied. The machine is completely made of die-cast aluminum fire painted.

SPARE BLADES Art. 69530 Pack size 10 pcs.



LANCET FOR PAPER
INCLINED BLADE Art. 69528/211-7
Width 7 mm - length 230 mm.



Art. 69526

MARBLE PLATE FOR PARING LEATHER

Carrara white marble slabs for skiving skins glossy finish beveled edges. Thickness 20 mm.

Art. 69501 /3040 Dimensions 300x400 mm.

Art. 69501 /4050 Dimensions 400x500 mm.



PLASTIC CUTTER Art. 14175

SPARE BLADES Art. 14178
Pack size 10 pcs.

SHARPENING STONE

Art. 14195 Double grain natural stone in woody box .
Dim. 20 x 50 x 150 mm.

SHARPENING OIL

Art. 14198 Pack size 125 ml.



BIG METAL CUTTER

Art. 14171 for heavy use, metal body for heavy duty, 10 positions adjustable blade, ergonomic shape. Length 160 mm.

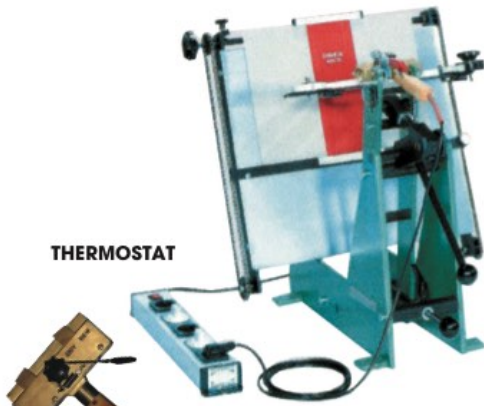
SPARE BLADES Art. 14173
Pack size 10 pcs.

PAPER

GILDING BOOKS

PAPER

THERMOSTAT



HOT GILDING PRESS, SEMIAUTOMATIC MACHINE Art. 69579HHS30

Press for hot gilding on modern covers with the possibility of detach the typeholder to mke gilding on the plates and on the backing boards of the ancient bindings.

Support plane 43x50 cm, Lever movement. Weight 60 Kg Overall on the ground 60 x 60 cm. Pressure about 400 kPa.

THERMOSTAT Art. 69579TERM

For typeholder temperature control. 230 Volt-50 Hz.

TYPEHOLDER 60X60 mm

Art. 69579/60 230 V/8W used for multiple lines of characters or small blocks.

TYPEHOLDER 90 mm Art. 69579/90 230 V/100W

TYPEHOLDER 200 mm Art. 69579/200 230 V/150W

ELECTRIC TYPEHOLDER



ELECTRIC HOT PLATE FOR GILDING

Art. 69503

Solid beechwood frame with support legs, plastic-coated steel supports for 4 +4 gilding irons and stove enamelled steel ø 180 mm with 4 position adjustable warming.

Power supply: 230 V/50-60 Hz
Power consumption: 1500 W
Dimensions: 250x440xh160 mm.
Weight: 4,5 Kg.

GILDING WOODEN PRESS

Art. 69585

in beech wood
Dimensions: 310x410x130mm
Max opening: 200 mm
Weight: 1.7 Kg



UNIVERSAL GILDING TYPEHOLDER

Art. 69581

Handcrafted in brass with wooden handle.



AGATE TIP LONG HANDLE

Art. 69502

Length approximately 370 mm.



CLEANING IRON TOOL

Art. 69535

Request list of characters and irons available.



HAND TOOLS



DECORATIVE ROLLS



DECORATIVE PALLETS



BRASS TYPES

SKINS - PARCHMENTS - PAPERS

PARCHMENT

Parchments obtained from top quality leather that does not undergo the treatment of disruption. The cycle of production is performed entirely by hand. For tanning are not used synthetic products such as aniline.

GOAT PARCHMENT Art. 69851 Medium cut 10 sft / 0.93 sqm

LAMB PARCHMENT Art. 69841 Medium cut 4 sft/ 0.37 sqm

GOAT LEATHER VEGETABLE TANNING

Skins obtained from the skins of international origin. The grain of the skin is natural not being printed skins. The materials used for tanning are extracts of chestnut, mimosa and quebracho (the last two are derived from plants very rich in tannin, coming from South America). The size ranges from 7/9 sft(0.65 - 0.84 sqm).

Art. 69831 - Natural color: hazel

Art. 69831 - Only flower side tint: light brown, dark brown, green, red bordeaux

ALUM TANNING LEATHER Art. 69821

The skins allumate are produced according to the best traditions but making use of technologically advanced machinery. Medium cut 6 square feet/ 0.56 sqm

VERTAL Art. 82258 Monofilament polyester fabric height 300 cm; 30 x 27 count; 120 gr/mq

WHITE VELCRO®

Art.82267 loop+hook - reels 20 mm x 25 mtl

Art.82268 loop+hook - reels 30 mm x 25 mtl

Art.82269 loop+hook - reels 50 mm x 25 mtl

SAVE-TEX FELT Art. 82266

The SAVE-TEX is a membrane consisting of expanded polytetrafluoroethylene laminated on polyester white felt for a total thickness of 1.5-2 mm, and weight of 130 g / sqm. Typical applications: controlled humidification of organic materials, in particular paper and parchment, protection from dust and biological agents of art objects (paintings on canvas, fabrics, papers, books, etc.).

Physical / chemical properties: The SAVE-TEX membrane has a low coefficient of friction, it blocks more than 90% of UV rays and 98% of visible radiation, is impervious to smoke, spores, micro-organisms. At the same time, is permeable to water vapor but not water in liquid state.

Specifications:

Weight: 130 gr / m - Height: 140/145 cm

Felt Composition: 100% polyester.

Membrane Composition: 100% polytetrafluoroethylene.

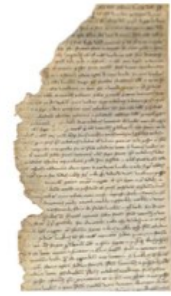
Membrane thickness: 30 µm.

Pack size: reel 10 mtl.

MARbled AND PAVONATE HANDMADE PAPER

Art.B120-MP 50 x 70 cm.

VARIOUS COLORS



GLICERINA Art. 55551

Trivalent aliphatic alcohol. Colorless, odorless, syrupy sweet taste. It is hygroscopic, miscible with water and alcohol, insoluble in ether, chlorinated solvents, toluene and oils. Pack size 1- 5 lt.

BOVINE FOOT OIL Art. 56623

Soothing for leathers and parchments. Pack size 1 lt.

ARCHIBOND TISSUE - ATI

Art. 49165 - 950 mm x 100 m.

Art. 49165/25 - 950 mm x 25 m.

Fabric made with a veil of base is made of 100% fiber Manilla, weight 9.3 g / m, coated with acrylic adhesive, heat-activatable. Reversible with solvent alcohol. Tested and approved by the British Library.

BONDINA

Art. 49161 Reel of 100 g height 80 cm x 10 m.

Art. 49160 Reel of 30 g height 100 cm x 10 m.

Non-woven fabric is especially soft and extremely smooth.

LANOLINA Art. 56188

Component for the preparation of emollient creams for leathers. Soluble in hot alcohol, ether, chloroform, benzene and acetone. Insoluble in water. Pack size: 1 Kg.

CIRE 213 Art. 69871

Softener for leather and parchment paper.

Pack size: 50 gr.



BOLLORE'

Thin lightweight paper based on chemical pulp, acid-free, lignin-free and optical brighteners. High percentage of alpha cellulose. Usually used in the manufacture of boards and hinges for mounting of prints, and the consolidation of documents because it is very resistant even to humid.

Art. 49167/30 12 g/mq 75 cm x 30 m

Art. 49167/1500 12 g/mq 75 cm x 1500 m

Art. 49168/30 22 g/mq 75 cm x 30 m

Art. 49168/1000 22 g/mq 75 cm x 1000 m

Art. 49169/30 22 g/mq 154 cm x 30 m

Art. 49169/1000 22 g/mq 154 cm x 1000 m

JAPANESE PAPERS

ARTICLE	CODE	TYPE	WEIGHT gr/sqm	SIZE cm	PACK SIZE
49109	25561	TENGUJO	6	48 x 94	500
49124	25504	MINO-TENGUJO	9	48 x 94	500
49121	25499	MINO-TENGUJO	9	0.48 x 1000 m	1
49111	25502	TENGUJO-KASHMIR	10	48 x 94	500/100
49126	25500	KASHMIR	11	48 x 94	500/100
49127	25505	KOCHI	13	79 x 109	500
49128	25508	TENGUJO	18	49 x 69	500/100
49131	25509	KOZOLINE	22	64 x 97	100
49110	25519	HURUCATE	25	61 x 91	100
49141	25552	CHINA-PAPER	30	0.97 x 10 m	1
49136	25553	HURUKI	34	0.96 x 10 m	1
49112	25513	ZAIREI	34	61 x 92	100
49133	25511	MINOTA	35	54 x 65	100
49137	25517	KAWAZAKI	35	66 x 99	100
49148	26402	SEID-KOKON	35	0.90 x 10 m	1
49135	25527	SENKWA	40	58 x 84	100
49113	25512	MINOMITRE	40	54 x 65	100
49115	25523	HOSHO	70	51 x 66	100
49116	25533	INSHU-KOZO	70	60 x 86	100
49117	25481	UNRYU	85	61 x 91	100
49145	25437	GINWA-SHI	100	61 x 92	100
49119	25447	GINWA-SHI	110	61 x 92	100

PAPER



JAPANESE AND OCCIDENTAL PAPERS

ORIGINAL JAPANESE PAPERS

HANDMADE IN LEAVES Art.B101-W...

JAPANESE PAPERS IN ROLL Art.B102-W...

JAPANESE SYNTHETIC MATERIALS IN ROLL

RAYON PAPER Art B105-RYN

POLYESTER Art. B107-PLS...

HANDMADE OCCIDENTAL PAPERS



KAMI LINE

KAMI



JAPANESE TOOLS AND EQUIPMENT

www.kami-line.com

to moisten



Art. B580/PEB0
Brush Misubake B0
deer 145 mm.

to pave



Art. B580/PEB3
Brush Nazebake shuro B3
vegetable fiber 145 mm.

to beat



Art. B580/PEB4
Brush Uchibake B4 tsuko
vegetable fiber 145 mm.

to past



Art. B580/PEB1 Brush Noribake
B1 sheep 145 mm.

Art. B580/PEB8 Brush Bake B8
horse 55x25 mm.

per dust



Art. B580/PEB7 Brush Bake B7
long handle - sheet 30 mm.



Art. B532/ACC16
Wood spoon

to paint small areas



Brushes Takobake deer
B585/PETB1 14 mm.
B585/PETB2 23 mm.
B585/ PETB3 32 mm.



Art. B532/ACC18
oval bowls in wood



Chrome brass vaporizer
B515/VAP400 400 cc.
B515/VAP 1000 cc.



Art. B533 /SET17
Horsehair sieve \varnothing cm. 24



Art. B521/SPA12
Bamboo spatula 320 mm.



Art. B501/KARI
KARIBARI LOOM
120 x 90 x 1.8 cm.

Art. B712/DIE
DIES YASHA NO MI
Vegetal coloring -100 gr.



B536/PENA-B WATER PENS
Japan - Small/big



Art. B735/FUNF FUNORI
dry alga in sheet - 17 gr.

Art. B701/KAKI-2 KAKISHIBU
kaki juice 750-1000 ml.

B721/SH15-SHOFU japanese
starch grain 250 gr. -1 Kg.

PAPER

TAPES AND ADHESIVES



FILMOPLAST P transparent paper tape

Art. 49683 2 cm. x 50 m. - Art. 49685 40 cm. x 10 m.

Paper adhesive tape long fiber, very thin (20gr/sqm), lignin-free, contains calcium carbonate. Acrylic adhesive, solvent-free, pH neutral, resistant to aging. Repair lacerations in an almost invisible.

FILMOPLAST P 90 white paper tape

Art. 49687 roll 2 cm. x 50 mt. Paper adhesive tape from

40g/mq other characteristics of Filmoplast P. Used to reinforce the torn edges of the pages. To paste pages detached, to reinforce the seam inside of the book.

FILMOPLAST SH tissue tape

Art. 49681 roll 2cm. x 25m.

Art. 49682 roll 3cm. x 25m. Adhesive tape in white cotton short strands for gluing and the reinforcement of the back of the volume. Solvent-resistant acrylic adhesive alterations, non-yellowing, remains elastic over time.

FILMOPLAST R white paper tape

Art. 49675/2 roll 2cm. x 50 mt. Japanese paper with long fibers (8.5 g / sqm), transparent and acid-free, pre-loader for the reinforcement of the paper. Neutral heat-activatable adhesive (temperature of 100 °). It allows you to reinforce damaged pages or made weak by time. Contains magnesium carbonate.

FILMOPLAST T linen tape

Art. 49674 white in roll 5 cm. x 10 mt. Natural linen tape made with pre-rubberized linen (thickness 240 micron - 150 gr/mt) suitable to repair the back of the books, strengthen the back and maps or drawings for the painting of frames or passe partout. Acrylic adhesive without solvents, contains CaCO₃. Resistant to changes, non-yellowing, remains elastic over time. Available colors on request: yellow, red, blue, green, brown, gray, white, black. In rolls of 3 - 5 - 8-124 cm x 10 m.

COTTON ADHESIVE TAPE PH 7,4

Reel of 50 mtl.

Art. K088/23 height 3 cm. Art. K088/24 height 4 cm.

Art. K088/25 height 5 cm. Art. K088/26 height 6 cm.

PAPER ADHESIVE TAPE PH 7,4

Art. K067/25 reel 2.5 cm. x 50 m. 80 gr/sqm.

Art. K067/50 reel 5 cm. x 50 m. 80 gr/sqm.

COTTON PULP Art. 49215 100% white cotton pulp.

Long fibres which are very resistant to ageing. Color white in sheets 86x64 cm. Weight 450 gr./sqm.

CELLULOSA-MANILA 25495 Art. 49143

Pulp cellulose fiber made from brown color of Manila. Dimensions sheets 30x40 cm weight 96 g/sqm.

E - 411 Art. 21161 Acrylic adhesive for paper in

aqueous dispersion with pH 8.5-9.1.

Pack size 1 and 10 lt.

LAPONITE RD thickening agent Art. 56189

Laponite RD is a synthetic colloidal clay highly purified. Dispersed in 2% aqueous gel form highly thixotropic, heat stable and clear.

PLEXTOL B-500 Art. 57187

Aqueous dispersion of a pure acrylic resin, thermoplastic, medium viscosity. Used as an adhesive in the lining of papers. Pack size 1 kg.

READY TO USE GLUE- TYLOSE MH 300 Art. K0203

Bonding to cellulose for papers ready to use tube 40 ml.

GLUOTIFIX 600 Art. 55560 Thickener tixotropyc.

TYLOSE MH 2000K Art. 58841

Thickener for adhesives. Methylhydroxyethylcellulose soluble. Pack size 500 gr.

FUNORI Art. B735/FUNF

Dry alga in sheet 23 x 23 cm. Weight 17 gr.

EVACON-R Art. 55397 Water soluble, non plasticised, pH 7.5, Ethylene Vinylacetate Copolymer Emulsion. Pack size. 1 Kg.

KLUCEL-G Art. 56184 Product based on hydroxypropylcellulose, a non-ionic polymer soluble in water and in organic solvents. Pack size. 500 gr.

CULMINAL MC 2000 Art. 54197

Methylcellulose. Used as a thickener, stabilizing and suspending. 1 Kg.

ADHESIVE FOR BOOKBINDING Art. K0200 Pack size 1. Kg Ethylene vinyl acetate copolymer, soluble in water up to 10%, PH 7-7.5 - PAT Test passed.

ADHESIVE FOR PHOTOGRAPHIC MATERIAL

Art. K0199 Aqueous dispersion can be diluted up to 10%. PH 7 - PAT Test passed. Pack size 1 kg.

GLUTOLIN KLEISTER Art. 55563

Methylhydroxyethylcellulose. 125 gr. - 5 Kg.

WHEAT STARCH "ZIN SHOFU" Art. 51765

Pack size 1.5 Kg.

TYLOSE MH 300P Art. 58843

Methylhydroxyethylcellulose water-soluble. Pack 500 gr.



WALTER KLUG & CO.

KLUG
CONSERVATION

CARDS, CARDBOARDS AND CONTAINERS FOR LONG TERM STORAGE



Bresciani srl is the exclusive distributor for Italy of the cards, cardboards and containers Walter Klug & Co.

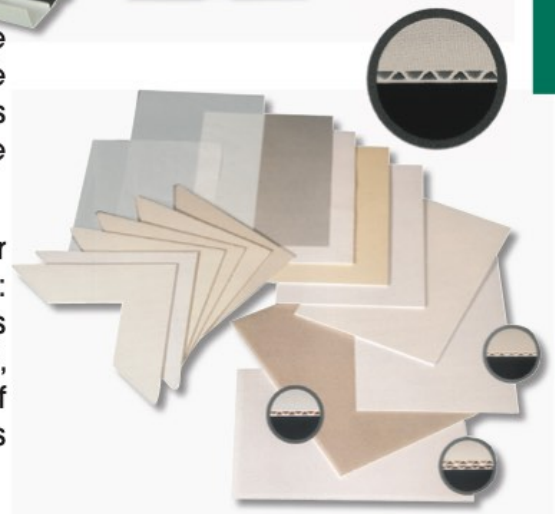
All products are conform to international current regulations:

ISO 9706 - ISO 6738
ISO 10214 - ISO 14593



All items are made of 100% alpha-cellulose; are free of recycled fibers and lignin. The pH value is between 8.0 and 9.5; acid free, the products have an alkaline reserve of calcium carbonate exceeding 4% and neutral gluing.

The vast range of products Klug includes paper and cardboard in various weights and sizes: interleaving papers, cardstock, mountboards and fittings, blotting papers, support for panels, and even folders, envelopes for storage of photographic material, boxes and containers for every need.



PAPER

PAPER AND CARDBOARD ETERNO BOARD[®], TSCHUDI CONTAINERS FOR LONG TERM STORAGE

Tschudi

Bresciani srl is the exclusive distributor for Italy Tschudi products for long term storage.

Eternal Board[®] is a compact carton of pure cellulose, bleached without chlorine, lignin free, manufactured without chemical products that produce acid and optical brighteners. Eternal Board is not paired, even in thicknesses higher. Eternal Board[®] corresponds to the ANSI and ISO standards. The product undergoes, both during and after production, strict quality control (ISO 9001 system), so as to ensure a constant quality. Since cellulose is a natural product, maybe there are sometimes changes, so even the final product may have slight differences that do not compromise the quality of the product.

For more detailed information, we invite you to apply for the specific catalog dedicated to products for the preservation of paper and photographs materials.

DISPLAY/EXHIBITION AND CONSULTATION

BOOK DISPLAY

The design allows books of a large variety of sizes and thicknesses to be supported correctly during handling by researchers. Made of 100% cotton fabric, neutral grey color.

Art. M1041 STANDARD for volumes of up to approx. 30x40 cm. (closed dim.)

Art. M1043 BIG for large volumes and newspapers.



BOOK PILLOW DISPLAY

The pillow contains inert Polyfoam crystals in a Tyvek envelope heat sealed to ensure the storage characteristics. The pillow takes the desired shape of the book and holds it in place.

Art. M1031/30 300x300 mm.

Art. M1031/50 500x500 mm.

Art. M1031/60 600x600 mm.



PAPER

SNAKE WEIGHTS Art. M1048

Practical device consisting of a set of weights coated of fabric created specifically for those in the library must consult large volumes. The necklace can be used to hold both single sheets that individual maps or documents. Can be easily cut to size for use as a support for special equipment. Length 1000 mm Weight 400 gr.

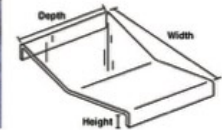


BOOK DISPLAY

IN CLEAR ACRYLIC

Available standard dimensions WxDxH:

for open book books medium format	for open book books large format
Art. M1013 15x13x2.5 cm	Art. M1011 30x50 cm
Art. M1017 15x18x2.5 cm	
Art. M1015 20x13x2.5 cm	
Art. M1019 20x18x2.5 cm	



PLYESTER FILM Art.B593/FILM

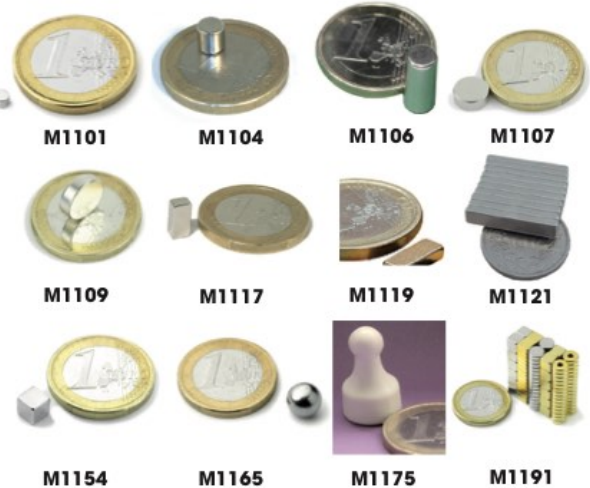
50 micron 25mmx152 m. To facilitate opening of the books on display.



NEODYMIUM MICRO AND MINI MAGNET

The magnets made of rare earths (Neodymium Iron Boron) represent the most advanced technology in terms of permanent magnets for applications such as staging an exhibit of photographs, posters, maps, individual sheets, etc. The Neodymium develops a power 7/10 times superior to conventional magnetic materials. All magnets are from display to rounded corners for safety of works, and have a surface coating of nickel and / or gold to ensure the stability at moist for better performance and aesthetics.

Article	Color	Dim. mm	Power attr.	Weight
M1101	nicel	Ø 3X h 2	250 g	0.11 g
M1104	nicel	Ø 5X h 5	800 g	0.75 g
M1106	nicel	Ø 6X h 13	1500 g	2.80 g
M1107	nicel	Ø 8X h 3	1300 g	1.20 g
M1109	nicel	Ø10X h 3	1600 g	1.80 g
M1117	nicel	8x4xh 3	900 g	0.73 g
M1119	gold	10x4xh2	1100 g	0.61 g
M1121	nicel	20x4xh2	1200 g	1.20 g
M1154	nicel	5x5x5	1100 g	0.95 g
M 1165 SPHERE	nicel	Ø 8	900 g	2.00 g
M1175 PLASTIC BODY	white	Ø 12xh20	1600 g	2.80 g
M1175/ Ø18	white	Ø 12xh20	1600 g	2.80 g



PHOTOGRAPHIC ARCHIVE STORAGE

TRANSPARENT POLYPROPYLENE AND POLYETHYLENE FOLDERS P.A.T. passed (Photographic Activity Test) for photographic archive storage
On request we can provide polyester envelopes.

FOLDERS ARCON Folders sealed on three sides, with an opening on the short side, made of transparent polypropylene, thickness 40 µ, which are available in most common photo formats PAT passed. Pack size 100 pieces.

Article	Size cm.
49804	6 x 9
49805	7 x 9
49806	9 x 13
49811	10x15
49814	13x18
49818	18x24
49819	21x27
49820	21x29.7 - A4
49821	24x30
49822	30x40
49823	40x50
49824	50x60



FILLING MECHANISM FOR PHOTOGRAPHIC ARCHIVAL

Ring binder, with 3 or 4 rings made of corrugated cardboard for long-term storage; 100% alpha cellulose, acid free, with alkaline reserve > 5% calcium carbonate; 1.6 mm thick. (indoor). P.A.T. passed. Suitable for holding envelopes with lateral perforation. Internal dimensions 315x290x55 mm.

Art. **KS3/Rings** light grey

Art. **KS3GB/Rings** blue grey



FOLDERS PRINTFILE

Pages in transparent polypropylene and polyethylene, at compartments, for storage in ring binders. PAT passed.

ARTICLE	SIZE	CONTAIN	TYPE
P35-7BXW	35 mm	7 strips da 6 frame	negatives
P120-4UB	120 mm	4 strips da 3 frame 6 x 7	negatives
P120-9HB	120 mm	9 frame 6 x 7	negatives
P225-12HB	120 mm	12 ffg 6 x 6	negatives
P45-4B	4" x 5"	4 negatives 10x12 + 1 specimen	negatives
P57-2B	5" x 7"	2 negatives 12,7 x 17,8 cm	negatives
P810-1HB	8" x 10"	1 negative 20.3 x 25.2 cm	negatives
P00A4	A4	1 negative 21 x 29.7 cm	negatives
P2X2-20HB	35 mm	20 Mounted slides	Slides
P2X2-20B	35 mm	20 Mounted slides	Slides
P4660P	4" x 6"	3(+3) prints 10 x 15 cm.	positives
P45-8P*	4" x 5"	4+(4) prints 10 x 12 cm	positives
P57-4P*	5" x 7"	2+(2) prints 12.7 x 17.8 cm	positives
P810-2P*	8" x 10"	1+(1) prints 20.3 x 25.2 cm	positives
P811-2P*	8½"x11"	1+(1) prints 21 x 27 cm	positives

PAPER



PHOTOGRAPHIC ARCHIVE STORAGE



ANTISTATIC GLOVES Art.91340-ASG

A special mixture of conductive fibres and soft synthetic thread guarantees successful cleaning. They discharge static electricity and clean dust and dirt from sensitive materials. They are ideal for the safe handling of films, plastics, optical equipment, photo, objects in plastic, or glass. They may be washed in mild detergent and water. Size: Small, Medium e Large.

ANTISTATIC BRUSH Art.61850-SW101

For removing static electricity. Composed of a mixture of natural fibers and synthetic fibers are very flexible conductive, with conductive plastic handle and cable. Width 10 cm. Washable.

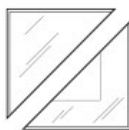


VINEGAR SYNDROME

A-D STRIPS Art.71020

MONITOR FOR PHOTOGRAPHIC FILMS

To measure the deterioration of the acetate films ("vinegar syndrome" or "syndrome acetic"). 250 pcs.



TRANSPARENT PHOTO CORNERS

In transparent polypropylene "Full View"

Art. 49832 Size 32 mm pack size 250 pcs.

Art. 49833 Size 76 mm pack size 100 pcs.

TRANSPARENT PHOTO CORNERS

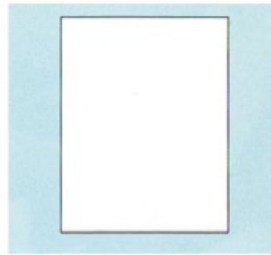
In transparent polypropylene Mylar, self adhesives.

Art. 49830 Size 13 mm conf. 240 pcs.

Art. 49831 Size 35 mm conf. 240 pcs.

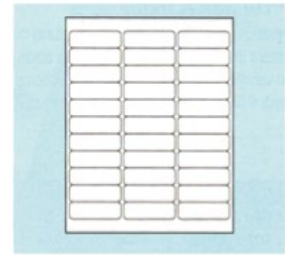
ADHESIVES LABELS

Acid free for laser printers. The labels should not be used directly on works of art, documents and photographs.



Art. P2128/ET

size 216x280 mm. 1x sh. - 50 sht.



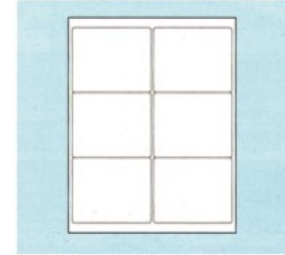
Art. P6722/ET

size 67x22 mm. 33x sh. -100 sht.



Art. P4711/ET

size 47x11 mm. 84x sh. - 30 sht.



Art. P85102/ET

size 85x102mm 6x sh. - 100 sht.

AIR CLEANING SPRAY Art. 72188/AIR

Instantly removes dust located in the less accessible. It is essential for the cleaning of lenses, lenses, computers, scanners and any delicate mechanism. Contains no CFCs. Packaging: 400 ml

ARCHIVAL INK WRITING

Art. 49380 Consisting of a bottle of ink "Actinic INK" 57 gr. steel pen and pen holder

ARCHIVAL BLACK STAMPING KIT

Art. 49384

Permanent ink "ACTINIC INK" resistant to light and water, impurity-free, chemically stable, from 57 gr.



ADHESIVE STRIPS

Art. 49835 pack size 60 pcs. In acid free cardstock and polyester Mylar. Size 102 mm.



RUBBERS/SPONGES FOR WORKS ON PAPERS RESTORETION



BATTERY OPERATED ERASER WITH RUBBER REFIL Art.18716

Offering precision and speed the battery operated eraser is just what you need to correct small areas of work quickly. Compact, sturdy eraser which can be used to erase very small areas on artwork and can also be used to create patterns and shapes as well as being a useful drawing tool. Requires 2 x AAA batteries (not included).

RUBGUM ERASER Art.69545

This unique formula gum eraser doubles as a non-abrasive eraser and a dry cleaning bar.

Using gentle pressure, a fine deep-cleaning powder is produced which will absorb and remove dirt, graphite, finger marks from both mat board and drawing paper. Extra large size 51x25x22mm



KNEADABLE ERASER

Art.18711 pack 25 gr

Mould the eraser until soft, pull into a point so it can be used to remove areas of colour or graphite.

REPLACE ERASERS FOR BATTERY PEN Art.18716/ GUM

Pack of 30 replacement erasers for use with the battery operated eraser.

PEN WITH RUBBER REFIL Art.18715

Where precise action is required eraser pen comes in a convenient shape with a comfortable grip. Replacements erasers are available separately.



ERASER PEN REFILLS Art.18715/ GUM

Replacements erasers for the precise and accurate Eraser 2 pieces pack.

VINYL ERASER HIGH QUALITY Art.18720

Premium quality for perfect performance. Minimum residues Sliding strip for functional use. Without phthalates and latex. It is preserved perfectly over time. Dimensions: 65x23x13 mm



GROOM STICK Art.69544

Moldable mass for the removal of dry substances such as dust, pigments, molds and fatty substances from any surface and in particular from paper and pegamena supports. Pack 100 gr



CREPE ERASER - ADHESIVE REMOVAL Art.69546.

Crepe Erasers are generally the best material for removing adhesive residue left behind when removing pressure sensitive tapes, like sellotape (a must for paper conservators). Manufactured in an off-white colour to show any adhesive or surface dirt removed. They take their name due to the crinkled surface which aids the mechanical cleaning action. These erasers have numerous uses. Cleaning old tape adhesive residues from the surface of paper, wood and other media. Can also be used for easily removing excess rubber cement and other adhesives. For cleaning marks from leather and suede. Simply cut into shape for getting into those small areas.



SPONGES WISHAB "AKAPAD WHITE" Art.18828

The white part of the sponge has been developed for the delicate cleaning of antique papers, maps, and other surfaces of very delicate documents.



WISHAB SOFT POWDER Art.18727/P50S

white colour

WISHAB EXTRA SOFT POWDER

Art.18728/SP50S

white colour Pack .500 gr



DRY CLEANING SPONGES Art.69542

in vulcanized natural latex

Made of vulcanized natural rubber, our dry cleaning sponges will effectively remove soot and smoke damage from wallpaper, painted metal and wood surfaces, fabrics and a variety of additional surfaces. Widely used for clean-up following fire damage, the cleaning applications for these versatile sponges continue to grow. Dimension: 76x152x45 mm. Weight: 182 g



DRAFT CLEAN PADS

Art.69541/SC11S

Document cleaning pad

For papers and documents.

Draft cleaning powder lifts and absorbs dirt and dust from paper. Once the area is clean simply brush the residue away. Use cotton wool to rub the particles over the surface of the paper. Packaging 115 g.

VACUUM ARCHIVE STORAGE



VACUUM PRESSING MACHINE

Vacuum presses for storage of newspapers and periodicals. Equipped with optional input inert gas for disinfection treatments. Structure in brushed stainless steel. Electric pumps vacuum cleaning with double body. Cycle control by microprocessor. Using embossed bags. Average length of cycle: 20 seconds.

Article	Welding mm	Watt	Dim. cm	Weight Kg
69731	500	700	70x30x150	24
69731/maxi	800	1000	90x36x20	35

PAPER

EMBOSSED BAGS

Bags for storage vacuum or in an inert atmosphere of books and newspapers open on the short side. One side smooth one side embossed transparent. Realized in multilayer film plastic (PA-EVA-PE) poly-barrier, impermeable to oxygen and water vapor, high puncture resistance. Thickness 140 µ. For presses Art 69731.

Article	Size mm	Pack size pieces
69754/4050	400 x 500	400
69754/4070	400 x 700	200
69754/5060	500 x 600	200
69754/5060	500 x 900	200
69754/6070	600 x 700	200

TRANSPARENT BAGS FOR BELL VACCUM PRESS

Bags for storage under vacuum or inert atmosphere of books and newspapers open on the short side and made of transparent film multilayer plastic (PA-EVA-PE) poly-barrier, impermeable to oxygen and water vapor and with high resistance to perforation. Weight 140 gr / sqm.

Article	Size mm	Pack size pieces
69751/3040	300 x 400	800
69751/3545	350 x 450	500
69751/4050	400 x 500	400
69751/5070	500 x 700	250
69751/6080	600 x 800	200

POLYESTER WELDING MACHINE Art. 69721

Practical and efficient system to realize tailored pocket for ancient documents, maps, prints, photographs, newspapers, etc.. For over twenty years is used to encapsulate documents deteriorated. Weld length: 750mm. Polyester Thickness: 23 to 175 microns. Dimensions: 77x75x12cm - Weight: 15 kg - Power supply 230 volts/50Hz.



CROSSWEL POLYESTER FILM SEALING MACHINE Art. 69722

Allows the welding between among them with films from 12 to 350 micron polyester and other materials as Reemay, MELINEX, HOLYTEX, TYVEK. It can also be welded on polyester cardboard neutral pH. The machine has an open side which allows to get to weld up to 1400 mm, welding alternately the casing from two parts. The plan black color has a white cross hatch to help the alignment of sheets of welding. Sealing bar 700mm. Dimensions: 870x680x240 cm. Weight: 58 Kg Power supply 230 volt/50Hz.



DIGITAL ARCHIVE STORAGE



BOOK AND DOCUMENTS SCANNER FORMAT A2+ COLOR

Art.72225

The workstation consists of the following units:

Vertical scanner Colour A2 +, machine network with TCP / IP, with resolution up to 600 dpi

- Acquisition from non-contact
- Swinging motorized system and integrated into the camera body and press the original crystal;
- acquisition size up to size 63 x 42cm;
- Plans to work with independent movement in four directions;
- Management registers with rib thickness of up to 10 cm;
- Lighting system 2 side lamps to cool lights without UV and IR and synchronized with the scan;
- CCD camera head with 106 M pixels,
- Scan speed 200, 300, 400, 600 dpi

- Optical resolution on A2 size of 400 x 600 dpi
- Acquisition mode in color, grayscale, up to 256 levels and in black and white;
- Work platform Windows NT-XP and 2000. Dedicated software with functions of curvature correction pages, deleting edges blacks, auto-rotate, etc.. Dedicated Personal Computer



MOTORIZED MICROFILM READER Art.72220

Virtual tilted screen upper A2 580 x 580 cm drag and motorized film.

Reader for 16/35mm reels to power driven applications library. Project the image on the lower floor. The researcher will read the document as if the original is placed on the table. The screen 580x580 mm allows you to read the newspapers at full page. The controls are all located on the front. It is equipped with a zoom lens 21x 9x for magnification, condenser lens adjustable for a perfect spread of brightness, rotation, film, scan +/- 90 °, automatic opening slide at high speed so as not to damage the film, motorized vertical scan frame.

STAND COLUMN MINI REPRO

Art. 72251/NEW REPRODUCTION SYSTEM

Support designed for use with video cameras and cameras for image capture and reproduction of photographs, documents and small items. Column height 107 cm. with universal mounting, reproduction plan 60 x60 cm. Complete with lampholders with reflector (max 150W) lamps not included.

Art.78612/35W SPIRAL FLUORESCENT BULB 35W (eq. 150 Watt) 5500°K E27



Art. 72251/NEW



Art. 72254/NEW

UNIVERSAL LIGHTING SET 2 BANKS

Art. 72271/NEW

Cold-light unit with two light banks, each one fitted with one daylight fluorescent lamp. Lights can be tilted. Horizontal lamp arms can be adjusted continuously in height. Vertical lamp arms with height markings, tiltable with detents. Mounted with strong die-cast clamp bases, clamp width up to 48 mm. Lamps: 2 x 36 watt Color temperature: 5400 K. Color rendition index: CRI = 90 -100 (1A). Light emitting area: 50 x 21 cm

FLUORESCENT SPIRAL

LAMP BULB Art.78612/35W

35 W 5500°K E27 (eq. 150 Watt)



LED LAMP BULB

Art.78612/LED 15

5 W 5600°K



Art. 72271/NEW

MAXIREPRO STAND COLUMN

Art. 72254/NEW REPRODUCTION SYSTEM

Composed of column 125 cm. With ratchet mechanism with handle. Suitable for digital or reflex 35 mm cameras and 6x6. Plan 60 x 50 cm.

LAMPS FOR LABORATORY



Art. 78214/SLED



Art. 78214/LED12



Art. 78212/ECO

DESKTOP MAGNIFYNG LAMPS

Article	78214/SLED	78214/LED12	78212/ECO
Type	CIRCULAR SUPERLED	RECTANGULAR	CIRCULAR FLUORESCENT
Power	28 Watt n	12 Watt	22 Watt
Lumen	1250 Lumen	1200 Lumen	1300 Lumen
Light color	-	56000°/6000°K	-
Lens diameter	170 mm	127 mm	120 mm
Lens	3 diopter	3 diopter	3 diopter
Arm Length	90 cm	90 cm	120 cm
Power supply	230 Volt / 50 Hz	230 Volt / 50 Hz	230 Volt / 50 Hz
Clamp standard	table	table	table
Pantograph	internal springs	internal springs	external springs



Art. 78215/ECO1



Art. 78215/LED

DESKTOP LAMPS

Article	78215/ECO1	78215/LED
Power	2 x 15 Watt	24 Watt
Lumen	1400 Lumen	2200 Lumen
Light color	6400° K	5600°/6000 K
Power supply	230 V / 50 Hz	230 V / 50 Hz
Arm Length	80 cm	90 cm
Pantograph	external springs	internal springs
lamp standard	table	table

SPECIAL FLUORESCENT TUBES

Article	78511	78216	78155
Type	TRUE-LITE	DAY-LITE	WOOD
Power	15 Watt	15 Watt	15 Watt
Light color	5500°K	5400°K	UV 315-400 nm
CRI	96	90	

INFRARED LAMP Art. 78129 IR per essiccazione reperti

Equipped with internal spring-arm pantograph 150 watt infrared spotlight IR source: incandescent spotlight ø100mm E27 230V-50hZ. floor Stand: 5 feet with castors. Weight: 7,8 Kg.

Art. 78129 IR



Art. 78559

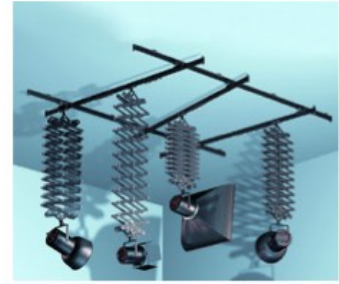
TROLLEY STAND 5 SPOKE Art. 78559

Stand ø 55 cm. with castors, with internal spring rod adjustable in height from 75 to 105 cm. Suitable for all arm lamps.

LAMPS FOR LABORATORY

AIR HANDLING SYSTEM LIGHTING, CEILING MOUNT WITH TRACKS AND PANTOGRAPHS FOR 3x4m² Art. 78635

The rail system ceiling is very versatile and allows complete freedom of placement of lamps, flash heads, soft box. This specially designed suspension system has a capacity of 1 to 15 kg and the pantograph allows you to easily hang the lamp head, flash or any accessory at the right height. The first pair of rails is mounted to the ceiling, the other tracks are free to move relative to the first so this way you have complete freedom to place your accessories. The set is also expandable with additional rails or pantographs. The basic system is supplied with the following components: 2 x 3 meters of rail, 2 x 4 binary, 4 pantographs.



SUPERLED Art. 78614/200

The illuminators SuperLED 200 W thanks to the new generation Multi-LED lamps, allow to obtain results never before seen, both as regards the chromatic yield for both the amount of light generated, all without emission of thermal radiation in 'infrared. Only 100W/200W consumption, but yield at a light source 1000W/2000W. In addition to long lamp life (about 100,000 hours) the Superled can assemble a varies range of reflectors (Art.78615/R55 mounted on the lamp, pictured), Art.78615/R1 for grazing light photo at right) and administered over that from control panel located on the back (power and control) using a special remote control (Art.78615/TRS). The illuminators Superled are compatible with all media line SUPERNATURLUX.



Art. 78614/200

SUPERNATURLUX LED PANEL Art. 7861/68

Lamp specially designed for the restoration, can also be used for digital photography, easily transportable. With LED brightness dimmer high brightness 68W total 5600° K, 5100 lumen . Optional stand height adjustable 3-spoke wheels or without wheels.

Voltage: 110-240V
 Consumption: 68W
 Lamp life: > 20,000 hours
 Luminous flux: 5100 lumen
 Color temperature: 5600° K
 Control: with dimmer 0-100% continuous emission.
 Body: high strength plastic material.
 Size: 35x420x5,3 cm (head only)
 Weight: 2 kg (head only)



Art. 78610/LED



SUPERSTAND ARM BALANCE Art. 78625

Stand with articulated arm with counterweight designed for the use of LED illuminators or fluorescent tubes on flat surfaces and large objects. In the movement of rise, thanks to the special joint is maintained the orientation of the light. Made of aluminum painted black. Equipped with adjustable counterweight for perfect balancing of the various illuminators mounted, up to a weight of 10 kg. Features: Height adjustment: 400/3000 mm Extension max: 2000 mm Weight: 18 Kg Maximum loaded weight: 10 kg.



Art. 78625

STAND WITH BOOM, WHEELS AND FONDILG LEGS Art. 78624

Made of steel/aluminum base with 3 folding legs/4 lockable wheels design for easily transportation. Universal connection for lamps study. Adjustable in height with 2 telescopic sections. Main support tube ø 50 mm. Weight 15 kg.



LAMPS FOR LABORATORY

LAMPS SUPERLED 60 Art.78614/60

The illuminator SuperLed 60 thanks to the Multi-LED lamp of new generation, allows to obtain results never before seen, both as regards the chromatic yield for both the amount of light generated. Consumption of only 60W, but some performance as a illuminator 600W. Light Yield: 8500 Lumen. Colour Temperature: 5500°K ± 200K LED life: 100.000 hours. Input voltage: AC 100-240V 50/60Hz. SONY NP-F Battery. Power Control: 10% -100%. Weight: 0.6 Kg.



Art. 76556/160

LAMP SUPERLED CASE 60 Art.76556/160

SUPERNATURLUX LAMPS

Lamps designed specifically for the restoration can also be used for digital photography, easily transportable thanks to the foldable stand which can be mounted special wheels. Equipped with 4 or 6 high brightness fluorescent tubes Dulux L 55W electronically stabilized to avoid oscillations of the light beam. Light color 5.400°Kelvin, CRI 98/100. They have four wings to convey perfectly the light on the subject. You can switch 2+2 or 3+3 lamps without changing the color temperature emitted.



Art. 78612/4x35

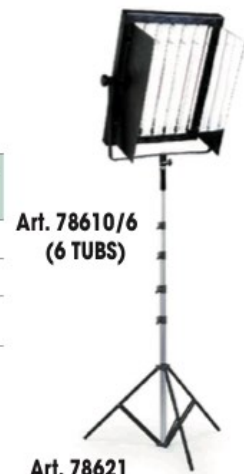
Article	78610	78610/6	78612/4x35
Type	4 TUBES	6 TUBES	4 LAMPS BULBS
Power	4 x 55 Watt	6 x 55 Watt	4 x 35 Wat
Power Supply	230 V/ 50 Hz	230 Vo 50 Hz	230 Vo 50 Hz
Lumen	12000 lumen	18000 lumen	9600 lumen
Power Halogen	1000W	1500W	6000W
Head dimensions ø	60x34x5 cm	60x46x5 cm	34x31 cm
Head weight	4.5 Kg	5.8 Kg	2 Kg.



Art. 78610 (4 TUBS)

LAMP STANDS SUPER NATURLUX

Type	Materia	Adjustment height	Max load	Support tube	Weight
78621	anodized aluminum	100/260 cm.	5 Kg.	ø 27 mm.	1,9 Kg.
78121/FLAT	chromed steel	110/238 cm.	10 Kg.	ø 35 mm.	5 Kg.
78621/BIG	anodized aluminum	100/300 cm.	7 Kg.	ø 33 mm.	2,3 Kg



Art. 78610/6 (6 TUBS)

Art. 78621

UNIVERSAL SUPER CLAMP Art.78623



LED LAMP BULB15 W 5600°K ECRI 95 E27 Art.78612/LED 15
Screw connection E27



FLUORESCENT SPIRAL LAMP BULB 35 W 5500°K E27 Art.78612/35W



Art. 78121/FLAT

WOOD LIGHT, FLUORESCENT LAMP BULB 25W Art.78133

FURNITURE FOR LABORATORY



TROLLEY WITH DRAWERS Art. 81305

Made of welded structural in iron. They are painted with epoxy powders. Color grey, 3 drawers with lock and revolving wheels.

Art. 81305 Dim.: 520 x 604 x 800 (h) mm

Art. 81305/UFF Dim.: 420 x 580 x 550 (h) mm
for benches/desks h 75 cm.



TROLLEY, BEECH WOODEN TOP Art. 81307

Made of welded structural in iron. They are painted with epoxy powders. Color grey. The working surface on beech wooden of 40 mm. Central drawer with lock, to slide on ball bearing.

Revolving wheels: Ø 125 mm.

Dim. 1000x750x825 (h) mm



FURNITURE

TROLLEY WITH 3 BATHS

Made of welded structural in iron. They are painted with epoxy powders. Color grey

Art. 81306 Dim. 800 x 420 x 800 (h) mm. Revolving wheels: Ø 80 mm.

Art. 81306/BIG Dim. 1000 x 600 x 825 (h) mm. Revolving wheels: Ø 125 mm.

STAINLESS STEEL TROLLEY

With two shelves inox AISI304.

Revolving wheels Ø 100 mm - 2 brake

Art. 81301 650x500x935 mm

Art. 81302/cass 880x580x930 mm

Art. 81303 1000x500x935 mm

Art. 81303/cass 1080x580x930 mm



Art. 81303

Art. 81301



Art. 81303/CASS



Art. 80353

CABINET IN ABS Art. 80353

Consisting of a base with 4 wheels and body with 3 drawers size A4 and 1 with lock. On the top are obtained 2 vertical compartments roll holder. Dim. 400x430x780(h)mm



Art. 81295

STAINLESS STEEL DUSTBIN

Opening by pedal - harmful waste

Art. 81316 50lt. h 615 mm wheels ø 390

Art. 81317 105lt. h 740 mm wheels ø 460



Art. 81316/17

STEEL HOLDER TROLLEY type ZETA

Art. 81295 Black steel holder, with 4 revolving wheels, for restoration/painting workshop with 2 shelves with removable stainless steel trays. Dim. 71x45x80 h cm. Weight 16 Kg.

CABINET

Art. 81311 Built in stove enamelled steel sheet thickness. 7-8/10 to hinged doors with 4 adjustable shelves and lock. Block. Dim: 1000x600x2000(h) mm

Art. 81313 as Art. 81311

Dim. 1000x450x2000 (h) mm. Delivered disassembled.



TROLLEY WORKING SURFACE

in steel painted, 2 revolving wheels + 2 fixed

Art. 81304 working surface 1000 x 600 mm capacity 300 Kg. wheels ø 160mm

Art. 81304/BIS working surface 1400 x 800 mm. Capacity 500 Kg. wheels ø 160mm



Art. 81311/13

SPECIAL TABLES AND ELEVATORS

FURNITURE

LIFTING WORKING TABLE

Professional painted steel table with adjustable height using a foot operated pump.

Equipped with wheels Ø 125 mm, two with brakes.

Art.81345 Top in beech wood 30 mm thickness.

Article	81343	81345
Capacity Kg	300	300
Effective stroke mm	610	610
Height min. mm	400	400
Height max mm	1010	1010
Working plane mm	1000 x 600	2000 x 1000
Weight Kg	75	150
Top	metal	wood



Art.81345



Art.81345 Version with perforated top and inclinable up to approximately 58 ° with hydraulic tilting device.

Art.81345 In the version with perforated plate are available: numerous accessories:

Solid beech worktop 30mm thick perforated inserts

Clamp quick clamping

Pin beat

Beat single

Fixing clamp



Art.81343

WHEELED PLATFORMS

Wheels Wulkollan Ø mm 125. Essential equipment for the handling and restoration of statues, furniture and other objects. Allows you to pull objects at the correct height of the operator effortlessly thanks to the hydraulic system manually operated. Base supporting frames and cargo plan made of welded steel profiles. Folding handle. Cargo plan into a smooth sheet. Single-acting manual pump, pedal. Lever for adjustable descent speed. Handling on wheels adiprene mounted on bearings - 2 with brake. Varnishing acrylic powders.

Article	81357	81359
Capacity Kg	500	500
Dim. close mm	850x500x285	1650x810x285
Max height mm	880	915
Plan mm	800 x 500	1600 x 810
Weight Kg	82	154
Wheels: 2 with brake	Ø125mm	Ø125mm



Art.81357



Art.81359

HYDRAULIC LIFTING PLATFORM

Art.81351 Robust steel frame with smooth surface, single-acting lift cylinders with drainage, limit up and down with mechanical stops, electro-hydraulic power Internal. Optional accessories: frame with wheels and manual rotating plan 360°.

Capacity 500 Kg; High stroke 1000 mm. Platform 1500x800 mm; Closed dimensions 220 mm; Motor 0.55 Kw; Power supply 380 V 50 Hz three phase (Optional 220 V Single Phase)



Art.81351



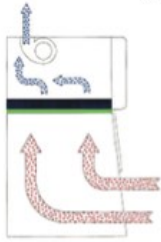
CHEMICAL HOOD AND FURNITURE FOR LABORATORIES



FUME HOOD INOX STEEL Art. 75401

The fume hood is composed of an external electro-galvanized sheet steel 10/10 and coated with durable epoxy paint, interior and stainless steel, sliding tempered glass with anodized aluminum frame, suction system, control panel, power sockets. The external and internal metal case is made of stainless steel plate 10/10 Stainless steel base panels - Sliding tempered glass with counterweights - Supporting legs with adjustable feet - Electrical panel with circuit breaker and time - 2 Sockets 220V internal - Interior lighting 60 W 220 V - 500 W with electro stainless steel pre-filter and activated carbon filter. Dim: (LxWxH) 1200 x 700/800 x 2000 mm

Art. 75401



Art. 75541



CHEMICAL HOOD LIGHT 900 Art.75541

LIGHT 900 is an exhausting chemical hood using filters of activated carbon for toxic polluting fumes and for bad smelling aerosol. LIGHT CARBO 900 is a hood suitable for the handling of organic and inorganic materials which produce toxic or bad smelling fumes. All the molecules harmful to breathing and to the room are retained in its filters. No fixed installation or pipe-fitting is required with it. It can then be installed over any bench. Product conforms to safety standards and EMC under permanent control of the TUV-GS. Built and certified according to UNI EN 14175. Casing realized in powdered painted steel. Removable working benchtop in stainless steel 304. Bottom in stainless steel AISI 304. Working surface: 2 liter. Filtered air volume: 320 mc/hour. Average air speed: 0.50 m/sec. Volume 0,34 mc. Lighting by 18 W fluorescent lamp. Pre filter in synthetic material (75% efficiency). Carbon filters. Two speed fan switch. Filter digital work counter (max. 9999 hours).

Inner dim.: mm 700x630x770h - Overall dim.: mm 750x670x1060h
Weight Kg 54 Power supply: 230V-50Hz. Electrical input: 110 W+440W

Accessories e replacement:

Art.75543 Fixed support table Dimensions:800x800x840h mm

Art.75545 Kit wheels for support table

Art.75551 Activated carbon filter



Art. 34231

SOLVENT EXTRACTOR KIT 2000 Art. 34231

The kit consists of a extraction arm with swivel, table bracket, filter unit and fan. The speed of the fan is variably controlled by a speed controller. Complete with hose and combination hood. The hood is made of clear plastic, which increases the visibility. Voltage 220-240 V; Frequency 50/60 Hz; Power 170W. Sound level 60dB(A). Aluminium arm ø 50 mm 110 mm. Hose ø 75 mm, length 2,5 mt. Filter cartridge consists of particle, hepa and gas filter. Filtration degree 99.97% at 0.3"m DOP. Filter area particle filter: 2,5m2. Activated carbon content: 1.3 Kg . Weight 8,4 Kg (filter and fan)

FILTER CARTRIDGE Art. 34243

LINE OF MODULAR FURNITURE AND ACCESSORIES FOR RESTORATION LABORATORIES.

Modular structures (depth 650 mm - height 900 mm) in electro-galvanized steel painted with epoxy powders in the oven for an effective protection against external attacks (abrasions, smoke, vapor, humidity, etc..). Worktops in laminate fireproof high density.



Example of combination with low chest of drawers, corner bench and 1 seat bench with high chest of drawers.

ANGULAR WORKBENCH Art. 75403

Total width 1080 mm. Complete with control panel, power socket, air gun with automatic return and regulator, plug connection handpiece, 3 drawers, predisposition for exhaust fan.

WORKBENCH 1 PLACE WITH CHEST OF DRAWERS Art. 75404

Total width 1220 mm (710 mm bench - 500 mm chest of drawers). Equipped with electrical panel, power socket, socket for micro motor, gas valve and air gun. High chest of drawers of 4 drawers.

WORKBENCH 2 PLACES WITH CHEST OF DRAWERS Art. 75405

Total width 1930 mm (710 mm bench - 500 mm chest of drawers). Equipped with 2 electrical panels, 2 power sockets, 2 sockets for micro motor, 2 gas valves and air guns. High chest of drawers of 4 drawers.



Art. 75405



Art. 75404

HIGH CHEST OF DRAWERS OF 4 DRAWERS Art. 75406

Total width 500 mm. depth 650 mm

LOW CHEST OF DRAWERS OF 4 DRAWERS Art. 75407

Total width 500 mm. depth 650 mm

FURNITURE FOR LABORATORY

FURNITURE



WASHING TUBS IN STAINLESS STEEL

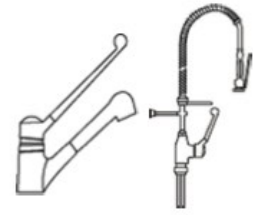
Require catalog.

Faucets for washing tubs

Art. 75499/MIXD Single-hole sink-mixer with pull-out shower.

Art. 75499/DOCM Single lever with mixer tap and shower head.

They are available in a variety of other measures with double sink and cabinet with undersink



WASHING TUBS LARGE SIZE

Series are equipped with a mobile grid for the support of the objects in the drying phase, the siphon and overflow drain. Taps not included. Version with shelf. Dimensions: H + Lx Px rear edge

Art. 75492/16070

Single sink 1000 x 700 x 900+100 mm - Dim. tub 860 x 500 x 375 mm

Art. 75492/18070

Single sink 1200 x 700 x 900+100 mm - Dim. tub 1160 x 500 x 375 mm

Art. 75492/20070

Single sink 2000 x 700 x 900+100 mm - Dim. tub 1360 x 500 x 375 mm



LABORATORY BENCH IN STAINLESS STEEL

Tubular stainless steel structure 40x40 and 50x50 mm, top 10/10 and bottom

reinforced, leveling feet, with optional wheels.

Art. 81325/200 Dimensions 2000x700x900(h) mm



LABORATORY BENCH

Laminate in teak or gray RAL7004 color with rounded black PVC edge in accordance with regulation 626. Tubular steel section 40x40x2 mm. Epoxy varnishing.

Art. 81324/150 150x75x90 (h) cm

Art. 81324/200 200x75x90 (h) cm

Art. 81324/250 250x75x90 (h) cm



WORK BENCH

Top in multilayer steamed beech 40 mm. Lower in reinforced sheet. Structure in tubular steel 60x40x2mm. Grey color RAL7004. Central drawer with lock, to slide on ball bearing.

Art. 81321 150x75x90 (h) cm 1 drawer

Art. 81323 200x75x90 (h) cm 2 drawers



Art. 81321



Art. 81323

DESKS FOR CLASSROOMS AND COMPUTER COURSES

Benches characterized by a modern line with a metal frame color ANTHRACITE GREY (on request also ALUMINIUM color) and tops in agglomerate wood 28 mm covered with melamine in GREY ICE (other colors are kind wood finish CHERRY and OAK). The supporting structure is made of tubular uprights made of \varnothing 50mm with adjustable feet, welded above the double flange which allows the engagement of the beam in extensible shaped sheet and engagement of the cap fairleads; the whole structure is electrified and is painted with baked with epoxy powders. Dimensions of plans available: 140/160/180 x 80 cm. Total height of the worktop 75 cm from the ground.

Certifications: CATAS (authorized laboratory tests), E1 (low emitting formaldehyde materials), EEC (accordance with regulations); UNI (accordance with): EN 120/95; UNI EN 323/94; UNI EN 319/94; UNI EN 310/94; UNI EN 311/93; UNI EN 324-1/94 and UNI EN 322/94.



FURNITURE FOR LABORATORY



Art. 80363/SEDIA



Art. 80369/GAS

REVOLVING SEAT WITH GAS ASSISTED LIFT

Revolving seat, height adjustable cm. 42/55 with gas assisted lift.

Art. 80363/SEDIA - Seat with anatomical shaping covered in polyurethane foam cold black. Dimensions:50x50x54/h105/115 cm. Weight: 14 Kg

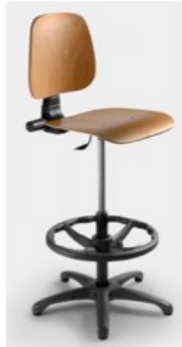
Art. 80369/GAS - Beechwood with revolving five-leg ABS black, adjustable backrest in depth and height, and seat height adjustable. Dimensions:50x58xh105/115 cm. Weight: 17 Kg

STOOL WITH BACKREST Art. 80365/GAS

Beechwood with revolving five-leg ABS black, footrest antislip, adjustable backrest in depth and height, and seat height adjustable from 54 to 80 cm. Dimensions:50x58xh100/120 cm Weight: 19 Kg

Art. 80367/GAS - Like Art 80635/GAS seat in fire-proof fabric (color black, red/blue/ grey on demand).

Art. 80363 - Revolving stool with seat in polyurethane, back for study, gas assisted lift



Art. 80365/GAS



Art. 80367/GAS



Art. 80363

BEECHWOOD STOOL WITHOUT BACK Art. 80361

Beechwood with revolving five-legs ABS black, footrest antislip, seat height adjustable from 54 to 80 cm. Dimensions:50x50x54/80 cm

REVOLVING ERGONOMIC STOOL WITHOUT BACK GAS ASSISTED LIFT Art. 80362/LOW

Seat with anatomical shaping covered in polyurethane foam cold black, with revolving five-legs ABS black, footrest, seat height adjustable from 42 to 55 cm. Dimensions:50x50x54/80 cm. Weight: 14 Kg

Art. 80362 with footrest antislip. Gas assisted lift cm. 55/80.

Art. 80361



Art. 80362



Art. 80362/LOW

LINE PROFESSIONAL CHAIRS FOR LABORATORY

FIREPROOF FABRIC COATING

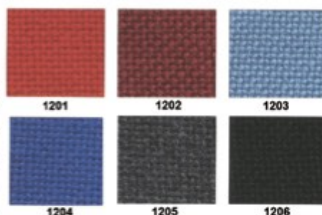
Art.80375/GAS (with armrests)

Art.80371/GAS (without armrests)

Collection of chairs designed for computer science, technical design, and all the scientific or restoration laboratories. They are characterized by a good ergonomic support and an avant-garde design. Seat and back made of plastic reinforced, shockproof outer protective casing in PVC. Padding in polyurethane foam. Seat height adjustment by gas lift, adjustable backrest angle through permanent contact mechanism. The armrests are made of steel coated with polyurethane. 5 star base reinforced nylon with swivel castors. The coatings are standard in fireproof fabric (standard color black on request blue / red / gray, etc.).

Accordance with DL.626 of 19/09/1994.

Accordance with with UNI 1335. 1335-2 p. 4.1 general requirements of security.1335-3 p. 5 stability.1336-3 p. 6.2 effort wheels.1335-3 p. 6.1 rolling.



OVENS - FURNITURE FOR LABORATORY

FURNITURE

FURNITURE FOR CHEMICAL LABORATORIES

Line of modular furniture for chemical/biological laboratories characterized by the highest linearity and cleaning of forms and volumes. It has all the necessary technical and functional characteristics. It is modular with a large number of elements: fume hoods, wall or central benches with or without spines, antivibration tables for analytical balances and sinks. All furnishings are made in accordance with regulations. **Specifications:** Bearing structures made of structural steel section 60x30 mm. 2.0 thick powder-coated sp.80 microns. Plans in monolithic stoneware KERAPLAN, anti-acid, thickness 38 mm, equipped with raised containment edging with solution of continuity, conforming to DIN12916. There are also available plans in fireproof wood 30 mm, coated on both sides with scratch-resistant plastic laminate HPL 1.2 mm or AISI 316 stainless steel. Wash tanks in isotactic polypropylene 40 mm..



LABORATORY OVENS AT NATURAL AIR

Professional natural air convection oven ideal for all thermostatic applications where a specific precision is needed. Outer body in steel coated in epoxy anti-acid paint. Inner structure in stainless steel AISI 304 with rounded corners. Double insulation door with silicone seal to prevent heat loss. Thermal insulation with mineral fibre. Digital display P.I.D. Thermostat to ensure good stability. Temperature range from +50°C to +250°C. Accuracy to $\pm 3^\circ\text{C}$ to 150°C. Display precision $\pm 1^\circ\text{C}$. For further protection the oven is equipped with visual alarm security thermostat and manual resetting. Steel shelves adjustable in height. Panel commands isolated. Heating elements are not in contact with internal chamber but are in an ante-chamber to guarantee uniform heating. Illuminated two phase main switch.



Art. 75221/20VN

Art. 75221/400VN

Article	75221/20VN	75221/40VN	75221/80VN	75221/120VN	75221/250VN	75221/400VN
Volume lt.	18	40	80	120	250	400
Dim. external LxWxH mm	500x390x320	680x495x573	790x550x680	830x655x720	950x710x1020	900x810x1475
Dim. internal LxWxH mm	300x300x200	344x210x431	455x370x472	490x475x570	592x520x800	700x600x1010
Shelves	2	1	2	2	2	2
Power Watt	600	700	1200	1600	2500	3200
Power supply Volt	230	230	230	230	230	230
Weight Kg	15	37	50	60	120	160

MUFFLE FURNACE



Resistor in KANTHAL commanded by electronic digital temperature controller. Automatic power off to opening door. Structure with painted steel external shell.

Article	75231/B
Temperature °C	1100
Power kW	2
Power supply	220 volt Hz 50-60
Energy consumption at 1000°C Kwh	0.8
Heating time minuts	70
Dim.internal (LxPxH) cm	170x170x110
Dim. external	350x520x570
Weight Kg	40

SAFETY CABINETS FOR CHEMICAL PRODUCTS

SAFETY CABINETS FOR STORING OF CHEMICAL PRODUCTS ACIDS AND SOLVENTS

Made entirely of galvanized plate thickness 10/10 + 10 0/10 mm painted with epoxy antiacid (yellow color as per Legislative Decree 626/94) electrostatically applied through passage in heat tunnel at 200 °C, after to phosphating washing and degreasing.

SAFETYBOX AAF 120 NEW Art. 91973

ASPIRATED AND FILTERED CABINET FOR STORING CHEMICAL PRODUCTS, ACIDS AND SOLVENTS.

In accordance with EN 61010-1 / EN 14727, TEST PP 52125A

Produced in electrogalvanized plate of 10/10 + 10/10 mm and painted with epoxide antiacid dusts applied electrostatically and subsequently placed in thermic gallery at 200 °C. The cupboard is composed of 3 basin-like shelves in AISI 304 stainless steel to a thickness of 10/10 mm for containing liquid, should the containers incidentally break. It equipped with the E-FLOW ® series system that automatically regulates the intake flow by opening and closing doors.

- Plated steel electric exhaust fan with external rotor IP44 thermoprotected motor. EN 60335-2-80 E EN 50366
- IP55 console with general switch, timer, ON/OFF power lights and bell.
- Power supply 230 Volt/ 50 Hz
- Absorption 65 Watt



FURNITURE



E-FLOW

Art. 91973

Article	91973	91979	91977/W	91987	91983
Type	AA 120 NEW	600	AAFW 600	AB 600	AB 900/50
External dimensions cm	120x50x199,8 h	50x60 x 69 h	60x50x199 0h	60x50 x201 h	90x54 x72 h
Internal dimensioni cm	112x 45x150 h	53x45 x150 h	53x46,3x153,3 h	52x44 x72+78 h	38+38x49x 58h
Weight Kg	155	83	101	105	70
Storage volume lt	circa 766 litri	378	402	342	212
N° shelves/ Capacity lt	3/15	3/8	3/7	4/8	4/6
Shelves capacity Kg	44	24	44	8	6
Storage shelves Kg	100	50	40/100	40/100	40/100



Art.91977/W



Art. 91979



Art. 91987

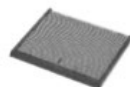


Art. 91983



CARBOX SPARE FILTER

Art. 91835F



UTOMATIC EXTINGUISHER

Art. 91830



SAFETY CABINETS FOR INFLAMMABLES

SAFETY BOX FOR STORAGE OF LIQUID AND SOLID INFLAMMABLE PRODUCTS N ACCORDANCE WITH EN 14470-1 NORM

FIRE RESISTANCE 'TYPE 90' -90 min.- CERTIFICATED TUV n. Z1 05 12 31739 013

FURNITURE

- Completely produced in pickled steel thickness 10/10 mm., painted with epoxide acid-proof dusts and passage through thermic tunnel at 200°C.
- Thickness of painting from a minimum of 60 micron to a maximum of 25 micron as per UNI EN ISO 9001 procedure.
- Certified palletized base: for easier transportation of the cabinet.
- External monolithic construction, internal body resistant to corrosive products.
- Innovative fire-proof insulation made of highly fire resistant material, completely ecological.
- Double, inflatable and anti-dust trimmings, with protection against "cold and hot fumes".
- Door's closure with thermic device at 50° C. Not electric.
- Patented safety carch "Ignis-lock" that keeps the doors closed in case of fire.
- Two mechanical certified safety valves with automatic closure at $70 \pm 10^\circ \text{C}$. (\varnothing 100 mm.)
- 3 tray-shaped shelves adjustable in height by racks, and bottom basin; all made of electro galvanized steel painted with epoxide acid-proof dusts.
- Security lock with key and extractable cylinder
- "Danger" warning stickers (DIN 4844 and ISO 3864)
- Grounding connection to discharge built-up of static electricity.
- Levelling feet for balance.
- Product and public liability insurance" valid for life long of the cabinet.
- Usage and maintenance manual.
- Packaging with "Tipping over system" device.



Art. 91954/S



Art. 91958/S



Art. 91960



Art. 91959-61/CARR



Art. 91962



Art. 91835/MINI

Article	91954/S	91958/S	91960	91962	91835MINI
Type	AC 1200 S	AC 600 S	AC 1200/50 CM	AC 600/50 CM	MINIBOX
Externl dim. cm	120 x 64 x 195h	120 x 64 x 195h	110 x 51 x 60h	59.5 x 51 x 60h	40x40x47h
Internal dim. cm	105,3 x 49,5 x 173,1h	53,3 x 49.5 x 173,1h	93 x 39.5 x 44.5h	43 x 39.5 x 44.5h	30x30x33h
Max depth cm	73	73	60	60	40
Weight Kg	380	252	240	140	35
Internal volume lt	902	456	164	75	30
N° shelves	3	3	1	1	
Capacity shelves lt	14	7			
Cap.bottom basin lt	45	20	14	7	
Supporting trolley			Art. 91959/CARR	Art. 91961/CARR	

COMBINED SAFETY CABINETS

SAFETY BOX FOR COMBINED STORAGE CHEMICALS, ACIDS AND BASES AND OF LIQUID AND SOLID INFLAMMABLE C

IN ACCORDANCE WITH EN 14470-1 TYPE 90 NORM



FURNITURE

Safetybox® KEMFIRE 600 A Art.91988/A

With extraction and filter - Internal volume: 180+63 lt
External dim. mm (LxPxH): 600 x 520 x 1997
Internal dim mm (LxPxH): 510 x 440 x 800+430 x 325 x 450. Weight: 200 Kg.

Safetybox® KEMFIRE 600 Art.91988

Without extraction and filter - Internal volume: 180+63 lt
External dim. mm (LxPxH): 600 x 520 x 1680
Internal dim mm (LxPxH): 510 x 440 x 800+430 x 325 x 450. Weight: 190 Kg.

Completely produced in pickled and electrogalvanized steel painted with epoxide acid-proof dusts electrostatically applied through thermic tunnel at 200°C. Smooth painting in the most delicate and textured in the most exposed parts. Thickness of coating from a minimum of 60 m (microns) to a maximum of 250 uM (microns), in conformity with UNI EN ISO 9001:2008. - External monolithic structure completely sealed - New building method with double cases (internal and external) completely isolated by a special inflatable trimming. - Grounding clamp for static potential. - Adjustable feet to allow leveling (useful to compensate for uneven floors). - Danger stickers for corrosive, harmful and toxic and flammable in the upper compartment and a ban on smoking in the lower compartment, as Italian and European safety standards (DIN 4844 and ISO 3864). - Locks with handles CE. - Insurance for any possible injury to the user for the whole life of the cabinet. Manual for use and maintenance.

UPPER COMPARTMENT FOR CHEMICALS, ACIDS AND BASES 2 shelves in electro-galvanized steel epoxy powder coated antacid mounted on brackets adjustable in height by means of rack and removable for easy handling of the goods stored. The brackets are equipped with a lock falling security. The shelf is in basin for the collection of any spillages caused by accidental breakage of the containers. Shelf capacity is 9 liters. Carrying capacity of the shelf kg. 50. - Bottom basin watertight steel electro-galvanized epoxy powder coated antacid. - Opening the door to 110° for the extraction of the shelf without tilting. - Thermally protected electro aspirator IMQ IPX4 CE in conformity with EN 61010-1 Norms and CEI 66-5. - Power : 220/230 Volt - Electrical absorption: 65 W - Fuses for protect the electrical system 5 x 20 F 500 uA- Ignition lamp for suction system. - Charcoal filter Carbox® located inside the cabinet, easy to replace - New electronic device Cuncator® for replacement of the filtering cell - Rollaway hinges stainless steel spark-proof and resistant to corrosive products.

LOWER COMPARTMENT FOR INFLAMMABLES. Fire test performed by laboratories accredited according to the requirements of EN 1363-1:1999 and EN 1363-1:2001. - Fireproof insulation made from a material with a high fire resistance completely ecological. - Internal body panels made of scratch-resistant, resistant to corrosive products. - Thermoexpanding gasket 8 +6 cm (DIN 4102), it swells in the event of fire, isolating the inside of the cabinet from the outside. - Gasket with additional dust protection 'cold and hot fumes' and dustproof. - Locking door with automatic return. - Internal ventilation system, not forced, for vapors, complete with two certified safety valves automatically close at a temperature of 70 ± 10 ° C placed in a top and a bottom such as to ensure the automatic release of substances, such as from the norm. External connection collar 100 mm. - Lock security system 'Ignis-lock®' that keeps the doors closed in case of fire. - Bottom basin in watertight electro-galvanized steel with acid resistant epoxy powder coated with perforated grid that serves as a shelf. - Hinge spark proof.

SAFETY METAL CABINET FOR THE STORAGE OF CHEMICAL NOT VERY AGGRESSIVE SUBSTANCES

Completely produced in single walled sheet layer thickness 0,8 mm with upper reinforcement of 1,5 mm and lower reinforcement of 1,2 mm. Painted through thermic tunnel at 190°C with powders free from heavy metals, thermo hardening, with previous handling of de-greasing and phosphatation.

	91812/50	91812/100
External dim.	530 x 470 x 2000 mm.	1000x470x2000 mm.
Internal dim.	475x460x1940 mm.	935x385x1880 mm.
Internal volume	mc 0,33	mc 0,76
Weight:	45 Kg	80 Kg
Shelves capacity	90 Kg	90 Kg
N° doors	1	2

SAFETY CABINETS

CD SAFETY CABINET

SAFETY CABINET FOR DOCUMENTS, MAGNETIC AND PAPER RECORDS

- Completely produced in pickled and electrogalvanized steel, thickness 10/10, painted with epoxide acid-proof dusts electrostatically applied through thermic tunnel at 200° C.
- The structure is composed by several layers of steel and it is reinforced by a fire-proof stuffing with high insulation resistance
- Expandable trim DIN 4102, in case of fire it isolates the inner space of the cabinet from the outside.
- Special expandable trim against hot and cold fumes.
- Three points safety catch with new door lock in accordance with EC norms, the same type used for fire proof doors.
- One removable drawer with key and one hanging fire folder with roller bearing.
- Insurance for any possible injury to the user.



CD 700



CD 1300



Article	Type	External dim. LxPxH mm	Internal dim. LxPxH mm	Weight Kg	N° drawers
91870	CD 700	690x650x720	494x452x480	152	1 + 1
91871	CD 1300	690x650x1300	494x452x1000	212	2 + 1

REFRIGERATOR CABINET

Refrigeration unit with hermetic compressor silent air-cooled system.
Automatic temperature control. Under lock and key. Reversible door.

Article	Temperature	External dim. /weight	Capacity	Power supply Volt	N° shelves
91850/240	+1..+15°C	600x610x1250h mm/45 Kg	240/220 litri	230 V - 50 Hz	3
91850/330	+1..+15°C	600x610x1640h mm/55 Kg	335/329 litri	230V - 50 Hz	4
91850/520	+1..+15°C	750x730x1640h mm/70 Kg	554/520 litri	230V - 50 Hz	4



Art. 91850

MODULAR SAFETY CABINET Art. 91891-18/50

Composed of modular section in a single sheet of metal (the back and side). Made of pickled sheet 1st Choice FE P11 thickness 3 mm. The set consists of the following part: top, bottom, two sides symmetrical, back, right wing and left wing. Internal thermal excluding the rear, a first choice of glossy sheet, could rolled FE PO1, 1 mm. thick. A pair of double doors in sheet metal housing with back panels as 3 mm. on both the leaves always in sheet 1 mm. FE PO1. Doors placed on external hinges, fixed by welding process, oper to 180 degree.. Throughout the height of the closure device are housed in the door right and consist of the triple expansion driven by an external handle linkage through the internal rotation stopped from lock high security double bit true levers to 6.4 mm. diam. 18 horizontal bolts. 2 poles and 16 mm. on the vertical side top and bottom. The double bit lock and numeric combination wheel in 3-discs is protected by a steel plate to manganese. The shelves are 4, adjustable in height, made of sheet 1 mm. The paintinf is done with the procedure of degreasing, photophating, washing and drying epoxy medium gray color, embossed, with dryingmin in the oven at 180°. Internal fitting: 4 shelves. Dim: 1000x500x195. Weight 270Kg.



Art. 91891-18/50

ARCHAEOLOGY AND RELIEF



CERAMATIC Art. 71820

Device for graphic relief of archaeological manufactured articles.
Patent N° 48369A90

The CERAMATIC is a mechanical device consisting of a rectangular base of support, on which are mounted a rotatable plate with a circles indicated by the template for measuring the diameter and positioning of the ceramic fragment, and two vertical rods on which are placed two supports to stop the tablet of phenolic foam (Art. 71821). To obtain a correct impression of the profile is sufficient to place the fragment in the horizontal plane at the measure of the circumference indicated by circles indicated by the template, do protrude from the floor part of the fragment, and gradually enter into the foam fragment turning the plan. The phenolic foam is plastically deformed by irreversibly compression, and the feeble resistance offered, makes it also suitable for fragile remarkably artifacts. By sliding the bar along the guides you can use all the available area to take many other prints. When used entirely, the tablet is photocopied, photocopy that produces profiles of clear gloss. Another possibility is the direct acquisition by photocopy or scanned to a computerized management. The acquisition times with the CERAMATIC went from 6/7 reliefs hour employed with the comb shaper, at 100/150.

ARCHAEOLOGY TROWEL FORGED TROWEL

Art. 15173

Forged steel, wood handle. Trowel with sharpened edges blade thickness mm 1,2. Size 11 cm; 4-1/2"



Art. 15173

LEATHER SHEATH FOR ARCHAEOLOGY TROWEL

Art. 15173/FOD Sewn leather holster belt loop for archeology trowels. Size 9 and 11 cm.



Art. 15173/FOD

ARCHAEOLOGY TROWEL FORGED MARGIN 2"

Art. 15174 Forged steel, wood handle. Rectangular form. Trowel with sharpened edges blade thickness mm 1 Size 12,7x5 cm; 5x2" inch.



Art. 15174

ARCHAEOLOGY TOOL KIT Art. 15175/T1

The Archaeology Delicate Finds Zip Case Kit is equipped with all the small tools professional archaeologists and anthropologists need for excavating in the field.

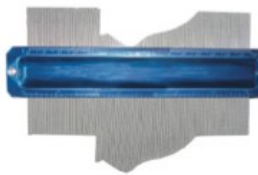
Contents of the Kit

- 1 Case holder with zip
 - 4 Boxwood tools, several shape
 - 2 Stainless steel probe
 - 4 Spatula carbon steel several shape
 - 1 Stainless steel ruler 30 cm
 - 4 bristle brushes
- Dimensions case closed:
14,5x37 cm (back 3 cm)
Weight with tools: 600 gr.



PLASTIC CONTOUR GAUGE

In anti scratch plastic.
Art. 71748/125 125 mm.
Art. 71748/250 250 mm.



MEDIUM CONTOUR GAUGE Art. 71742

With graduation in millimeters and inches. Net depth of 50 mm. Length 140 mm.



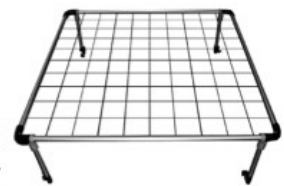
LARGE CONTOUR GAUGE Art. 71747

2 interlocking dime with resin body 200 mm. 1 team adjustable with screw. Graduation in millimeters. Net depth 50 mm.

ARCHEOLOGY RETICULUM

Art. 71823

Aluminum tube and removable modular. Equipped with adjustable feet with elastic cords and frames 10 x 10 cm. Base module 100 x 100 cm.



GRADABLE ARCHEO-LOGY COMPASS

Steel for internal and external measures of precision.



Article	Max depth
71734/120	12 cm.
71734/160	16 cm.
71733/173	17 cm.
71733/310	31 cm.

ARCHEOLOGY AND RELIEF

HAMMERS FOR GEOLOGY, PALEONTOLOGY AND ARCHEOLOGY

GEOLOGIST HAMMER Art. 15610

Hammer forged in one piece of metal with anti-grip rubber handle. A part of the blade is a chisel, while the other is hinged. Recommended for archaeological, paleontological or sedimentological use on soft rocks like limestone, dolomite, sandstone or marl. Weight 550 gr. For intensive use we recommend the other models.



Art. 15610



PROFESSIONAL GEOLOGIST HAMMER WITH POINT Art. 15612/LEAT

Hammer forged in one piece of metal with leather handle. One part of the blade is pointed, while the other one is hinged. Made of steel alloy. Weight 500 gr.



Art. 15612/LEAT



PROFESSIONAL GEOLOGIST HAMMER WITH FLAT POINT Art. 15613/LEAT

Hammer forged in one piece of metal with leather handle. One part of the blade is pointed, while the other one is hinged. Made of steel alloy. Weight 500 gr.



Art. 15612/RUBB



PROFESSIONAL GEOLOGIST HAMMER WITH POINT Art. 15612/RUBB

Hammer forged in one piece of metal with bicolor rubber handle. One part of the blade is pointed, while the other one is hinged. Made of steel alloy. Weight 500 gr.

PROFESSIONAL GEOLOGIST HAMMER WITH FLAT POINT Art. 15613/RUBB

Hammer forged in one piece of metal with bicolor rubber handle. One part of the blade is pointed, while the other one is hinged. Made of steel alloy. Weight 500 gr.

ARCHAEOLOGIST MATTOCK Art. 15603

A sturdy mini pick axe with wood handle. A pointed end and a cut with a blade of approx 38mm wide. The weight of the head is 500 gr and is constructed of high quality carbon steel with anti-rust finish.



Art. 15603

MINI POINTES SHOVEL Art. 15623

Wood handle cm.80 with a final D handle. Weight 1900 gr.

Art. 15623



Art. 15625

MINI FLAT POINTES SHOVEL Art. 15625

Wood handle cm.60 with a final D handle. Weight 1900 gr.



Art. 15621

MINI FOLDING SHOVEL FOR ARCHEOLOGICAL DIGGING Art. 15621

Mini shovel, ideal for digging in confined areas such as deep holes and ditches. Heavy duty forged steel shovel with 1.5 mm thick, serrated blade and comfortable, triangular handle. Include soft storage pouch with belt loop.

Dimensions:

Folded for transport:	235x14,5x7 mm
Shovel:	580x14,5x5 cm
Hoe:	40x14,5x23 cm
Weight:	950 gr

RESTORATION OF GLASS AND CERAMIC

RESIN HXTAL NYL-1 Art.57307/160

THE BEST EPOXY GLASS IN THE WORLD

HXTAL NYL-1 two component epoxy resin is as clear as water. HXTAL to polymerize does not require sunlight, UV light, or oxygen. Unlike many commercial epoxy, lower quality, HXTAL NYL-1 has a very slow polymerization time (7 days at 19 °C) to the touch and can withstand limited stresses of the workpiece after 3 days. The long polymerization time allows the restorer to leave HXTAL thicken to the point where it can be used for dies or for the replacement of missing parts of glass and porcelain. This long time before polymerization, allows the removal of air bubbles from the mixture itself and allow the restorer to apply HXTAL without problems of time. HXTAL NYL-1 can be colored to combine glass of different colors.

MILLIPUT

Epoxy paste extra-fine consists of 2 cylinders from 56.5 g to be mixed before use. After mixing the dough becomes before soft and

extremely sticky, then hardens at ambient temperature in 3-4 hours. Can then be processed like any other hard material with abrasive or cutting tools.



MILLIPUT WHITE Art.56255/WHITE

Two-component epoxy paste color white, is indicated for the restoration of porcelain, ceramic, metal, enamel white, marble, etc..

MILLIPUT TERRACOTTA Art. 56255/TERRA

Two-component epoxy paste brown color, is indicated for vases, pottery, bricks, tiles and artistic sculptures in general.

MILLIPUT BLACK Art.56255/BLACK

Two-component epoxy paste color black, is indicated for ebony black marble, slate and slate stone, wood, ebony, etc.

MILLIPUT SILVER GREY Art.56255/GREY

Two-component epoxy paste color gray, is suitable for work on metals such as steel, iron, etc.

MILLIPUT STANDARD YELLOW GREY

Art.56255/STAND Two-component epoxy paste dark yellow for stone and technical purposes.

RESINA CRISTAL EP Art. 22521

Colorless transparent epoxy resin for casting mass up to 80 mm thickness.

Time of use "Pot life" 125-135 minutes

Forming time 23-30 h

Pack size 1000 gr + 450 gr.

RESIN AKEMI Art. 57293

Polyester resin for entrapment and stratification with excellent transparency and the possibility of polishing. It is supplied with a suitable catalyst and accelerator. Pack size 900 ml.

KIT ARALDITE 2020 Art. 22350 Conf. 500 gr

Transparent epoxy adhesive system with two components. Low viscosity, transparent adhesive. Particularly suitable for bonding glass and ceramics, suitable for mergers and transparent

HXTAL NYL-1™



laminated, glass reflectivelike glass natural. Also suitable for bonding of metals and rigid plastics.

ARALDITE AY 103 Art. 22333 Conf. da 1 Kg.

Hardener HY 991 Art. 22353 Adesivo epossidico bicomponente per incollaggio ceramiche, etc.

ARCHEOSTUCCO Art. 52148

Filler 176 for archeology Pack size 02/03 Kg.

Product based waxes and inert fillers for specific integrations of pottery, bone, ivory, amber and woods. Archeostucco is a product on formulation designed and developed by the Center for Restoration of the Archaeological Superintendence of Tuscany.

CLEANER FOR ARCHEOLOGY Art. 52154

Aqueous solution based idrossallammonio chloride and hydrazine hydrate. Pack size 1 Kg.

POLYFILLA INTERIOR Art. 80670 Pack size 1-5 Kg

Reintegrating for ceramics Plaster filler by kneading with water. Great for the integration of ceramics. After drying the product retains the shape given to him. It can be poured, colored, patterned and, after drying, carved, scraped, polished.

ARCHEOCONSOLIDANT Art. 52149

Product ready for use, based on organic polymers in aqueous solution, specific for the pre-consolidation and consolidation of wood, bone, cooked, etc. from archaeological excavations. Pack size 1 - 5 - 25 kg.

ARCHEOFIX Consolidating-fixative Art. 52152

Ready to use, based on acrylic resins specially designed and high-penetration solvents, specifically for the restoration of wood, bone, cooked, etc.. from archaeological excavations, Pack size 1 Kg.

UHU EXTRA Art. 54205

Adhesive for glass and ceramics. Pack of 32 ml.

UHU HART Art. 54208

Adhesive for metals, wood, glass. Pack 125 ml.

UHU KRAFT Art. 54207

Universal adhesive. Pack of 46 ml.

UHU PLUS Art. 54201 Pack 75 +75 ml.

Two-component epoxy adhesive.

UHU 5 min EPOXY Art. 54202 Pack 17 +18 ml.

Two-component epoxy adhesive quickly.

SUPER ATTAK, Art. 52161

Adhesive based on ethyl cyanoacrylate for ceramics, rubber, metals, wood, leather, cardboard and paper. Pack size 5 gr.

GLASS ATTAK Art. 52165 Pack size 3 gr.

An adhesive based on n-butyl cyanoacrylate characterized by fast setting times, specific for the sticking of glass to glass and glass to metal.

MEASURING INSTRUMENTS

LABORATORIES



CALIPER Art. 71725/NEW
Hardened stainless steel,
lever locking.
Capacity: 0-200 mm.
Precision: 1/20 mm.



CALIPER Art. 71723
Steel, lever locking.
Capacity: 0-150 mm.
Precision: 1/10 mm.



SQUARE Art. 71751
Hardened steel.
Length 600 mm.



SEMI-FLEXIBLE RULER
Stainless steel 30 x 1 mm.
Art. 71755/300 300 mm.
Art. 71755/500 500 mm.
Art. 71755/1000 1000 mm.



**SPRING DIVIDER
COMPASS**
Art. 71737 300 mm.



**SPRING OUTSIDE
COMPASS** Art. 71735
For outside 300 mm.



**SPRING INSIDE
DIVIDER COMPASS**
Art. 71739
For inside 300 mm.



SET 3 COMPASSES
Art. 71730
For outside and inside
180/200 mm.



APE RULES
Art. 71757 2 m -19 mm.
Art. 71759 3 m -19 mm.
Art. 71760 5 m -25 mm.



MICROMETER WITH BASE
Art. 71714
Meter reading 0.01 mm.
Range 0-0 mm.
Depth 50 mm.



MICROMETER Art. 71715
Lettura 0.1 mm
Corsa 0-30 mm.
Profondità 300 mm.



LIVELLA Art. 71708/KIT
Waterproof automatic
level 20x
Average error: ± 2.5 mm
at 1 Km. Lens: 38 mm.
Graded base 360°, gra-
duated horizontal cir-
cle. Additive constant: 0.
Accuracy: 20x: $\pm 0.5''$
Supplied in briefcase.



LONG TAPE RULES
Art. 71761
20 mt. in fiberglass
with reel.



LEVEL FOR WIRE
Art. 71750 55 mm.



METER Art. 71775
2 mt. in fiber glass



**WOOD RACING
POLES POLE**
Art. 71771
Length 160 cm. - \varnothing 28

Leica
Geosystems



DISTO A2 - LASER METER LEICA Art.71705
Auto power off, illumination display, continuous
measure, addition / subtraction.
Accuracy of measurements: ± 1.5 mm.
Flow rate: 0.05 to 60 m
Smallest unit displayed: 1mm.
Class / Type Laser: II - 635 nm, <1 mW
Battery life: up to 5000 measure
Dimensions / Weight: 124x45x31mm/155gr.

ELECTRONIC BALANCES

ELECTRONIC ANALYTIC BALANCE

Art. 73543



Balance High precision balance with microprocessor control. External calibration weight (supplied). Selecting different units of measurement. Filters selectable damping vibrations. System automatic zero. interface RS232. Power supply 220 V 50 Hz dish weighing diam.80 mm. Display cabinet with glass sliding doors 345x215x345h mm. Air bubble and leveling feet.

Weighing rang gr	120
Resolution mg	0.1
Linearity gr	±0.0003
Pan dim. mm	80
Weight Kg	6.3

POCKET ELECTRONIC BALANCE

Art. 73508 In ABS and display LCD 5 mm



Capacity gr	200
Resolution gr.	0.01
Pan dim. mm	75x63
Dim.mm	145x90x30
Weight gr	1250
Lithium bat.	2(AAA)



THERMOBALANCE Art. 73545

Determination of water content.
UNI 11085:2003

Indication% RH, dry solids%, ATRO%. Heating halogen lamp with infrared emission. Oven drying internally coated stainless steel. Resistance thermometer PT 100, setting temperature 1 ° C with microprocessor and LCD digital readout. Thermal Response Time from 50 ° C to + 100 ° C, 60 sec. Serial interface RS232C
Weighing range 60 gr.
Readability 0.001gr
Power - Temp. 400 Watt/35-160 ° C
Sample holder dim. 100 mm
Dimensions 345x215x235 mm
Weight 4.7Kg



Art. 73523-25



Art. 73524

ELECTRONIC BALANCES LIQUID CRYSTAL DISPLAY

Balance with plate stainless steel and LCD display. External calibration.

Article	73523	73525	73524
Capacity gr	200	1000	3200
Resolution gr	0.01	0.01	0.1
Pan dim. mm	Ø 110	Ø 130	140x150
Dimensions mm	190x255x80	190x255x75	190x250x80
Weight Kg	1	1.4	1.4



Art. 73531



Art. 73533

DIGITAL ELECTRONIC BALANCES double range

Balance with plate stainless steel and large LCD display. Windproof protection ring in glass (art.73531) and stainless steel lid. External calibration.

Article	73531	73533
Capacity gr	150/310	800/5500
Resolution gr	0.001/0.01	0.01/0.1
Pan dim. mm	Ø 80	Ø 160
Dimensions mm	190x255x130	345x215x100
Weight Kg	1.6	4.6



Art. 73518-19-22



Art. 73521

DIGITAL ELECTRONIC BALANCES

Balances in ABS. Stainless steel plan and display LCD with backlight.

Article	73518	73519	73522	73521
Capacity gr	500	2000	5000	30000
Resolution gr	0.1	0,1	1	10
Pan dim. mm	Ø 155	Ø 155	Ø 155	350x300
Dim. mm	200x160x45	200x160x45	200x160x45	380x450x70
Weight Kg	700	700	700	2300
Power	6x1.5 (AAA)	6x1.5 (AAA)	6x1.5 (AAA)	6x1.5 (AAA) rech

STIRRERS - SIEVES

MAGNETIC STIRRERS WITH INDUCTION MOTORS

Compact and versatile, do not require any maintenance. Wrap in aluminum plate printed with baked powder epoxy anti-corrosion. Infinitely variable speed from minimum to maximum. CE Mark

Art. 75111 WITHOUT HOT PLATE

Art. 75113 WITH HOT PLATE by hotplate 400W all aluminum for better heat distribution with built-in sensor for temperature control. Adjustment from +50 to + 350 °C. Accuracy ± 3 ° C. Structure in stainless steel with baked epoxy powder antacid. Degree of protection IP42



Art. 75111



Art. 75113

Article	75111	75113
Dimensions (HxLxP) mm	90 x 190 x 250	115 x 190 x 250
Plate diameter mm	Ø 140	Ø 150
Weight Kg	2.0	2.5
Speed rpm	100-2500	100-1800
Power supply Volt/Hz	220/50	220/50
Power Watt	20	20+400(resistance)
Max stirring capacity	20 lt	20 lt

MAGNETIC STIR BARS

Wrap in TEFLON antacid.

Art.77091 6x20 mm

Art.77095 6x35 mm

Art.77099 8x45 mm



MECCANIC STIRRER Art. 75121

Meccanin stirrer with continuous regulation speed control. Supplied with chuck and mounting key of the stirring rods with Ø max 10 mm. CE mark. Degree of protection IP 43.

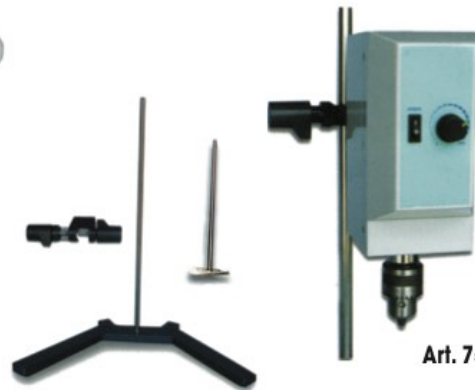
Full support opening 130x280 mm with rod Ø 12 x 600 mm and stainless steel stirring rod Ø 7 x 300 mm. Vane Ø 50 x 10 mm.

Speed: 200-3000 rpm

Weight: 4.5 Kg

Power supply: 220 Volt/ 50Hz

Power: 75 Watt



Art. 75121

ANALYTICAL SIEVE SHAKERS Art.15009

FOR GRANULOMETRIC ANALYSIS

Sieve shaker for sieves up to 300 mm in diameter.

- Electromagnetic Vibrating vertically adjustable amplitude.
- Built-in timer
- Capacity up to 8 sieves Ø 200 or 6 Ø 300 mm longer base and lid.
- Power supply 220 Volts/50 Hz



STEEL SIEVE

Sieves certify by normatives ASTM - DIN 4188 - DIN 1171 - UNI 2331/2332 - TYLER - ISO - BS - AFNOR - Italian Commercial Series - GOST made of stainless steel 18/8.

Art. 15005 Sieves Ø 200 mm 3.5 - 230 mesh

Art. 15006 Sieves Ø 200 mm 270 - 325 mesh



COLORIMETRY



SPECTROPHOTOMETER Art. 72050

SOFTWARE FOR SPECTROPHOTOMETER Art. 72051

Innovative and unique portable spectrophotometer which completely manages the UV component. 2 Areas of measurement: diam. 3 and 8 mm. Direct view of the sample. Large LCD display and single button to navigate. Detection system: double array in silicon photodiodes with holographic grating plate. Spectral range: 360 nm to 740 nm. Resolution: 10 nm. Component UV included. Source: 3 lamps Xenon high-intensity. Repeatability ΔE by 0:04 (on the average of 30 measurements on white calib. Standard). Capacity memory: 700 measurements. Weight: 670 g. Interface: RS-232C Standard Accessories: white calibration file, mask diam. 8 mm.



COLOURMETER Art. 72057 - WITH PRINT Art. 72055

Ideal solution for samples with textured or irregular surface, such as granular materials, fabrics, wood, stone, brick. Featuring a large backlit display or a graphic display of the measurement data, as well as a high-performance integrated thermal printer (Art. 72055). The memory is now able to save up to 100 target colors and up to 2000 measurements. In order to improve the operational flexibility, the reading head with display, function keys and power, can now be used independently or connected directly to a PC, simply by installing the optional Windows® software. Geometry: $d/0^\circ$. Area of measurement: \varnothing 8 mm. Source: Xenon lamp-pulsed. Measuring range: 1.5-100% reflectance. Repeatability: Chromaticity (x, y) within ± 0.0002 ; within $E^* ab$ within 0.07.



Spectro
Shade

VIDEO SPECTROPHOTOMETER SpectroShade Micro Art. 72080

Portable tool with touch screen color screen. Spectral data from 400 nm to 720 nm in 10 nm steps. Digital resolution 640x480 pixels (307,200 spectral curves). Optical resolution of 0.03 x 0.03 mm. Area size: 18mm x 14 mm. Interface: USB 2.0 (or 1.1), Wireless LAN 802.11 a / b / g, SD-CARD. Rechargeable Lithium Ion. batterie Size 21x16x11 cm. Weight: 900 g. KIT Sales: Video spectrophotometer; basic calibration; accessories contact plastic 5x, touchscreen pens 2x.



Art. 72073/MINI

COMPARISON TABLE/COLOUR CALIBRATION

mod.ProDisk mini Art. 72073/MINI

Color Checker Passport X-Rite. Table of comparison and calibration of color and grayscale version for photographic applications, in plastic container with hinged opening. Kit consisting of: gray scale table; color samples table; white balance filter; comparison guide for photography (English). Dim. Table: 87x67 mm. External Size: 103 x 73 x 10 mm Weight: 75 gr



Art. 72060/1950

COLORS INDEX NCS

Art. 72060 (980 colors)

Art. 72060/1950 (1950 colors)

NCS is a logical color system order that is based on the way they are perceived. All the colors we can imagine can be described by means of the NCS system, and each color can be identified by an exact NCS notation. Since 1978, NCS is the European standard color coding.



Art. 72065

CORRELATE KEY MUNSELL/NCS Art. 72063

It allows you to go from system code Munsell to NCS and vice versa.

COLOR CHECKER PASSPORT X-RITE Art. 72073/XPASS

Table/calibration color. dim. 8x13 cm

MUNSELL COLOUR SYSTEM Art. 72065

Consists of 9 tables in 36 colors for each color classification of the soil and the evaluation of the rocks, archaeological specimens, plaster of historic facades other natural products. Offering simple system of overlap with the original.

THERMOCAMERA

The Thermoinfrared cameras are the first economy class, with performance and features that make its use ideal in the field of diagnostics Cultural Heritage.

Both models feature a 2D sensor uncooled microbolometer with different resolution.

Ability to have pictures only visible and IR only overlapped.



Specifications	Art.72783/HIGH	Art.72785/HIGH
Thermal sensitivity (NETD)	< 30 mK at 30 °C	< 40 mK at 30 °C
Field of view / minimum focus distance	11° x 9° / 0.5 m (telephoto lens)	15° x 11° / 0.5 m (telephoto lens)
SuperResolution (pixel / IFOV)	640 x 480 pixel/ 0,38 mrad	1.280 x 960 pixel/ 0,26 mrad
Refresh image	33 Hz	33 Hz
Focus	automatic / manual	automatic / manual
Variation of the spectrum	from 8 to 14 µm	from 8 to 14 µm
Viewing image	Touchscreen 4.3" LCD 480x272 px	Touchscreen 4.3" LCD 480x272 px
Video Output	USB 2.0	USB 2.0
Measuring range	-20 °C / +100 °C / 0 °C / +350 °C	-20 °C / +100 °C / 0 °C / +350 °C
Emissivity / reflected temperature	0.01 at 1 / manual	0.01 at 1 / manual
Digital Camera 2Mpixel	Standard lens 30°x23°	Standard lens 42°x32°
Laser Pointer	Laser (635 nm, Class 2)	Laser (635 nm, Class 2)
Image Storage SD Card	SD 2 GB (2.000-3.000 images)	SD 2 GB (800-1.000 images)
Supply	Li-ion rechargeable battery autonomy 4,5 h	Li-ion rechargeable battery autonomy 4,5 h
Protection class tool	IP 54	IP 54
Weight	1.570 g	1.630 g
Dimensions mm	253 x 132 x 111	253 x 132 x 111

Specification	Art.72782/HIGH	Art.72784/HIGH
Thermal sensitivity (NETD)	< 50 mK a +30°C	< 50 mK a +30°C
Field of view / minimum focus distance	30°x23°/0,1 m	30°x23°/0,1 m
SuperResolution (pixel/IFOV)	320 pixel x 240 pixel/2,1 mrad	640 x 480 pixel mrad/1,1 mrad
Refresh image	33 Hz	33 Hz
Focus	manual	automatic
Variation of the spectrum	from 8 to 14 µm	from 8 to 14 µm
Viewing image	3,5" lcd - 320 x 240	3,5" lcd - 320 x 240
Video Output	USB 2.0	USB 2.0
Measuring range	-30 °C a + 35,0 C°	da -30 °C a +350 °C
Emissivity / reflected temperature	0,01 a 1/manual	0,01 a 1/manual
Digital Camera 2Mpixel	integrated	integrated
Laser Pointer	635 nm	635 nm
Image Storage SD Card	SD 2 GB	SD 2 GB
Supply	with battery Li-ion and supply	with battery Li-ion and supply
Protection class tool	IP 54	IP 54
Weight	900 g	900 g
Dimensions mm	152x108x262	152x108x262

VIDEO-INSPECTION

FLEXIBLE WI-FI ENDOSCOPE Art.72432

Probe external diameter:	5.5 mm.
Working length:	1000 mm.
Lens with direct vision forward	0°
Angle:	75°
Depth of Field:	20-50 mm
Lighting:	2 LED
Angle head movement:	+/- 180°
Probe protection:	IP66
Photo Resolution / Video:	1.3 megapixel (1280x1024)
Transmission distance:	5 mt
Internal rechargeable battery:	lithium-ion
Including:	articulated probe Wi-Fi,
Charging time:	3 hours when fully utilized.
Charging Interface:	USB
The supply includes:	Wi-Fi probe, USB cable, power adapter, carrying case.



RIGID ENDOSCOPE Art.72412

The rigid endoscope with side view has been specifically designed to allow inspection of monumental restoration sites for inspections in wall cavities, paneling, stuck ceilings, cavities, underlays, etc. It is also used in many other sectors such as: archaeological, metal and wooden sculptures, musical instruments, etc. Thanks to the monitor connected via radio (Wireless) to the endoscope probe, the hands remain free and there are no impediments to connecting cables. The high brightness of the 2 LEDs can illuminate in large cavities up to 1.5 meters away. The removable MicroSD memory records images and movies in ".jpg" and ".avi" format that can be transferred to any other computer support.

External Diameter:	9mm with lateral vision 90°
Working length:	300 mm.
Angle:	55°
Probe protection:	IP678 (submersible)
Lighting:	2 LED high brightness
lighting range:	1.5 m
Screen Resolution:	320x240 RGB
Memory:	MicroSD
Images / Video resolution:	640x480
Integrated rechargeable battery:	1500mAh - Wireless TFT LCD Monitor 3.5"
Complete with monitor 3.5"	wireless connection to the built-in camera in the handle of the endoscope.



WIRELESS INSPECTION CAMERA Art.72482

Portable unit with Monitor 3.5" Memory of mini SD card (optional), video watertight flexible interchangeable probes 1 m Ø9 and Ø17mm with micro camera color and LED lighting. It has been specifically designed to allow inspection of monumental restoration sites for inspections in wall cavities, paneling, pinned ceilings, cavities, underlays, etc. It is also used in many other sectors such as: archaeological, metal and wooden sculptures, musical instruments, etc. The monitor can be attached to the instrument body or kept separate, leaving hands free, thanks to the wireless connection of the instrument probe.

VIDEO PROBE

- Image sensor: 1/4" CMOS
- Viewing angle 30/45°
- Lighting: 4 white LEDs
- Flexible Body 1 Mt. with 9mm and 17mm diameter camera
- Protection class IP67 (submersible)
- Power supply: 4 AA batteries (not included)

MONITOR

- Display Screen: 3.5" TFT-LCD wireless color
- Resolution: 640x480 pixels
- Wireless Connection
- Registration photos and movies on mini SD card
- USB port and transfer cable to / from the PC photos and movies
- Video output A / V
- Power Supply: Rechargeable Li Battery

The kit includes: Monitor 3.5" wireless connection, 2 9-17 mm probes, cables connecting power supply and carrying case.



VISION SYSTEMS

OPTIVISOR® BINOCULAR MAGNIFIER

Professional binocular visor equipped with prismatic rectangular optical crystal lenses processed according to optical precision standard. Interchangeable lenses are fixed on a folding structure connected to the band covered in genuine leather equipped with adjusting screw.

Art. 72341/DA4 OPTIVISOR WITH LENSES 2x

Art. 72341/DA5 OPTIVISOR WITH LENSES 2.5x

Art. 72341/DA10 OPTIVISOR WITH LENSES 3.5x

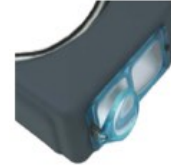


Art.72342/LP1

OPTILOUPE® Art.72343/LP1

OPTILOUPE ADDITIONAL LENS 2.5x

Prismatic round optical crystal lens processed according to standard optical precision. Easily can be mounted on one of the two eyepieces of the visor. Fitted with device for spin.



PARE LENS FOR OPTIVISOR® Art.72343/....

prismatic rectangular optical crystal lenses processed according to optical precision standard. Type LP2 1 1/2 x ; type LP3 1 3/4 x ; type LP4 2x ; type LP5 2 1/2 x ; type LP7 2 3/4 x ; type LP10 3 1/2 x



VISORLIGHT® Art.72345

VISOR LIGHT OPTIVISOR® Xenon Laserbeam Bulb 6000 Candle Power Operates on two AA batteries 1.5 V . 4/5 hours battery life.



Art.72345



BINOCULAR MAGNIFIER Art. 72311

Binocular visor with acrylic lens and 4 levels of magnification. Adjusting magnification by tipper lenses placed inside the visor and lens place outside. Magnifications obtained: 1.8 to 2.3 - 3.7 to 4.8 x

BINOCULAR LOUPES 3.5x - 400 mm Art. 72313

Binocular glasses with optics prismatic front-end

Magnification: 3.5x prismatic optics

Working distance: 400mm

Field of view Ø: 86mm

light and battery: 2 x 1.5 Volt

Weight: 184 gr



Art. 72313



BINOCULAR LOUPE 2,5x Art. 72314

Binocular loupe extremely low weight, crisp views, and quality construction in an affordable instrument. It's low profile design (easy to look over for non-magnified views), lightweight and fully adjustable metal frame, and wide field of view make this an ideal low cost magnification instrument for any application. Available in 2.5x magnification with a 350/450 mm working distance.

Weight: 60 gr

CONDITION REPORT - MAGNIFICATION SYSTEMS

SPECIAL LIGHT LED 180 Lumen FOR PAINTING "CONDITION REPORT" Art.78206/CREE

Heavy duty aluminium construction with ultra-bright Cree LED.
Shock-resistant and IP33 water-resistant.
Wrist strap.

Lamp: LED Cree
Power: 3 W
Brightness: 180 Lumen
Battery: 3xAAA
Length: 140 mm



MAGNILUX Art. 78220

HANDLE LAMP with lens

Lamp with 3 diopter cristal lens \varnothing 90 mm and lighting to fluorescent microlamp annular type.
Power source 4 AA batteries with 1.5V power supply and 220V/6V included in the delivery.
Size 295x135x25 mm.
Weight 300gr.



LED LAMP FOR ART WORKS "CONDITION REPORT" Art. 78205

Light source: Z-Power LED White P4 1.2 W
Opening angle: 36°
Power: NiMH 4.8 V-rech. (au 10 hours)
Working distance: from 0.4 to 15 m.
Light intensity: 125 lux (measured at 1 m)
Size / weight: 111x70x30 mm. / 260 g.
Structure: Aluminum waterproof

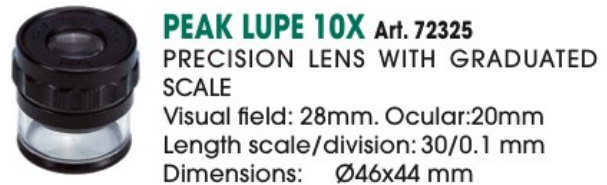


PORTABLE MICROSCOPE Art. 72330

FOR VERTICAL AND HORIZONTAL ANALYSIS OF SURFACES WITH INCORPORATED ILLUMINATION BY 100 MAGNIFICATIONS.

Lighting battery, possibility of connecting a camera or digital color camera equipped with a special adapter. Fitted with WF10x/17mm micrometric eyepiece with cross divided into tenths of a millimetre. 10x achromatic objective: focusina controlled by a rack and pinio adjustable battery powered penlight lighting unit.

Standard magnification:
100x (optional 40X)
Dimensions: \varnothing 60 x h 230 mm
Power: 2 batteries 1,5V type AA



PEAK LUPE 10X Art. 72325

PRECISION LENS WITH GRADUATED SCALE
Visual field: 28mm. Ocular: 20mm
Length scale/division: 30/0.1 mm
Dimensions: \varnothing 46x44 mm

POCKET MICROSCOPE

LED LIGHT Art. 72306
Magnification: 60-100x
Dim./weight: 30x20x h95 mm/29g
Batteries: 3 S G3 (included)



POCKET MICROSCOPE

WITH LIGHT Art. 72309
Magnification: 30x
Batteries: 2x1.5 Volt LR6

ASPHERICAL LENS

Transparent edge without distortion

Article	Lens \varnothing	Magnification
72324/08	35 mm	8x
72324/10	35 mm	10x
72324/12	30 mm	12x
72324/14	35 mm	14x



COUNTING GLASSES Metal with crystal lens

Article	Lens dimension	Magnification
72317/5x	30x30 mm	5x
72317/8x	20x20 mm	8x
72317/10x	15x15 mm	10x
72319/2020	20x20 mm graduated scale	6x
72319/4040	40x40 mm double lens- graduated scale	6x

LAMP WITH LENS 8X Art. 72308/8x

Batt. 2x1.5 V - \varnothing lens 30 mm. with graduated scale 0.5 mm.

PORTABLE MICROSCOPES

DIGITAL MICROSCOPE WI-FI

Portable digital microscopes with Wi-Fi transmission. Through special software and Apps, you can capture pictures and videos, measure and store from PC, Smartphone and Tablet. Dual use: Wi-Fi & USB cable. Professional software with calibration function and measurement. 1.3 Mpixel resolution photos and 640 x 480 video shooting.

- 1.3MP / Resolution 1280x 1024.
- Windows operating system, OS X, IOS, Android
- Protocol Wi-Fi IEEE 802.11 b / g / n standards
- Wi-Fi transmission distance up to 5m
- Built-in Measurement feature.
- 5~200X Continuous Magnification
- Focus Range 8mm ~ 200mm
- Micro Touch (trigger button).
- Wi-Fi & USB 2.0 Output.
- On/off LEDs controlled by software.
- Weight 88 g
- Internal rechargeable battery Lithium battery: duration about 2 hours in full use

The package includes:

Microscope Wi-Fi; power Supply; USB cable 1,2 m and installation manual; Interchangeable cover; Millimeter screen for calibration.

Accessories to be ordered separately.

Art.72355/A Support table in flexible arm

Art.72355/B Support table with professional column with vertical arm with fine adjustment wheel with micrometer.



72355/A

72355/B

Article	Type	LED White light	LED UV Light (400nm)	LED IR Light (850nm)
72359/WHITE	WHITE LIGHT	8	-	-
72359/FLUO	WHITE/FLUORESCENT LIGHT	4	4	-
72359/POL	POLARIZED LIGHT	8	-	-
72359/IR-UVB	IR /UV LIGTH	4	8	4
72359/UV	POLARIZED LIGHT	4+4 POLARIZED LIGHT	4	-



DIGITAL PORTABLE MICROSCOPE USB

Digital videomicroscopes series Lite allow to operate at a high level in the technique of video microscopy, interfacing to a PC or MAC and getting sharp images through the control of magnification and focusing. - 8 built-in white LEDs. (ON/OFF from software)

- Continuous variable magnification: 10x~50x-200x
- Frame rate: > 30fps (640*480), 15fps (1280*1024)

- The included software allows to capture images, video and time-lapsed video with a single click (jpg, bmp, avi)
- Compatible Windows 2000/XP/Vista/ 7 e MAC X 10.4 or subsequents
- Incorporated Microtouch button
- It also allows the measurement & calibration.
- Interface: USB 2.0

Dino-Lite
Digital Microscope



Art. 72355/IR85+72355/A



Art. 72357/WHITE + 72355/B STAND

Article	Type	Resolution	Lighting	Dimensions/weight
72355/WHITE	WHITE LIGHT	1.3 Mpixels	8 white led	10 x Ø 3.2 cm/95g
72357/WHITE	WHITE LIGHT	5.0 Mpixels	8 white led	10 x Ø 3.2 cm/155g
72355/FLUO	WHITE/FLUORESCENT LIGHT	1.3 Mpixels	4 white led + 4 led UV	10 x Ø 3.2 cm/95g
72355/POL	POLARIZED LIGHT	1.3 Mpixels	8 white led	10 x Ø 3.2 cm/95g
72355/IRUV	IR LIGTH + UV	1.3 Mpixels	4 IR led 9400 nm +4W	10 x Ø 3.2 cm/100g

HORUS STEREO MICROSCOPES

HORUS LINE

Horus The line includes a range of trinocular stereomicroscope with stands, lighting kits, video and photographic able to satisfy all the needs in the field of restoration. Its highly functional and optical and mechanical high-quality properties make it an excellent tool both operational then of analysis.



DIGITAL CAMERAS

Art. 72021 /High-3.0M-5.0M-9.0M

EYEPIECES 20X

Art. 72018

Magnifications 13.4x - 90x

LENS 0.5x Art. 72022

Magn. eyepieces 10x:
2.35- 22,5x

LENS 2x Art. 72023

Magn. eyepieces 20x:
26.8- 180x

FOCUSING DEVICE

Art. 72015 range 50mm

TRINOCULAR HEAD with eyepieces 10x

Art. 7201/NEW Body with variator zoom magnifications from 0.67 to 4.5x, working distance 110 mm, 45 ° inclined binocular tube. Adjustment the interpupillary distance between 55 and 75 mm. Pair objectives 10x with a field index 22 magnifications.

DESK STAND WITH ARM LED ILLUMINATOR 2 ARMS Art. 72013/LED

Pantograph stand with head holder and focusing mechanism. Provided with table clamp and with wall-mounting plate. LED illuminator arms.

Dimensions arm: 580x480 mm
Articulation Range: ± 150mm
Maximum Extension: 580 mm



FLOOR STANDS

DESK STAND

Art. 72013

Base mm: 230x230
Height mm: 380
Weight Kg: 15
Horizontal arm mm: 430



DESK STAND Art. 72014

FULL ROTATION

Base dim. mm: 210x280
Height mm: 380
Weight Kg: 17
Horizontal arm mm: 550

ARGO SZM Binocular e Trinocular Microscopes

Sharing the same optical system consisting of binocular and trinocular heads with a zoom objective, the four models of the ARGO series find their proper application wherever professional instruments are required at a particularly contained cost.

Heads: Binoculars and trinoculars heads, 360° rotating and 45° inclined. Adjustment of diopter compensation and interpupillary distance (between 51 and 75 mm.). **Focusing:** Focusing by means of a rack and pinion controlled by a pair of knobs located on the stand.

Optical system: 0.7x...4.5x parfocal achromatic zoom objectives (6.428:1 zoom factor) with continuously variable magnification. Working distance 95 mm. EWF10x/23 mm eyepieces. **Illumination:** for S1 and T2 models, adjustable illuminator for incident light and transmitted light fitted with two High Power LED. Light intensity adjustment, done using a pair of rheostats located at the side of the base, is provided for both lighting units separately. For S3 and T4 The illuminator not included, see optional accessories. **Microscope stand bench support S3 and T4:** Overhanging stand for special applications (viewing large specimens, electronic and mechanical assemblies, etc.). Stand made entirely of steel. Simple overhanging stand with head holder. Base dimensions: 230x230mm; pillar: Ø32x380mm; horizontal arm: 450mm



72006/T2LED

72006/T4

Code	EYEPIECE	Head	Zoom	Stand	Illuminator
72006/S1LED	EWF10x/20mm	Binocular	0,7.... 4,5x	Pillar	Incident and transmitted LED high power
72006/T2LED	EWF10x/20mm	Trinocular	0,7.... 4,5x	Pillar	Incident and transmitted LED high power
72006/S3	EWF10x/20mm	Binocular	0,7.... 4,5x	Overhanging	Not included. Optional
72006/T4	EWF10x/20mm	Trinocular	0,7.... 4,5x	Overhanging	Not included. Optional

GALILEIAN AND OPERATIVE MICROSCOPES

GALILEIAN MICROSCOPE 8ZOOM Art.72007/8ZOOM

(available also type 6ZOOM e 10ZOOM)

Binocular stereoscopic optical microscope Galileian is technically and optically the best product on the market. Uses two separate optical paths aligned with two different objectives and two eyepieces to provide slightly different images for the two eyes. In this way produces a stereoscopic view of the test sample. Professional binocular stereo microscope to be equipped with Galileian optical beam splitter 1 or 2 outputs adapters for photos and / or video. Ergonomic main body with variable magnification zoom of 0.8 x 6.4 x (magnification range min / max from 2,4 x to 256x). Ray beam path parallel sealed to preserve infiltration, anti-mold and anti optical processing electrostatic effect.

Binocular tube inclined 30 °, rotatable 360 ° High-point widefield eyepieces 10x index field 22 Interpupillary distance: 55 -75 mm; Dioptric adjustment: +/- 5 dp

Zoom objective: 0.8 x..... 6.4 x . Zoom ratio: 8:1

Working distance: 80 mm.



Art.72007/8ZOOM
DOUBLE LIGHTING BASE

LARGE STAND WITH LED LIGHT FOR GALILEIAN MICROSCOPE

Art.72007/BASE

Large plain stand of support 285x330 mm with 305 mm column coaxial focusing with macro and micrometric. Include incident LED illuminator and transilluminator, both with intensit control

ARTICULATING ARM BOOM STAND LIGHTING LED

Art. 72013/LED (included focusing)

BEAM SPLITTER 1 OUT PHOTO/VIDEO Art.72007/1TV

Connection to be placed between the tube and the body of the binocular microscope, requires a special adapter or reflex (different from brand to brand) or cameras step C.



Art.72013/LED



Art.72007/1TV

STEREOMICROSCOPE A60S

Art.71921/A60S

Revolutionary Greenough stereomicroscope with Leica FusionOptics ® system ideal for all uses of the Field of Cultural Heritage thanks to exceptional depth of field not available on any other MODEL OF of any brand. With a depth of field of up to 13.6 mm, the Leica A60 offers almost double the depth of field to that of similar stereo microscopes lack the technology FusionOptics ® In practice this means: all areas within a maximum height of 13.6 mm are displayed in such a way clearly without having to change the focus. The work at the microscope become more comfortable and effective.

FUSIONOPTICS® TECNOLOGY

The common stereo microscopes have two identical optical paths that allow a spatial vision of the objects. The innovative technology FusionOptics ® uses instead a neurological phenomenon: the left optical path provides high depth of field, and the right an image with high resolution. The human brain combines the best information from both channels merge them into a single image that has a depth of field in the stereomicroscope has never been reached. Specifically designed for observations in areas where they are needed large working distance (122 mm) for easy sample handling, great depth of field (up to 13.6 mm), and large object field (up to 46 mm). Antistatic plastic body. Protection glass in interchangeable lens.

Leica
MICROSYSTEMS



STEREOMICROSCOPE FUSIONOPTICS® TECNOLOGY

Optical system Greenough, Leica ® FusionOptics

Convergence angle	10 °
Zoom factor	6:1
Zoom range	5x - 30x
Working distance	118 mm
Viewing angle	38 °
Maximum field of view	46 mm
Max depth of field	13.6 mm
Eyepieces	10x/23 B, adjustable
Interpupillary distanc	52-76 mm

LED ring light

Number of LEDS	16 LEDs Med Pow. SMT
Service life LED	50,000 hours
Color temperature	5600 K
Control elements	brightness (10 levels)
Max power consump.	15 Watt
Power Supply	100 - 240 V

Stand

Arm stand heavy metal; arm max. 560 mm
Base dimensions; 230 x266 mm Point grounding
Ø 4.2 mm

STANDS FOR STEREO MICROSCOPE "PINACOSCOPIO"

Professional high stability steel stand on wheels, for binocular and trinocular laboratory microscopes, compatible with leading professional microscopes (Argo, Horus, Olympus, Leica, Nikon, Zeiss, etc.).

Coupling head orientation from 0 to 90 °

Focusing device with integrated lighting 2 LED high power (3,5W) semi-rigid arms and independent brightness adjustment.

LABORATORY GROUND STAND WITH ARTICULATED ARM AND LIGHT

Art.72211/ART & 72221/ARTV

All cables and power supply digital signals are pre-cabled in the stand. Base equipped with 4 wheels with brakes \varnothing 80mm. Into the base, equipped with main switch with fuse supply 230 V, is housed the transformer for LED lights.

Base dimensions 800x800 mm

Upright vertical column h 1600 mm

Articulating arm and grooved 400 + 800 + 300 mm

Weight 60 kg. (optional 90 Kg.)



2 semi-rigid arms LED light with brightness adjustment



Available version with monitor arm 22 "with HDMI inputs to display image direct from the camera.

LABORATORY STAND BY STEREO MICROSCOPE "PINACOSCOPIO"

Art.72211/FF

Stand Professional steel painted with epoxy powders oven-dried black color, base Y, wheels with device pedal-controlled, get up with counterweight movement, support plan for illumination, microscope adjustable arm rack device, joint and connection to the focuser (art.7204 focuser not included) microscopes line Horus / Argo compatible with microscopes of principali manufacturers (Leica, Nikon, Olympus, etc.).

Stand height: 210 cm,

Arm length: 100 cm,

Base dimensions: 900x800 mm

Weight: 50 Kg. approx.



STEREOMICROSCOPE "PINACOSCOPIO"

LABORATORIES

PINACOSCOPIO S9D LEICA STERO MICROSCOPE FOR MUSEUM RESTORATION WITH FLOOR STAND Art.71911/S9D

Leica S9D Body Based System, Greenough Stereomicroscope with Zoom Optics, 9: 1 Magnifier with 6.1x to 55x Magnification (with 10x eyepieces without extra lens) Visual field up to 37.7 mm for wide viewing. Working distance 122 mm. Depth of field 12 mm with Fusion Optics. Integrated photo output with 50/50% split. Greenough optical system combining planarity of the field and great depth of field.

Composition of the system:

Body optical S6D Optical Greenough
Binocular tube inclined at 35 °
Zoom: 9:1
Total magnification: 6.1-55x (with objective 10x)
Working distance: 122 mm (with objective 10x)
Working area: 37.7mm (with objective 10x)
Video phototube: 50/50%
Video Lens: 0.5x (1/2 "CCD)
Optional additional lens 0,5x, 2x
Digital camera attachment switchable 100% visual or 1 camera/1 eyepiece channel
Couple 10x eyepieces.
LED light 2 way with control bright.
Pinacoscopio floor stand.



PINACOSCOPIO GALILEIAN 8ZOOM STEREO MICROSCOPE FOR MUSEUM RESTORATION

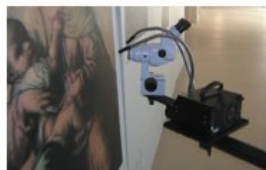
Art.71911/GALIL

Binocular tube inclined at 30 °
Couple 10x eyepieces
Objective: 1.0 x
Body optical: 8ZOOM
Dimensions: h 200 cm
Arm : 100 cm
Beam Splitter C-mount
LED light spot with 2 arms
Microscope column tilting pivot arm 90 °
Pinacoscopio stand floor microscope with wheels falling

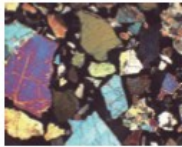
PINACOSCOPIO ARGO STEREO MICROSCOPE FOR MUSEUM RESTORATION

Art.71911/ARGO

Binocular tube inclined at 30 °.
Couple 10x eyepieces.
Objective 1.0 x.
LED light spot with 2 arms.
Microscope column tilting pivot arm 90 °.
Pinacoscopio stand floor microscope with wheels falling.



PETROGRAPHIC ANALYSIS



HORUS TRINOCULAR STEREO MICROSCOPE Art. 72035/POL VERTICAL TRINOCULAR STEREO MICROSCOPE WITH POLARIZER AND LIGHTING EPISCOPIC AND DIASCOPIC FOR PETROGRAPHIC INVESTIGATIONS.

Optical system: Mechanical tube length: DIN standard - 160 mm; parfocal distance 45 mm.

Head: Binocular, 30° inclined, 360° rotating.

Diopter adjustment; interpupillary distance adjustment 55-75 mm.

Eyepieces: Wide Field WF10x/22 mm.

Analiser: Rotating filter with graduation 0°- 90°.

Bertrand lens: Sliding in/out type with centering mechanism.

Compensators: 1/1 lambda slip (first class red), 1/4 lambda slip, quartz wedge

Nosepiece: 4-position reversed revolving nosepiece. Ball bearing linear guides.

Objectives: Strainfree planachromatic IOS 5x/0,15, 10x/0,30, 20x/0,45, 50x/0,55.

Magnifications: 50x, 100x, 200x, 500x

Specimen stage: Diameter 160 mm, 360° rotating, centrable and graduated (1° division). Min. resolution: 6' when using vernier scale.

Focusing system: Rack and pinion mechanism, with coaxial coarse and fine control knobs. Illumination : X-LED system.

Fine adjustment graduation 0.002 mm. Vertical movement range: 20 mm.

Tension control on right side; upper stage drive stop on left side.

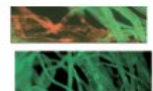
Condenser: Abbe condenser with double lens. N.A. 1.25. Fitted with iris diaphragm, blue filter and filter holder. Height adjustment by a rack and pinion mechanism.

Polariser: Sliding in/out filter, located on the top of the illuminator.

HORUS TRINOCULAR MICROSCOPE EPI-FLUORESCENCE FOR BIOLOGICAL ANALYSIS

Art. 72035/EPI

Trinocular head with adjustable interpupillary distance and diopter compensation, optical system IOS, parfocal distance 45mm, suitable for connection to cameras with kind eyes. Wide field eyepieces WF10x/20mm. Eyepieces holder revolver 5-seater, rotating in both directions with click locking. Objectives planachromatic IOS for use with incident light fluorescence 4x/0.10 - 10x/0.25 - 20x / 0.40, 40x/0.65 - 50x/0.75 (no coverslip). Floor brings prepared of large dimensions (160x142 mm) equipped with a table sideshifting graduated double nonius, with coaxial controls arranged perpendicularly respect to the plane and in a lowered position to facilitate operations to the maximum translational of the preparation. Condenser composed by a system of condensation of light to the double lens and iris diaphragm. Illuminator for transmitted light consists of X-LED lamp high-power with frosted condenser lens and light intensity regulator, all made according to the scheme of Kohler. Fluorescence illuminator for incident light, to choose between LED and mercury vapor lamp, high-pressure power 100W. Centering system of the lamp, collector with focus and system 2 excitation filters (blue and green).



POLISHING MACHINE LOW SPEED Art. 72503

Machine body in antacid steel painted.

Bakelite disk shockproof 200 mm

Motor power 0,25 KW Power supply 220 V

Speed 0÷300 rpm.

Dim. (LxPxH)370x500x300 mm Weight 32 Kg

ABRASIVE /LUBRIFICANT DISPENSER Art. 72505

THIN-SECTION SYSTEM Art. 72507

With fixing of the histological slides by vacuum with thickness micrometric adjustment of the samples for slides 28x46 - 45 x 60 mm. Complete

with support of sample holder system for preparation with automatic clamping.

PLAN WITH PRECISION DIAL GAUGE Art. 72506

Diabase stone with digital comparator (resol. 0.001 mm) for the thickness measurement and the verification of the parallelism of the samples.

IMPREGNATING AND POTTING SYSTEM Art. 72509

Vacuum bell with externally controlled pot (rotatable and translatable) for casting the resin. Requires special dry pump.



PETROGRAPHIC CUTTING MACHINE Art. 72501

Manual feed system with external lever. Refrigeration system with exhaust to lose. Machine body and main components in stainless steel. Transparent polycarbonate screen with safety micro-switch and emergency stop button. Max troncabile diameter: 60 mm with grinding wheel Ø 200 mm. Power 0.25 hp. Grinding wheel speed 0 to 3000 rev / min. Power supply 220 V Weight 36 Kg Dimensions (WxDxH) 500x460x380 mm. Complete with clamp for specimens of various shapes and diamond grinding wheel Ø 100 mm.



CONTAINER FOR 25 SLIDES

Art. 72521

Container dim. 135 X 60 X 35 mm.

Max sections dim. 49 x 29 mm.

MICROSCOPY ACCESSORIES

MICROSCOPY ILLUMINATORS

LED RING ILLUMINATOR Art. 72016/LED

Circular illuminator with LED circular illuminator ring diameter 60 mm with adjustable light intensity. Diameter of the fixing ring 60 mm
Color temperature: 6400 °K
External intensity light control. Number of LEDs: 144.
Four illumination sectors controlled by individual buttons.
Power supply: 230V/50Hz - 12 V DC, 300 mA



Art. 7201/LED

LED ILLUMINATOR 2 ARMS Art. 72016/36LED

Low power consumption
Low operating temperatures
Colour temperature similar to sunlight
Specifications
Light sources: LED 3.6W(x2)
Chromaticity coordinates (x,y): 0.320, 0.320 (typical)
Luminous flux: 400 lm (typical)
Emission angle: 25°
Power supply: 12 V DC, 1500 mA



Art. 72016/36LED

GENERATOR 14W LED LIGHT FOR FIBER OPTIC LIGHT GUIDE Art. 72017/LED

Generator 14W light generator, high quality LED lamp. Brightness control. Power supply 230V - 50 Hz
Colour temperature: 5500° Kelvin.



Art. 72017/LED & 72017/2VIEE

DOUBLE ARM OPTIC FIBER GUIDE Art. 72017/2VIEE

Guide fiber optic double arm
Arms length 500 mm, diameter 13 mm.
Equipped, at the ends of the arms of two lenses focalizzatrici to optimize the spot of light on the sample and the possibility of adding a polarizing lens of the incident light.
Use with the light source **ART.72017/LED**.

HORUS COLOURS DIGITAL CAMERAS

Cameras with C-mount and optical adapters for connection to the trinocular tube or eyepieces of petrographic/ biological microscopes and stereomicroscopes. Including microscopy image processing software.



Art. 72021/High-9.0M

Article	Type	Sensor	Resolution
72021/3.0M	3,2 Mpixels	CMOS 1/2,5"	2048 x 1536
72021/5.0M	5,0 Mpixels	CMOS 1/3"	2560 x 1920
72021/WIFI5	5,0 Mpixels	CMOS 1/2,5"	2592 x 1944
72021/HDMI	5,0 Mpixels	CMOS 1/2,3"	2976 x 1674
72021/9.0M	9,12Mpixels	CMOS 1/2,3"	3488 x 2616



Art. 72021/3.0M-5.0M

INFRARED REFLECTOGRAPHY

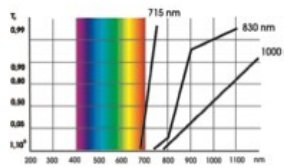
IRIS DIGITAL REFLECTOGRAPHY SYSTEM Art. 72162/DGT

Iris reflectographic systems are portable infrared visual instruments using a CCD as a sensitive element with a spectrum response up to 1100 nm. The image (reflectogramme) is displayed on monitor of PC. IRIS systems are provided with 3 interchangeable filters, which are connected to the objective ZOOM 12.5/75 mm. allowing the calibration of the recording of the different paint layers and retouchings in chronological succession. On account of their higher sensitivity, IRIS Systems do not need infrared illuminators but sunlight.

With artificial light using a spotlight with an incandescent lamp. The included software allows you to store the image in most common formats TIFF, JPEG, etc.. and also perform additional processing of the image.

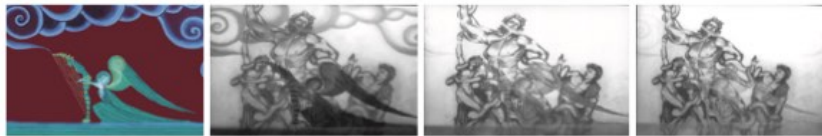
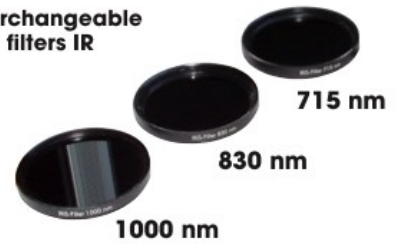
USB 2.0 high-resolution camera equipped with a tripod photo socket with the following specifications

- sensor CCD 1/2.5"
- n° pixel 2592 x 1944 (5 MPixels)
- zoom lens 12,5 - 75 mm
- n. 3 infrared filters 715-850-1000 nm
- notebook computer
- software for image acquisition
- shockproof case



IRIS DIGITAL USB2 WITH LENS ZOOM

interchangeable filters IR



visibile

715 nm

830 nm

1000 nm

IRIS MOVI Art.72162/MOVI

In the analyzes infrared reflectographic or WOOD light (ultraviolet) there is the problem of translating the imaging camera without losing the parallelism with the plane of the painting. The possibility of a parallel translation to the recovery plan is obtained for shooting in vertical planes with so-called "repro", but these can not be used for the paintings both for the size that for the simple reason that normally are positioned in vertical, wall or on a tripod for pictures. MOVI IRIS is essentially a guided carriage which is mounted on an easel professional tripod for photography/video shooting. The track is modular and can therefore be mounted from a minimum of 2 sections of 1 m up to the desired size. Unit of sale: Carriage and two sections of track 1 m, stand not included, sold separately.



Art.72162/MOVI

MULTI SPECTRAL IMAGE SYSTEM NIR-DIGI EVOLUTION WITH LED ILLUMINATOR

Art.72719/MWS3 (5,0 MP)

Multi Spectral Image System, the vision module equipped with a microprocessor which can be operated from four function keys. It allows the positioning of the nine filters in the range (UV, visible, blue, green, red, NIR 1, 2, 3, 4) and is equipped with an LCD display for operating messages. The instrument is connected to an external laptop computer (computer optional) with a personal software (included). CCD sensor, sensitivity range 360/1100 nm. The module is also equipped with a 35/70 mm NIKON-type photographic lens. Dimensions: 13x10x13 cm lens excluded. Standard 6mm connection for tripod. Automated functions available as software - Color and false color - Fluorescence images in ambient light - Infrared images without the use of filters with Illuminator LED NIR1 NIR2.

- Resolution :** 5,0MPixel
- Sensor;** High sensitive 10 bit monochromatic
- UV Filter:** Low pass , 380nm
- VIS Filter:** Band pass 400 - 680 nm
- Blu Filter:** Band pass 460nm, B.W. 80nm
- Green Filter:** Band pass 560nm, B.W. 80nm
- Red Filter:** Band pass 610nm, B.W. 80nm
- Nir1 Filter:** High pass 750nm
- Nir2 Filter:** High pass 850nm
- Nir3 Filter:** High pass 950nm



IMAGING SYSTEM

MULTISPECTRAL IMAGING SYSTEM

Instrumentation based on image analysis of the visible band including the ultraviolet and near infrared part. The base tool can select 11 bands meter, the advanced tool has 30 bands of analysis. The instrumentation finds many applications in the field of analysis on historical finds for example: the study of preparatory drawings of paintings on canvas and table, analysis of graphic works, to analysis of ancient and modern documents damaged by water and fire or very dirty and deteriorated, in the palaeographic field it offers a valuable tool for reading "inferior and superior" writings of ancient manuscripts. Also suitable for research and surveying studies and for investigations by the scientific police.



Introduction to scientific use on the state of aging of the work of art.

The target to be achieved is to be able to resume, in later times, color images of a work of art that allow us to state if and to what extent changes in his physical state have occurred. Traditional photographic techniques do not allow this objective to be achieved, either because photographic films and print media do not have stable colors over time or because their colorimetric characteristics are not very reproducible. Digital cameras or color cameras suffer from the same problems. The RGB optical filters (red, green and blue) used by them for the spectral separation of the red, green and blue colors, are not stable over time and change from instrument to instrument even for nominally identical instruments. Furthermore, for both techniques, the colors of the measured image depend on the spectral irradiance of the lighting source which, as we know, changes significantly with use. These two paths are therefore not passable because they can not guarantee the comparison of two images taken at considerable distance of time and this will prevent us from evaluating the evolution of the work of art over time.

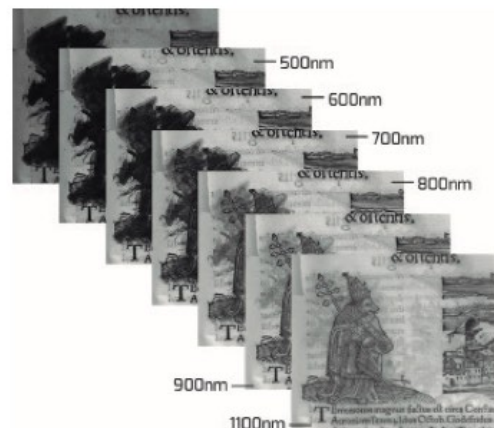
Specifications	X01	X01-doc
High image resolution	5 MP	5 MP
Real time acquisition	15 fps	15 fps
Sensor sensitivity	Yes	Yes
Sensitivity range	350-1200	350-1150
Bands number	30	11
Acquisition & Visualization software	Yes	Yes
Portability-weight	1500 gr	1450 gr
No extra power required	USB 3.0	USB 3.0
C-mount compatibility	35 mm	35 mm
Tripod Thread compatibility	Yes	Yes



Accessories: Laptop, Windows System, Acquisition & Visualization Software installed, Backpack, Easy to open, Resistant, Good protection, Versatile carrying Tripod, Aluminum Tripod, Central column moves from 0 to 180 degrees, Light source, Aluminum Tripod with Halogen Projector.



In the analysis of ancient documents, the multispectral vision with the support of the elaboration software allows reading documents very damaged by natural causes and by man.



MULTISPECTRAL IMAGE SEQUENCE

UV FLUORESCENCE ANALYSIS

FLUOCAM UV Art.78181

WHITE/UV LIGHT PORTABLE LED LAMP WITH CAMERA

The UV fluorescence, is the investigation that using the radiation emitted in the band of the near ultraviolet (UVA-365 nm) allows an analysis of the most superficial layers of the surface paints. This analysis allows obtaining information on the executive technique and on the state of conservation of the paint. This analysis also always used to highlight the presence of restoration interventions (retouching and repainting).

FLUOCAM UV combines in a single instrument the light sources with white light and UV light and a high resolution camera for documentation. FLUOCAM UV It features a rechargeable battery-powered, Touch screen display and image transfer with WiFi connection or via Micro USB.

Features:

- Equipped with 3 high power UV LEDs
- UV light intensity 4500 μ W/ m² or 6000 μ W/cm² at an irradiation distance of 38 centimeters
- White light emission in UV operation <10 Lux
- Minimum working distance 13 cm
- Life of use > 30,000 hours
- UV/White light selection button
- White light intensity 900 Lux to 38 Centimeters
- Complete with charger
- The instantaneous on/off eliminates the waiting time for the lamps to heat up
- Single wavelength, no heat and high generation of UV light
- Built-in video camera for 12.8 mega pixel images and videos
- Screen size and resolution 3", 720*720
- Android 4.4 operating system
- Languages Italian English German French and others
- Optional lenses: macro and grandangolo
- Filters: red, green, yellow, blue



Technical specifications:

- Wavelength 365 \pm 5nm
- Light intensity UV 4500 μ W / cm²
- Intensity of light White in UV <5 Lux
- Light intensity White 900 Lux
- 230 V AC power supply and battery
- Weight 970 g
- Dimensions 110 x 110 x 240 mm
- Battery life 2 h
- Memory Built-in camera 32 Gb
- Protection: IP67

Only professional use



ULTRAVIOLET LAMPS



WOODTEST-LED PORTATALE 41 LED UV

Art. 78173 Flashlight aluminum 41 LED UV with 2 operating mode: 21 LED and 41 LED. Max Output: 11, 000-13, 000 mcd each LED. Battery: 4xAAA. Size: 146x53mm. Weight: 197.4g



UV PORTATALE LIGHT

Art. 78170

Power: 4 Watt
Dimensions: 190x55x24 mm
Weight: 95 gr.
Power supply: 4 x 1.5V "AA"

U.V. LIGHT BULBS FLUORESCENT AND MERCURY VAPOURS

Art. 78133

Power 25W
Yield 100W.
Fluorescent lamp with screw connection, type E27.
Dim.: 160x70 mm.



Art. 78136 Mercury vapor lamp with screw connection type E27. Power 160W
Dim. 175 x 70 mm
Power supply 230 V/50Hz.
Require lamp holder. Recommended **Art 78110**.



U.V. FLUORESCENT TUBES

Frequency 315-400 nm

Art. 78155 15 Watt - 45 cm

Art. 78157 18 Watt - 60 cm

Art. 78159 36 Watt - 120 cm



WOOD LAMP Art. 78209

Magnifying lamp in ABS with crystal lens 3 diopters. Fluorescent tube light wood from 9 watts.

U.V. FLUORESCENT TUBE

Art. 78158 9 Watt

Art.78209 Recharge



UV 365 LED LIGHT Art. 78175

LAMP UV at beam focused to 120mW at LED technology for the analysis of paintings. Use a new generation of radiation-emitting diodes, which offer high performance and are considered to be almost eternal and indestructible.

Light source	LED UV 120mW
Lens diameter	19mm
Working distance	200 mm
Power supply	NIMH- 4.8 V
Current drain	2,0 W
Dimensions(LxWxD)	111x70x30 mm
Weight	260 gr



UV SAFETY GOGGLES

Art.91243/UV TRANSPARENT
visible light transmission 93%

Resistant safety goggles in anti-scratch and anti-fog polycarbonate that provide total protection against UV rays and blue light up to 530 nm. Lightweight and versatile they can be used alone or over prescription glasses. Conforming to EN166 - EN 170:2000



SUPERNATURLUX WOOD CIRCULAR LAMP

Art. 78612/wood Lamp designed specifically for the restoration, also suitable for digital photography, 4 lamp characterized by special light bulbs iWOOD (UV) 25W high lumen output.

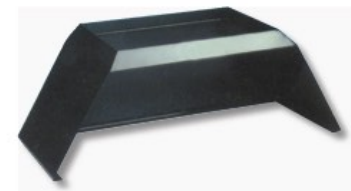


TRIWOOD 25/36 Art. 78163

For a high intensity of illumination and for a variation of the wavelength of the UV rays. The structure in painted steel 260 x 160 x 70 mm encloses, laterally and arranged in pairs, four UV lamps 6 Watt to 366 nm, and a UV lamp centrally 10 Watt to 254 nm.

TRIWOOD 6/36 Art. 78161

As Triwood 25/36 but with six U.V. lamps at 6 Watt 366 nm.

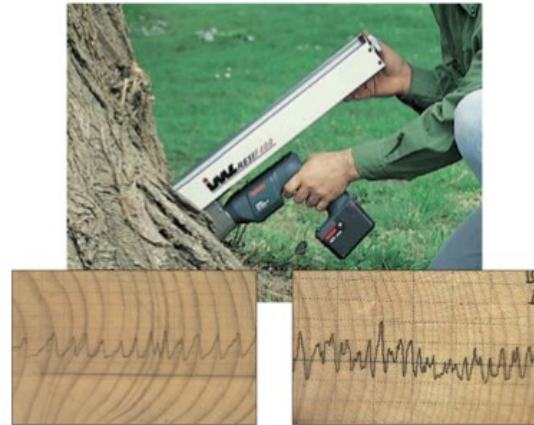
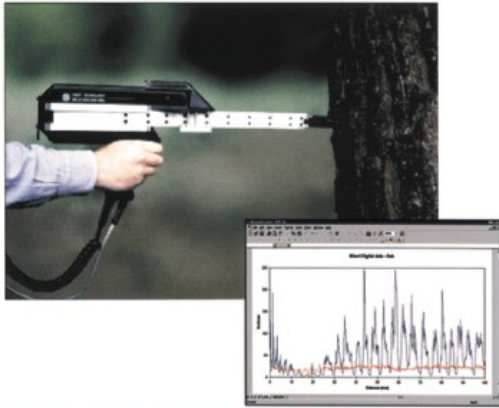


OPEN SUPPORT

Art. 78165

Support in shape of pyramid trunk open on one side. Base 495 x 190 x 180 mm. Useful in the analysis of documents and small artifacts. Is suitable for lamps Triwood.

RESISTOGRAPHES - PENETROMETER



WOOD DECAY ANALYSIS Art. 71850 NON-DESTRUCTIVE ANALYSIS METHOD FOR THE MEASUREMENT OF THE DETERIORATION OF WOOD

The technology on which is based the operation of the resistograph is simple. The difference between the survey of a hard wood and soft one can be perceived as a change in resistance between the different types of wood. In practice, the measurement of the percentage of penetration of a probe that is turned quickly penetrates into the wood, determines the conditions. Any wood can be tested using the resistografo, hard or soft, wet or dry, live tree or construction wood, treated or untreated. The information of the measure, returned in digital form, can be imported to a PC ready for further completion of the investigation deondrological.

- Cross section of wood fast and accurate in a 1:1 ratio
- Penetration into any type of wood
- Digital recording that allows a smooth and efficient monitoring of the decay of materials
- Operation with rechargeable battery for convenient use by field
- Power supply: 12V - rechargeable batteries
- Probe speed of rotation: 7000 r / min
- Hole probe diameter: 0.9mm
- Standard probe length: 200 mm (1000mm optional)
- Data output: RS232. Data Format: ASCII
- Windows software for data download and export to Microsoft Excel
- Weight: 2.2 Kg.
- Dimensions suitcase kit: 460 x 320 x 170 mm

WOOD RESISTOGRAPH PD400 KIT

Art. 71856/PD400

Instrument with probe 400 mm and memory capacity by 80 meters, needle mounted, battery charger rapid, 2 Premium Li-ion battery, adapter 45 ° integrated (integrated tilt sensor), cable, USB connection, bluetooth adapter; Pliers, 5 replacement needles, shockproof aluminum suitcase; PD PRO-TOOLS software module including Pole inspector; Automatic control module was wear or breakage; module Feed Curve; module Tilt Sensor.

Art. 71855/SOFT Software of elaboration for wood resistograph f400



DUST MONITOR PORTABLE MONITORING UNIT FOR FINE DUST PM1-PM 2,5-PM4-PM10-TSP Art. 71541

The tool is a portable device for monitoring the concentration of fineparticles in the air expressed as PM2.5-PM1-PM4-PM10 -TSP and measured in micrograms / m3. This tool uses the laser scattering method and can give readings of concentrations in a minute. It can put in memory up to 2500 measures that can be downloaded on a PC. † is very easy to use, very reliable and with good accuracy.

Technical features

- Time required to measure: one minute
 - Measures storable in the memory: 2500
 - Battery recharge time: 2.5 hours
 - Operating temperature: 0-50 ° C
 - Operating principle: Laser scattering
 - Readings: PM1 PM2.5-PM4-PM10-TSP
 - Measuring range: 0-1000 micrograms / m3
 - Resolution: 0.1 micrograms / m3
 - Sensitivity: 0.5 micrograms / m3
 - Accuracy: +/- 10%
 - Sample flow: 2.83 lt/min
 - Reading: LCD
 - Size: 16x9x5cm
 - Weight: 0.8 kg
 - Power: Internal rechargeable battery
 - Autonomy: 8 hours in continuous
- The instrument is supplied complete with: Battery charger - USB cable - Software



PENETROMETER MOD. PNT-G FOR MORTARS

Art. 718683

Complete with mechanical drilling and digital control unit, protective case and template for drill positioning. Included: 2 rechargeable battery and 1 battery charger.



EQUIPMENT FOR ANALYSIS

PORTABLE XRF SPECTROMETER Art.72001/NEW

ELIO, the new and innovative portable XRF spectrometer, is based on the EDXRF technique and was designed for in situ, fast, non-destructive and non-invasive analyzes on printed materials, such as documents, books, scrolls and manuscripts, metals, jewels, ceramic objects, seals, glass objects, paintings, frescoes, marbles, materials research and general analysis in general. The considerable sensitivity of the spectrometer also allows the analysis of trace elements (pollutants). The system is equipped with a large fast Silicon Drift Detector (SDD) with final performance. It is available with different types of anodes to meet the application needs. The X-ray generator can be coupled on request with collimators to achieve exact sample sizes up to 1 mm. The head can be easily mounted on a lightweight tripod and optionally equipped with an XYZ translator stage for elementary mapping, with automatic scanning software and analysis software. The innovative measuring head allows high counting rates and fast measurements. ELIO is equipped with advanced software for instrument control and for easy data and report analysis. The compact design of the sensing head and the light weight of the tripod make Elio the optimal solution suitable for mobile use: the weight of the test is only 2.1 kg! It is a unique and compact tool ready to analyze the elements of the sample; just connect USB to your computer.

Detection head

Large area silicon drift detector: 25mm², <135eV@ MnKa at 10kcps, <180eV@200kcps
 Electronics: fast (USB2.0) 8K channels MCA with high resolution and high countrate capability.
 Excitation source: transmission X-Ray generator, 5-200uA, 10 - 50 kV, Rh anode, 1mm. collimator.
 Two pointing lasers (axial and focal)
 Microscope camera (magnified image 2x1.5 cm)
 LEDs light with dimming adjustment on analysis region
 External videocamera (for large view images)
 Dimensions:270x170x170mm * Weight: 2.1 Kg.

Tripod Mounting

Aluminum light tripod

Geared Column: height adjustment: 43cm – 188cm. Light duty grip ball head with easy 3D positioning
 Micrometric positioning sliding plate (length 120mm). Extension arm

Software

Elio software for complete instrument control in one interface. Easy project and report creator. Spectra visualization and calibration

Notebook Professional Pre-configured PC with Windows system and ELIO software. Waterproof case for the transport of the tool.

QUANTITATIVE SOFTWARE FOR PORTABLE XRF SPECTROMETER Art.72001/SWQ

Quantitative software for elemental concentration calculation for portable XRF Spectrometer.

BATTERY POWER SUPPLY KIT FOR PORTABLE XRF SPECTROMETER Art.72001/BPW

Complete with network charger in a compact and light container. Other options: "CUBE - Ultra Fast Silicon Drift Detector" (> 500,000 counts per second); Light Kit of helium elements for the direct detection of elements up to Na (Z = 11); Set of 4 x-ray filters

SCANNERS 3D

New generation Professional 3D scanning system specially designed and manufactured to meet the demands of the restoration sector. Easy to use and convenient for everyone. It allows the production of copies of pieces to be reproduced or restored, exactly identical to the original ones, maintaining the working style and the finish unchanged. The



3D scanner with CNC machines allows you to create your art projects quickly, maintaining a particular attention to detail, ensuring a perfect optimization of the final product value and production costs.



RADIOGRAPHIC SYSTEMS

For paintings and canvas/board 5-80 KV
 For metals and ceramics 20-200 KV
 Scanners and X-ray plates
 Consumables



PORTABLE X-RAY UNIT

CHEMICAL ANALYSIS TEST

MiniLabor Plus



MINILABOR PORTABLE CHEMICAL FIELD LABORATORY

MiniLabor is easy to use and it does not imply any particular scientific knowledge. It is used to determine the main constituents of the pigments and to recognise salts, organic compounds, glues and fixatives. The portable chemical field laboratory is composed of a suitcase containing a chemical glassware and a acrylic container with reagents. The instruction manual provides all the detailed procedures to determine elements and compounds. The real-time results enable the restorer to decide the best way to operate while working (for example what solvent to use etc).

MINILABOR BASE Art. 71811

MINILABOR PLUS Art. 71813

It also allows the measurement of pH, conductivity of water and water absorption.

MINILABOR enables the carrying out of chemical qualitative analyses in order to determine the following compounds:

ANIONS: sulphates, nitrates, chlorides, bromides;

CATIONS: copper, cobalt, chromium, lead, iron, titanium, zinc;

ORGANIC COMPOUNDS: proteins, oils, saponifiable waxes and resins, natural resins, polysaccharoses;

SALTS (saline efflorescences): nitrates, sulphides, chlorides;

PIGMENTS; GLUES AND FIXATIVES.

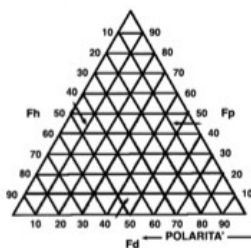
All the above surveys follow the "METHODS OF IDENTIFICATION - NORMAL" proposed by the Central Restoration Institute of Rome - Italy.

COLORIMETRIC TEST	ARTICLE	METHOD	GRADUATION
NITRATE/NITRITES	71815	Test strips 100 pz	10 - 25 - 50 - 100 - 250 - 500 mg/l
SULPHATES	71817	Test strips 100 pz	200 - 400 - 800 - 1200 - 1400 mg/l
CHLORIDES	71818	Test strips 100 pz	500 - 1000 - 1500 - 2000 - 3000 mg/l

FELLER TEST Art.71819

The solubility test for paints proposed by Feller is necessary to ensure a margin of safety in the cleaning operations of oil paintings. It takes into account only one of the three solubility parameters, more precisely f_d , and you go to find, with mixtures of standard f_d known, the value necessary to solubilize the varnish, in agreement with the value found then will choose the appropriate solvents for cleaning. "TEST FELLER" consists of 13 mixtures solvent with f_d known.

In practice, are performed some paint removal tests on small areas of the painting, always starting from the mixture n° 1, and passing to the next until until finds one that dissolves the varnish. Determined as the highest value f_d necessary (the least polarity required for dissolution), it is necessary to find a solvent (or more often a mixture of solvents), with this value of f_d , which carry out the cleaning. We seek in the table of solubility parameters if exist, in the immediate vicinity of the value of f_d determined using the TEST, a solvent (less toxic as possible) that you can use. If such a solvent does not exist, the value of f_d determined with the TEST, will be reproduced with a mixture of solvents. For operational simplicity should



always move towards binary mixtures. In order to graph these three parameters, we use the TRIANGLE OF SOLUBILITY or triangle Teas. Each of the three sides of the triangle represents the value, from 0 to 100, of one of the three parameters. The base shows f_d , the right side f_p , the left side f_h . Each point inside the triangle corresponds to a specific triad of the three parameters.



PHYSICAL AND CHEMICAL ANALYSIS TEST

LABORATORIES



KARSTEN TUBE Art. 71413

Simple control method, to measure water repellence, or the absorption of water, of a stone material. It is applied on the support, the tube Karsten, introduce the water and to make the readings of absorption after 5', 10' and 15', the difference between the readings after 5'e 15' expresses the absorption in grams on area of 5 cm² in 10'.

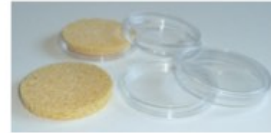


WATER ABSORPTION TEST Art. 71415

NORMAL 44/93. Water absorption at low pressure. Describes the method for determining the volume of water absorbed at low pressure by a specific surface area of porous material after a predetermined time.

CONTACT SPONGE ABSORPTION KIT TEST Art. 71417

UNI 11432:2011 Cultural heritage - Natural and artificial stone
- Determination of the water absorption by contact sponge



Art. 71415

SUPPORT OF SAMPLES FOR TESTING PERMEABILITY UNI EN 15803:2010 Art. 71409

Conservation of cultural property - Test methods. Determination of water vapour permeability. The standard specifies a method to determine the permeability to water vapor (WVP) of porous inorganic materials used, and which constitute, cultural goods. The method can be applied to porous inorganic material is not treated that undergo any treatment or aging. Support of samples made of white PVC with sealing silicone gaskets and stainless steel screws. Weight 200 g excluded sample. Type of electronic scale recommended: with precision 0.1 mg minimum capacity 310 gr.

Art. 71409



MINILABOR EVOLUTION - A Art. 71814/A

This is a portable professional laboratory to analyze and diagnose, in the field of Cultural Heritage, historic building materials and interior/exterior microclima. The analysis procedures are guided by simple instructions. The tests and procedures are guided by a detailed user manual and are carried out according to UNI and / or NORMAL reference. The instrument is housed in rugged IP67 shockproof waterproof case. Weight: 7 kg. Size: 570X425X215mm

List of analysis that can be performed:

Measurement of water absorption at low pressure: Karsten tube, cell by measuring the absorption of water at low pressure, NORMAL 44/93 "Water Absorption Low Pressure"

Humidity measurement method with contact sponge: UNI 11432:2011 - Cultural heritage - natural and artificial stone materials - "Measure of the capacity of absorption of water by means of contact sponge".

Humidity measurement of stone materials: Conductimetric system and high-frequency dielectric probes.

Measurement of total soluble salts: UNI 11087:2003 - Cultural heritage - natural and artificial stone materials - Determination of soluble salts. Measurement of Total Soluble Salts TDS Conductivity. Field of measure: 0-19,99mS/0-1990µS; 0-19,99ppt/0-1999ppm. Resolution: 1µS-0,01mS-0,01ppt Precision 1% range.

Quantitative analysis of sulfates, nitrates, nitrites and chlorides: UNI 11087:2003 - Cultural Heritage - Determination of soluble salts Semi-quantitative and qualitative analysis of sulphates, nitrates, nitrites and chlorides with colorimetric test strips. Operating Range: SULPHATES: 200-1400mg/l, NITRATES: 10-500mg/l, NITRITES: 0-80 mg/l, CHLORIDES: 500-3000mg/l.

Measurement of environmental parameters: Measurement of environmental parameters Infrared pyrometer for measuring the surface temperature with measuring range: -40_ to +816° C, resolution 0,1°C, accuracy: ± 2%, Meas (Distance / Size): 12: 1, capable of issuing 0,3-1 Thermo-hygrometer probe with measuring range 5-95% RH, -30 ... +70 °C

Kit of sampling - Only professional use

PEELING TEST SET Art. 71413 ADHESIVE TEST STRIPS - This non-destructive testing test provides information on the surface structure of stones and plasters. The test consists in applying a sequence of strips of adhesive tape applied one by one to the surface and then removed = "peeled", the weight of the removed material is measured by means of a laboratory scale with precision 0.1mg.



PHMETERS - CONDUCTIVITY METERS

TDS DIGITAL CONDUCTIVITY METER

Art. 71512

Dual scale. Prot. IP65

Conductivity range: 0-19,99 mS / 0 - 1990µS
0-19.99 ppt / 0-1999 ppm

Resolution: 1µS - 0.01 mS - 0.01 ppt

Precision: 1% scale 1 dgt

Dimensions: 165 x 35 x 32 mm

Weight: gr 65

Automatic temperature compensation.

Temperature compensation: 0-50°C

Battery powered (4x1, 5V LR44).

Automatic calibration on 2 points.



Art. 71312

DIGITAL DUAL SCALE PEN

Art. 71314

DUAL DISPLAY LCD (pH -°C). Pocket instrument water-proof IP 65 for measuring the temperature and pH. Automatic temperature compensation.

PH range: 0 - 14 pH

Resolution: 0,1pH

Precision: 0.2 pH

Range °C: 0 - 50°C

Precision °C: ± 1°C

Dim.: 165x35x32 mm.

Weight: 70 gr

Power supply: battery (4x1.5V).

Calibration on 3 points.

PH 4.00-7.00-10.00



Art. 71314

DIGITAL PHMETER Art. 71313

with probe for liquids

Combined instrument for measuring pH, mV and °C.

Conductivity range: pH:0-14;mV:-1999+1999;°C: 0+100.

Precision: ±0,0 pH;±1 mV;±0.4°C



Art. 71313

FLAT PH PROBE Art. 71328

Body glass electrode, characterized by the flat shape of the tip, designed to offer maximum precision of the measurements of the pH of surfaces, paper, leather and skin emulsions. BNC connector.



Art. 71328

PORTABLE PH METER FOR LEATHER AND PAPER BLUETOOTH

Art. 71326

Wireless pH meter for flat surfaces has a flat tipped glass sensor and an open junction design to measure pH on flat surfaces or small volume samples. All readings are transmitted directly to your Apple or Android device. Manual calibration of pH 5 points.

Resolution 0,001pH

Accuracy: ±0.005 pH

Battery: CR2032 3V /approximately 500 hours of continuous use.



PH-METRE SUITCASE WITH CALIBRATION KIT

Art. 71395

KIT CALIBRATION FOR PH

Art. 71397 pH 7.01-4.01

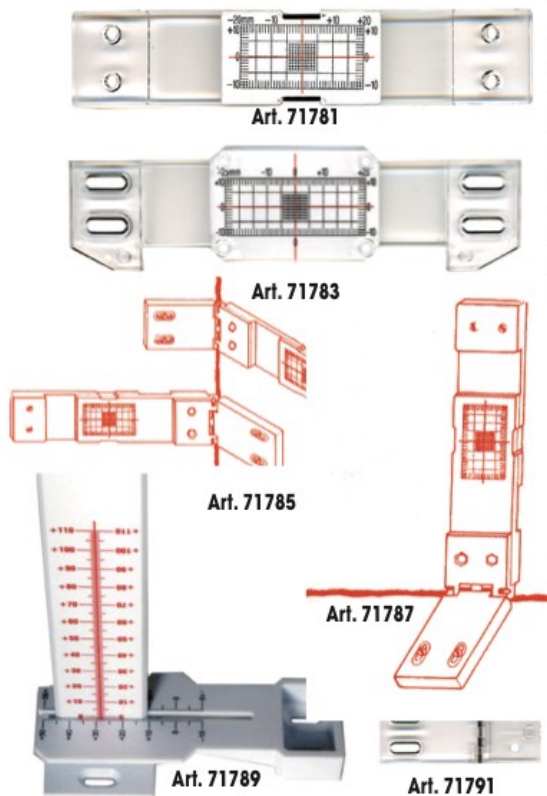
(5+5 of 20 ml)

SOLUTION FOR CONDUCTIVITY METER Art. 71513

1413 µS Pack Size 25 folders 20 ml.

PH UNIVERSAL INDICATOR PAPER Art. 71381

CRACK GAUGES



The crack gauges are formed by two movable overlapping plates. The top plate is engraved with a grid, the lower one is calibrated in millimeters. The measure of the movement of the lesion is also detectable in fraction of millimeters and is marked by the entity of the displacement of the plate with grid respect to the plate graph below, starting from the value zero. The registration card that accompanies each instrument, allowing you to follow every movement of the lesion and to decide on the most appropriate intervention. Mounting by adhesive or screws and plugs.

STANDARD Art. 71781 To detect on flat vertical or horizontal movements also simultaneous. Measurements up to 20 mm, precision 1 mm. Acrylic material.

STANDARD PLUS Art. 71783 To detect on flat vertical or horizontal movements also simultaneous. Measurements up to 25 mm, precision 0.1 mm. Acrylic material.

ANGLE Art. 71785 Kit 2 crack gauges to detect lesions at the corners subject to bidirectional movements also simultaneous. Measurements up to 20 mm, precision 1 mm. Acrylic material.

FLOOR Art. 71787 To measure subsidence or settling of floors with respect to walls or pillars. Measurements up to 20 mm, precision 1 mm. Acrylic material.

ADAPTER Art. 71791 for use model Standard and Standard Plus on corners reliefs or floors. Acrylic material.

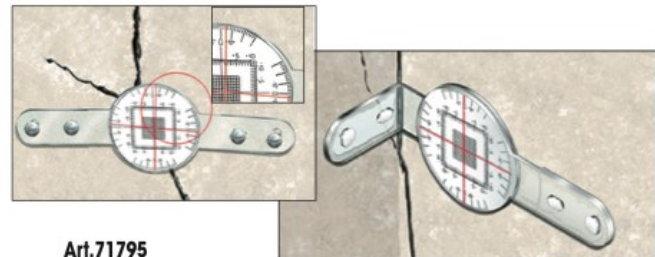
ANGULAR CRACK GAUGES GONIOS

Crack gauge GONIOS can also identify the degree of rotation of the surfaces on which it is placed.

STANDARD CRACK GAUGE GONIOS Art. 71795 To detect on flat vertical or horizontal movements also simultaneous. Measurements up to 20 mm, precision 1 mm. Acrylic material.

ANGULAR CRACK GAUGE GONIOS Art. 71797 For measurements of bi-directional angled walls and floors. Measurements up to 20 mm, precision 1 mm. Acrylic material.

HEIGHT DIFFERENCE Art. 71789 To measure the extent of any loss of planarity of the surface damaged. Measurements up to 20 mm, precision 1 mm.



Art.71795

Art.71797

NEW2STEO LOGGER FOR CRACK METERS Art.71148

Aluminum enclosure protection degree IP65 Without probe.

Input signal: resistive; resolution: 1LSB; response time: 0.15 seconds

Memory capacity: Up to 32 768 measurements with date / time (flash memory technology). Radio Frequency: ISM 868 MHz (Europe), 915 MHz (USA). Flow rate signal: From 30m up to 1km (according to the type of antenna). Temperature of use -40/+85 ° C. Logger protection: IP65

Dimensions: 98x64x34 mm. Weight: 250 gr.

Battery: Lithium 3.6 V. Archival data: EXCEL or PDF

Other features such as Art 71147.

Requires **Art 71146** Wireless USB+software.



Art.71148

EXTERNAL CRACK METER Art. 71148/EXT

Electric exterior crack meter. (IP 65). Protection: IP65

Sensor for flat surfaces with self-aligning joints.

Made of aluminum/stainless steel AISI303. Stroke: ± 25 mm.

Linearity: $\pm 0,05$ %. Body dimensions: 179 mm \varnothing 35 mm.

Sensor for flat surfaces with self-aligning joints.

Made of aluminum/stainless steel AISI303. Cable of 1 mt.



Art.71148/EXT

HUMIDITY EQUIPMENT METERS- THERMOMETER IR

ELECTRONIC MULTIFUNCTIONS THERMOHYGROMETERS

HYGROTESTER 5000

Multifunction portable tools microprocessor with parameter display on large LCD. Designed specifically for the needs of site surveys and laboratory, with their range of accessories allow the measurement of moisture in the wood, fabrics, paper, building materials (brick, stone plaster, concrete, etc.) of the air over to measuring the temperatures of air and surfaces. Carrying case 325x295x115mm.

Dimensions: 155 x 85 x 34 mm
 Weight (with battery, without probe): 250 gr
 Power supply: battery 9/ Volt
 Measuring range: from 4 to 100 % H₂O:
 Manual temperature compensator: from -10 to +90 °C.
 Ambient humidity range: from 5 to 95% U.R.
 Temperature range: from -30 to +70 °C



HYGROTESTER 5000
 WITH CARRYING CASE AND PROBES

HYGROTESTER 5000 TC Art. 71628/TECS5 PAPER/TISSUE (PROBE NOT INCLUDED)

Measure the moisture content in the following materials:
 Air, paper, tissue (with probe tips). Air temperature sensors (T/RH air) and floor areas (with IR sensor).

HYGROTESTER 4000 Art. 71628/EDIL5

MATERIALS BUILDING / WOOD / AIR (PROBE NOT INCLUDED)

Measure the moisture content in the following materials:
 Masonry, plasters, mortars, Air, Wood, (with probe tips/buffer or high frequency). Air temperature sensors (T/RH air) and floor areas (with IR sensor).



Art. 71629/CAPA

DIELECTRIC PROBE Art. 71629/CAPA

Humidity probe materials at high frequency, which allows the moisture relief to more than 100 mm in depth, or in the presence of non-conductive coatings, it is also immune to the presence of soluble salts (such salts alter the measurement with electrodes to resistive measure). The probe is equipped with a 1 m cable with multipolar plug. Size Ø 25 x 170 mm.

Art. 71629/IR

INFRARED TEMPERATURE PROBE Art. 71629/IR

Contactless infrared temperature measurement pyrometric sensor) with 1m cable with multipolar Plug. Renge 0-100 °C. Size Ø 25x170 mm.

Art. 71629/ARIA

HUMIDITY AND AIR TEMPERATURE PROBE

Art. 71629/ARIA Air thermohygrometric probe, capacitive sensor, with 1 m cable with multipolar plug. Measuring range: 5/95% RH; -30/+70°C. Dim. Ø 25 x 170 mm.



Art. 71629/INFIS

PROBE WITH NAILS Art. 71629/INFIS

Electrode holder complete with head conductive rubber and cable with BNC connector.

Art. 71629/TAMP

Art. 71629/TAMP Electrode holder complete with head conductive rubber and BNC cable.

BUILDING MATERIALS MEASURE MOISTURE BY CALCIUM CARBIDE METHOD model PRO compliant with DIN 18560

Art. 71604 The Hydromat CM-P Pro is a device for determining the dampness of hardened building materials and various other materials using the calcium carbide method. The use of this measuring technique is recommended by various specialist associations for a range of measurement tasks and has thus been well known for years in practice alongside electrical measurement. Measuring Range: Structural Moisture: 0.30 to 7.50 CM-% using gauge readout; 0.14 to 22.90 CM-% using conversion table Case size: approx. 500 (L) x 420 (W) x 125 mm (H). Weight of case: complete approx. 8.960 kg Included: Hydromette Compact B structural moisture pre-tester



ELECTRONIC MEASURING DEVICE Art. 71602

The Compact B is an electronic structural moisture indicator based on a non-destructive dielectric constant measuring or high frequency. The indicator is equipped with a digital LCD and a universally applicable ball sensor for a non-destructive location of moisture concentration in all kinds of building materials as well as for assessment of moisture distribution in walls, ceilings, floor finish. Range: 0-100 digits. Dim.: 200x35x35mm. Weight 190 gr. Battery 9 V.

INFRARED THERMOMETER Art.71125

Practical tool from the handle pistol allows easy pointing with the laser beam to precisely locate the object to be measured.

Distance to Spot size ratio 12:1
 Adjustable emissivity from 0.3 to 1.0. Automatic Data Hold
 Temp. range: -40°C to 816°C
 Resolution 0.1°C < 300°C - 1°C over. Precision: ±2°C < 300°C
 Power supply: 2 x 1.5V AAA
 Dim.: 195x134x50 mm.
 Weight: 240 gr.



ENVIRONMENTAL DATA METERS

ENVIRONMENTAL MONITOR

ELSEC 765 Art. 71612/765 - 765C Art. 71613/765

Device specially designed for the measurement and visualization on the display of the four parameters that cause the most damage to the historical and artistic heritage: temperature and humidity, ultraviolet and visible radiation. Ultraviolet rays can be measured as a proportion of UV present (μW / lumen) or total (mW/m^2), the measurement of visible radiation such as candles or Lux. The temperature can be measured in scale $^{\circ}\text{C}$ or $^{\circ}\text{F}$ and humidity as RH % or as dew point. The device can be recalibrated by means of testing Kit (Art. 71617). The model 764 C also allows the storage of data acquired with the ability to set the acquisition rate. The data is downloaded to a wireless PC through IRDA infrared port. The dedicated software allows the storage of data on hard drives and the ability to export to Excel.

The environmental monitor Elsec are excellent for testing the "Conservation Environmental Conditions" contained in the UNI 10829 norm.

DIGITAL THERMOHYGROMETER Art. 71572

FOR AIR WITH SEPARATED SENSOR

Practical portable instrument for measuring humidity and air temperature in museums, archives, libraries, warehouses and civil buildings. With separated sensor. Probe 200 mm with cable.

Easy calibration; memory readings max-min; hold button to block the reading; Auto power off.

High stability digital humidity/temperature sensor.

Dual display temperature/humidity 51x32 mm

Instrument dimensions: 200x68x30mm

Measurement range: 10..95% RH; 0..50 $^{\circ}\text{C}$

Resolution 0,01 % RH: 0,1 $^{\circ}\text{C}$

Accuracy: $\pm 3\%$ between 10/95 $^{\circ}\text{RH}$ 25 $^{\circ}\text{C}$

Power requirements: 9 V

Dimensions: 200x68x30mm

Complete with shockproof carrying case.

ELSEC



ENVIRONMENTAL & METEOROLOGICAL MONITORING SYSTEMS.



METHODS FOR ACOUSTIC DETECTION OF INSECT PESTS

It is an instrument elaborated to detect the sounds in all kinds of wooden elements: beams, frames, parquets, furniture, etc. Its function is to locate the sounds produced by different xylophagous insects (woodworms, termites, longhorn beetles, etc.).

Its great sensibility allows a quick and precise inspection which requires few observation points. A possibility to record the sounds detected by means of a conventional audio outlet for any kind of recording device of the market or with the sound inlet of PC makes of this instrument a very useful and efficient tool.

The instrument consists of: Sound box, Auditory sensor, Cable for a sensor, Audio outlet RCA, Cable for audio connection, Cable for recorder/PC connection, Hi-Fi headphones.

Recordings made: cerambicide, *Hylotrupes bajulus*, feeds on pine wood; dry wood termite, genus *Kaloterme*, feeds on pine wood; underground termite, genus *Reticulitermes*, feeds on black poplar wood; dry wood termite, *Criptoterme brevis*, feeds on black poplar wood; underground termite, genus *Reticulitermes*, feeds on pine wood. Audio recording made in the laboratory. It works with 9V square batteries, instrument with low weight (about 220 g). Easy to use and transport. Warranty one year.



HYGROTHERMOMETRIC METERS

ROLLER THERMOYGGROGRAPH Art. 71631

Thermosensitive element: bimetallic spiral
 Temperature range: 0 ° C... +40 ° C - prec. ± 0.5 ° C
 Hygrometric element: hair bundle
 RH range: 0 ... 100% - Prevc $\pm 3\%$
 Roll rotation: 30 days - 7 days - 24 hours
 Watchmaking: 1.5 Volt battery
 Size chart: 82x286 mm (model THT)
 Construction: stainless steel AISI 304
 Dimensions / Weight: 280 x 155 x 285 mm / 3.2 kg
 Art. 71656 SPARE SET 55 weekly diagrammed sheets and 2 pens
 Art. 71655/ THT 55 weekly diagrammed sheets/daily
 Art. 71655/ TMEN 12 monthly diagrammed sheets



DIAGRAMMED SHEETS AND PENS FOR THERMOHYGROGRAPHS

Temperature 0/+40°; relative humidity 0/100%RH pack 55sh
 Art. 71655/ THT 7 days /24 hours for mod. TIT/01 and TIG-2
 Art. 71655/ THA 7 days /24 hours for mod. 1/S3 and 1750
 Art. 71633/ TIG Pen for mod. TIT/01 and TIG-2
 Art. 71633/ SAL Pen for mod. 1/S3 and 1750

MINI DIGITAL THERMOHYGROMETER Art. 71661/MINI

With display and Min / Max recording.
 Temperature -10 .. +60 ° C.
 Humidity 10 .. 99% U.R.
 Dimensions 52x39hx15 mm
 Weight 30 g. 1.5V battery.



DIGITAL THERMOHYGROMETER WITH DISPLAY Art. 71661

Digital thermo-hygrometer with double LCD display with min/max recording. Range: -10.. +60 ° C (Resolution 0,1°C) humidity 10..-99% RH (Resolution 1% RH). It is possible to visualize on the display the Min/Max temperatures. Dimensions 100x110x20 mm, weight 150 g. Power requirements: 1 x AAA 1.5V battery.



CIRCULAR THERMOHYGROMETER Art. 71660/702

Ø 70 mm with double arched lateral scale 0-40 ° C and 20-100% RH. Suitable for exposure to vertical wall, air-conditioned containers or showcase.



ROTARY TABLE PSYCROMETER Art. 71630 TAB

Composed of aluminum structure with two precision thermometers and temperature-converting rotary table/RH%
 Temperature range 0/+60 ° C division 0.5°C



DATALOGGERS - RADIOMETRIC METERS

DIGITAL LIGHT METER Art.71531/ECO - HIGH RESOLUTION 0/20.000 LUX

Display: LCD 13 mm digit size, 3 1/2 digits.
 Measurement: 3 ranges: 1 to 100.000 lux
 Stop reading: special button
 Sensor: the exclusive photo diode & color correction filter
 Power supply: DC 9V battery
 Weight: 170 gr.
 Dimensions: 130 x 72 x 30 mm.
 Dimensions probe: 106 x 57 x 26 mm.



LUXMETER/ RADIOMETER Art.71623

COMPLETE OF BRIGHTLESS PROBE

New instrument that in addition to measuring illuminance in lux, replacing the probe can measure the UVA irradiance (315 .. 400 nm) as well as other special areas upon request. IP67 protection. Complete with probe illumination LUX Functions Max, Min, Avg (average).

Display LCD: 2x41/2
 Dimensions/weight: 140x88x38 mm/160 gr.

Probe brightless:

Sensor: silica
 Range: 0.01...199.9x10³ lux
 Resolution: 0,01-0,01x10³
 Power supply: 3 batteries 1.5 V type AA



Art.71623

RADIOMETRIC PROBE 315-400 NM Art.71625 (Per Art. 71623)

Measure range: (W/m²)0.1x10⁻³...0.1
 Spectral range: 315 .. 400nm (peak 360nm)

VELSEC

UNIVERSAL LIGHT MONITOR & DATA LOGGER 775 IR-°C-UV-LUX

Art.71612/775

Ultra Violet: 2-50.000mW/Mq; 0-10.000µW/Lumen
 Visible Light: 0,1-200.000 Lux
 Visible precision and UV: 0,1 / 5%±1
 IR Range: 0-1000 W/mq
 Resolution/Precision IR: 0,1 / 5%±10 W/mq
 Resolution/Precision °C: 0,1°C / ±0,5°C
 Power supply: 2 batteries 1.5 V type AA
 Dimensions/Weight: 150 x 65 x 25 mm / 165 g

Art.71612/775



CALIBRATION KIT UR% Art. 71650 Calibration kit salt 33 - 53 - 75 RH% .

DATALOGGER WITH DISPLAY Art. 71583/KIT

(Art. 71583 Only datalogger.) ABS anti-shock water resistant. Thermistor temperature sensor. Capacitive humidity sensor in polymer films.

Memory: 16000 data
 Display: LCD 12x25.5 mm
 Acquisition rate: from 1 sec to 2 hours
 Measure range: 0-100 RH % / -40+85°C
 Resolution: RH: 0,1% /Temp. 0,1°C
 Precision: ±0,6°C (-20+50°C) /RH ±3%
 Power supply: 3.6 Volt lithium
 Dimension/weight: 18x23x108mm/26 g



Art. 71583KIT

Tool for download data to PC with USB cable 150 cm. Software for WINDOWS ®.

DATALOGGER USB LCD Art. 71585

°C - UR& - dew point - USB male connector integrated

Memory: 32000 data (°C-UR%)
 Acquisition rate: from 10 sec to 24 hour
 Measure range: 0-99 UR % / -30+70°C
 Resolution: RH: 0.1% /Temp. 0.1°C
 Precision: ±0,5°C (-20+40°C) /RH ±3% (20-90%)
 protection range: IP65
 Power supply: 3.6 Volt lithium 1/2 AA
 Dimension/weight: 131x Ø 24 mm
 Software for WINDOWS ® included.



Art. 71585



WIRELESS DATALOGGERS

NEW2STEO LOGGER Art.71147

The new2steo temperature and humidity logger is a wireless device which enables to oversee at distance the temperature and the humidity of an environment. With its compact design and its remarkable autonomy, facilitate monitoring in environments where temperature and humidity are crucial factors. Then, this temperature and humidity datalogger can transfer the data directly on a monitoring computer by radio frequencies or can store the data in its memory. With the software and the USB receiver with built-in radio (wireless), it is easy to install and configure up to 500 "New2steo Loggers" to form a wireless sensor network. After installing the RF Monitor software on your monitoring computer, you have an interface for viewing the evolution of the instantaneous data. This interface also allows you to customize the application and the logger: data acquisition (frequency of measurements), alarms (if there was pre-programmed threshold is exceeded), displaying the location of the logger on a plant/photo of the environment subjected of monitoring, etc.. The key USB / WI-FI is the wireless connection between your PC monitoring and loggers. The transmission data continuously or/and unloading of the recorded data are always made by this key by radio ABS enclosure protection degree IP54

RH% (polymer capacitive) 0/100% to 25% RH 0.025 ° resolution; prec. ± 3.0%. Temperature (thermistor) -40 ° C to +70 ° C, resolution 0.01 ° C, accuracy ± 0.4 ° C. Radio range > 800 meters (standard 1/4 wavelength antenna). Acquisition Rate from 1 second to 4 hours. Memory capacity up to 32 768 measures. Battery Type LS14250 3.6V Dim. (without antenna) / Weight 96 x 40 x 20 mm. /60 g.

Art. 71147/KIT Datalogger + USB wireless key+ software

Art. 71146 USB wireless key (standard 1/4 wavelength antenna - range > 800 m) + software



Art.71147



Art. 71146

NEW2STEO EXTERNAL DATALOGGER Art.71147/EXT

Aluminum enclosure protection degree IP65

Temperature (thermistor): -40 ° C +85 ° C;

Dimensions/Weight; 98 x 64 x 34 mm / 250 g.

Radio range: > 900 m.

Other features such as Art 71147. Requires Art 71146 Wireless USB+software.



Art.71147/EXT

NEW2STEO LOGGER WITH A HOT WIRE ANEMOMETRY PROBE Art.71142 AIR

Aluminum enclosure protection degree IP65

Dimensions/weight: 98 x 64 x 34 mm; 250 g.

Battery Type: Lithium 10 Volt

Anemometer temperature probe with hot wire anemometer at 50 cm cable - IP 20

Measure range / accuracy: 0...5m/s ±(0.2m/s +3% measured value)

0...10 m/s ±(0.3m/s +4% measured value)

0...20 m/s ±(0.4m/s +6% measured value)

Other features such as Art 71147. Requires Art 71146 Wireless USB+software.



Art.71142 ARIA

NEW2STEO LOGGER WITH PROBE TEMP. SURFACE Art.71149/SUP

Aluminum enclosure protection degree IP65

Temperature probe PT 1000 stainless steel plate 6x20 mm cable 5 meters - IP 68

Operating temperature: -25 ° C to + 80 ° C. Accuracy: ± 0.8 ° C

Other features such as Art 71147. Requires Art 71146 Wireless USB+software



Art.71149/SUP

NEW2STEO LOGGER WITH PROBE °C-UR% Art.71149

Aluminum enclosure protection degree IP65

Temperature/humidity cable 5 meters

Relative humidity: 20/80% RH; +/-3% - Temperature: -20/+60°C ; +/-0.4°C

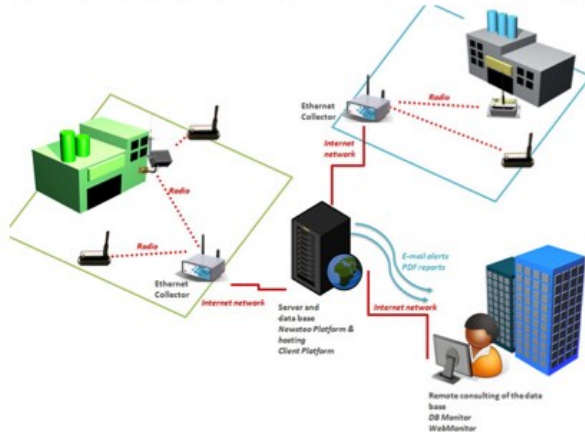
Other features such as Art 71147. Requires Art 71146 Wireless USB + software.



Art.71149

NEW2STEO WIRELESS MONITORING SYSTEM

The Collector allows remote collection, through Ethernet (IP) or GPRS (GSM network), of data coming from several New2steeo loggers, and storage on a remote secured web server. Avoids the trip of an operator on each location to collect loggers. Several sites of loggers can be managed with several Collectors, reporting to a unique data base. The Logger equipped with a sensor takes the measure and transmits it by radio to the Collector. The collector transmits the measurements through Ethernet or GPRS to a central database. A real-time alert can be sent anywhere to the supervisor by emails. The supervisor can access at any time to the measures, via Internet.



ETHERNET COLLECTOR INTERNAL USE

Art. 71131/ETHE
HOSTING WEB DATABASE NOT INCLUDED

Remote collector, thru ETHERNET up stream (IP data), of data coming from several loggers, and storage on a remote secured server.

- Powered thru 5V-48V DC-in connector
- Standard robust IP30 casing
- Diagnostic LEDs
- 1/4 wavelength 868Mhz antenna radio communication with Newsteeo loggers
- Antenna can be changed to larger coverage antenna (SMA connector)
- Internal FAST ETHERNET (modem transmission to the server)
- One 100 mbps port
- 100base-T cable
- Alert relay output connector (rotating light, siren, vocal transmitter, ...)
- Software included
- KEY USB (Art.71146/USB) not included.



GPRS COLLECTOR INTERNAL USE

Art. 71132/GPRS
HOSTING WEB DATABASE AND SIM CARD NOT INCLUDED

Remote collection, thru GPRS up stream (GSM data channel), of data coming from several loggers, and storage on a remote secured server

- Powered thru 6V-20V DC-in connector
- Standard robust IP30 casing
- Diagnostic LEDs on the Casing.
- 1/4 wavelength ISM 868MHz antenna for radio communication with wireless loggers
- Antenna can be changed to larger coverage antenna (SMA connector)
- External 1/4 wavelength GPRS Antenna
- For transmission to the server
- Antenna can be changed to larger coverage antenna (FME connector)
- Alert relay output connector



EXTERNAL USE GPRS COLLECTOR SOLAR POWERED

Art. 71133/GPRS - HOSTING WEB DATABASE ND SIM CARD NOT INCLUDED

Remote collection, thru GPRS up stream (GSM data channel), of data coming from several loggers, and storage on a remote secured server

- Powered thru Solar panels+
- Standard robust IP67 casing
- Full wave 868Mhz Antenna (radio communication with wireless loggers - several kilometers range)
- Antenna can be changed to larger coverage antenna (SMA connector)
- Diagnostic LEDs on the Casing:
 - On/off signaling
 - Local radio link status
 - GPRS link status
- Delivered with its orientable fixation (optimization of azimuth and elevation vs. Sun)
- Software included



HOSTING WEB DATABASE

Art. 71132 / 12M-24M-36M

HOSTING WEB DATABASE FOR 12-24 OR 36 MONTHS.

WebMonitor application is available to users who have subscribed to a hosting offer. It is a website that allows any user to identify and then to access to the measurements of its New2steeo radio transmitters.

Nothing more simple: - Connect to the website - Enter the access codes provided when subscribing to hosting offer - That is, measurements of that user's data loggers are displayed



RADIO MONITORING SYSTEM REPEATERS

It allows the connection between the unit and sensors in addition to the simple forward flow.

Art. 71133/ RPT2 Repeater with main power supply IP50 internal use. Standard IP50 casing. Antenna 1/2 wave 868Mhz

Art. 71133/ RPT2 Repeater with main power supply IP50 external use. Standard IP65 casing. Antenna 1/2 wave



CONSERVATION AND CONDITIONING

ART SORB ART SORB is a form of silica gel which is wonderfully suited to the task of controlling humidity in display cases. His great ability to stabilize the relative humidity makes it irreplaceable for museum use, particularly in display cases, containers for storage and containers for the transport of works of art. ART SORB is a practical control passive microclimate system that allows operators to monitor its effectiveness over time by simply checking the weight.

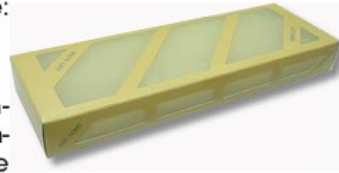
The "ART SORB" comes preconditioned to 55% as prescribed by the regulations for organic materials, but there are other possible calibrations (40-70% RH).

ART-SORB IN SHEETS Art. 57551

Non woven support material in polyethylene/polypropylene with Art-Sorb silica gel. Sheets of 50X50, thickness 1.8 mm ca. preconditioned to 55% RH. Dry weight 175 gr. Ideal volume: 5-20 sheets / mc

ART-SORB CASSETTE

Cardboard cassette with a side of non-woven fabric permeable to water vapor containing Art-Sorb silica gel. The cassette are preconditioned to 55% RH. Possibility of reconditioning.



SHOWCASE OF VIOLIN "IL CANNONE"
ROOM PAGANINIANA - GENOVA

Article	Dry weight	Dim. (PxLxH)	Ideal volume
57553	400 gr	110x330x20 mm	0.5 - 0.8 mc
57554	750 gr	110x330x40 mm	1 - 1.5 mc



ARTGAS-SORB® Art.57570/BOX

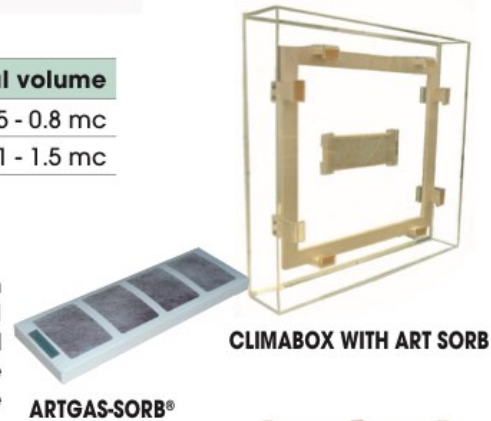
ARTGAS-SORB ABSORBER GAS POLLUTING MUSEUM SHOWCASE

ARTGAS-SORB® purified the air through the action of its components based on permanganate and alumina and activated carbon. ARTGAS-SORB to the removal gaseous pollutants by "passive

adsorption of air (H₂S, SO₂, NO_x, O₃ as well as internal pollutants such as COS and VOC and CH₃COOH).

Polypropylene box with polyester TNT membrane of 500 gr. Dimensions: 33.5x11x2 cm

One unit box for the volume 0.5/1 m³.



CLIMABOX WITH ART SORB

ARTGAS-SORB®

CLIMBOX AND CLIMAFRAME

Display cases and frames sealed and air-conditioned made to measure for the transportation, preservation and exhibition of works of art. The Climabox is assimilable to a theca or museum showcase and is used to protect the artefact, for which it is custom built. The preservation is the environment, in particular by preventing changes in humidity, dust and air pollutants. The microclimate control within the Climabox is assured by the use of "ART SORB."



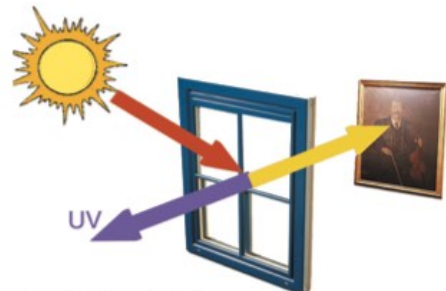
ART BOOK

PAINTING ON BOARD

UV RESISTANT FILM FILTER Art. 57560

Transparent film of 37 µm placed on the window facing indoor and is first wet by water which activates its acrylic glue. The film protects from any possible glass damages in case the glass breaks or cracks

Solar energy rejected:	22%
Darkening coefficient:	0.90
Visible light transmission/UV:	81% / 0,1 %
Dimensions original roll :	152 cm x 30.5 mt.



SILICA GEL - Dryer microclimate Art. 57592

The gel, anhydrous provided, it must be conditioned to the rate of the RH% desired.

SILICA GEL GREEN Art. 57591

Silica gel with green indicator that allows visual monitoring of the state of moisture.

TRANSPORTS SAFETY

BLACK NEW TRACKER - DATALOGGER WI-FI FOR MONITORING TRANSPORTATION

Art. 71145/KIT

Record: shocks on 3 axes; energy from collisions; temperature; RH%; dew point, brightness, height of fall.

With the NEW BLACK TRACKER you can measure and record up to 6 months, the conditions of transport of objects such as paintings, statues, pottery, and all the works of art in general transported to shows or removals. All measurements are recorded with date and time to provide a historical record of anomalous events successes during the transfer of the work. The WI-FI technology allow you to download data up to 40 meters without opening the packaging. The light sensor also guarantees from unauthorized opening of the case.

Memory 32.768 climate measurements besides 6.000 shock events.

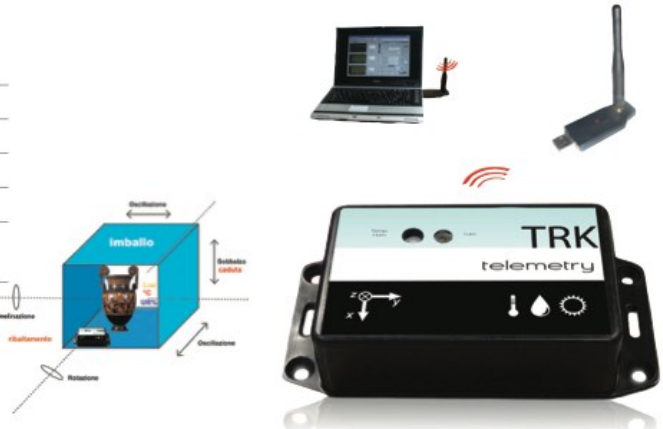
Batteries: 3 of LR06 (AA).

Degree of protection IP 54

Dimensions/weight: 110x56x26 mm; 160g.

USB wireless key and software included.

Parameters	Range	Precision 25°C
Temperature	from -20°C to +60°C	± 0,4°C
Humidity	from 0 to 100% UR	± 3%(20 -80% UR)
Brightness	from 0 to 220 lux	± 30 Lux
Shock (3 axes X;Y;Z)	from -6g to +6g (opz. -16g /+16 g)	± 0,06 static ± 05 dynamic
Height of fall	da 1 cm a 20m	± 5 cm



SHOCKWATCH-INDICATOR OF IMPACT Art. 71699/..



VALUES SHOCKWATCH LABEL

COLOUR	TYPE	VALUE
YELLOW	L-65	25G @ 50 ms
VIOLET	L-55	37G @ 50 ms
RED	L-47	50G @ 50 ms
ORANGE	L-35	75G @ 50 ms
GREEN	L-30	100G @ 50 ms

GUIDE - CHOICE SHOCKWATCH

Weight Kg	0/0,028 m³	0,028/0,14 m³	0,17/0,42 m³	0,45/1,42 m³	>1,42 m³
0-5	green	green	orange	orange	red
05-10	green	orange	orange	red	red
10-20	orange	orange	red	red	violet
20-45	orange	red	red	violet	violet
45-110	red	red	violet	violet	yellow
110-450	red	red	violet	yellow	yellow
>450	—	violet	yellow	yellow	yellow

HEIGHT OF ACTIVATION FOR FALL SHOCKWATCH

WEIGHT Kg	YELLOW (L-65)	VIOLET (L-55)	RED (L-47)	ORANGE (L-35)	GREEN (L-30)
<45 Kg	—	30/45 cm	30/60 cm	60/90 cm	>90 cm
>45 Kg	15/30 cm	20/40 cm	30/45 cm	—	—

TILTWATCH - TURNOVER INDICATOR Art. 71698

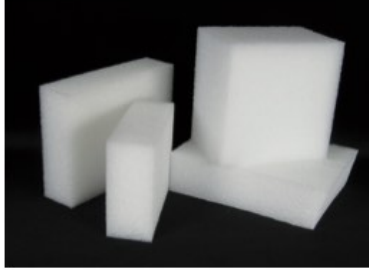
The indicators Tiltwatch are able to clearly indicate if a product has been spilled during transport or manual handling. In the event of a reversal, in fact, Tiltwatch becomes irreversibly red. Tiltwatch is easy to apply: just remove the back cover of the adhesive and the system is automatically activated. Thanks to the positioning of the actuation mechanism on the side in contact with the container, Tiltwatch, once activated, can not be disabled or reset. Simple and precise, Tiltwatch is not fooled by events in the standard as the road bumps or high angle of takeoff of aircraft.



TRANSPORT AND PACKAGING WORKS OF ART

BLUEFILM GLASS CARE Art.49603/50

Used in the transport of works of art, for the protection of glass paintings and mirrors. In the event of glass breakage splinters can damage the painting on canvas or board. The film is applied directly on the surface to be protected and leaves no trace when removed. The BLUEFILM GLASS CARE is a protective tape blue/light blue supplied in PVC thickness 50 µm reels of 50 mm x 66 mt.



ETHAFOAM Art.90211/..

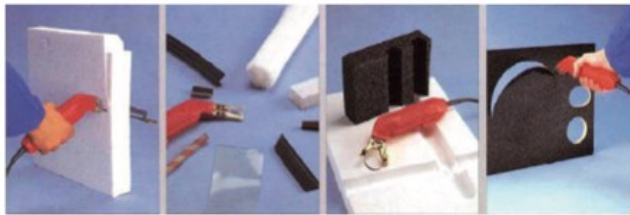
Foam plate, inert polyethylene that are easy to cut and shape conforms to preservation standards and are used for the support of artifacts on display, in storage or during transportation. Ideal for making cavity trays.

Use special heat equipment "TERMOCUTTER». Density: 35 Kg./m³ Thickness: 10/25/50/100 mm plate 600x900 mm; 2mm reel H150cm on request slabs 600x2750 mm.

PLASTAZOTE Black Art.90215/.. White Art.90217/..

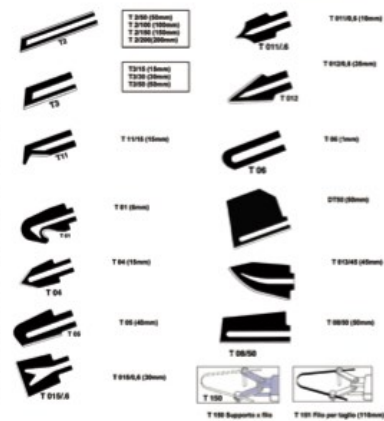
Thickness: 5/10/20/30 mm.

An inert, high density, closed cell cross linked polyethylene foam with a density of 45 kg/m³. Plastazote foam has been tested and approved for use within Museums for applications such as packaging, drawer and shelf linings, book supports, display mediums, supports for historical and priceless antiquities etc. The material is well suited for applications within the field of conservation due to the following properties: chemically inert, non-toxic, lightweight, UV stable due to cross linking, flexible, easily cut, tough and resilient and exhibit outstanding resistance to most chemicals and water. They are highly pure, will not cause corrosion or silver staining and are safe to use for the transit and archival storage of antiquities and works of art. Plastazote foam is C.F.C. and H.C.F.C. free.



TERMOCUTTER Art.19975

Electrical heating blade is designed for cutting Plastazote, Ethafoam, Polystyrene and Polyethylene. Will cut other types of foam and plastic materials (ABS, EPS, PA, PE, PP, PS,PU,PVC,etc) easily and effortlessly. Makes professional display supports, shipping cavity trays and storage protection that fits artifacts and specimens. Slim handle with spring loaded on-off switch allows precise cutting in areas of limited access. Operating temperature is adjustable by a small fingertip control adjusting the blade to heat instantly to the correct working temperature and speed of cut. It can cut through foam up to 200 mm thick. To change the blade simply unscrew two screws. Weight: 300 gr.; Power: 150W; Power supply: 230V or on request 115V. Voltage of the secondary circuit that supplies power to the heating of the blade: 1,3 V.



ENVIRONMENTS MICROCLIMATE CONTROL

**B300****B250****B125**

AIR HUMIDIFIERS

Type	B500	B300	B250	B125
Article	34521	34522	34523	34525
Max water storage	800 mc/hour	600 mc/hour	300-500 mc/hour	
Capacity water tank	50 liters	25 liters	25 liters	11 liters
Dimensions/Weight	75.5x62x36.5cm/24Kg	74x71x41cm/21Kg	60x67x30cm/20Kg	44x28x30 cm/4.5Kg
Power supply/Power	230 Volts/125 Watt	230 Volts/58 Watt	230 Volts / 50 Watt	230 Volts /25 Watt
Evaporation capacity	2.5 lt/h (25°C -20%RH)	1.4 lt/h (23°C- 45%RH)	1.2 lt/h (23°C- 45%RH)	0.95 lt/h (25°C -20%RH)
Evaporation filter surface	3.5 mq	3 mq	3 mq	
Max environment surface	1000 m ³	600 m ³	500 m ³	180 m ³

HUMIDIFIER B500 PRO Art. 34521

Evaporative humidifier with electronic control for museum areas. Allows the maintenance of the relative humidity set thanks to a sensor via radio battery positionable up to 30 meters from the apparatus (accuracy 3% RH). The air introduced into the environment by of a fan 4 speed, is filtered by eliminating the dust particles. The power supply of water (deionized) is ensured by an internal tank of capacity of 50 liters. Special leds allow you to control the amount of water contained. All functions can be controlled and regulated from the control panel on the unit or through a special remote control. Optional possibility of auto operation with water loading and unloading for washing tank.



ULTRASONIC STEAM GENERATOR

Art. 11632/AQUA

Cold steam is produced by an ultrasonic device.

Ultrasonic humidifier with a capacity of 6 liters.

The steam flow can be regulated and the outlet can be canalised.

The ultrasonic humidifier is used for the controlled humidification of organic materials: paper, textiles, parchments and leather.

It can be used either without connexion in the restoration laboratory or ducted for use into humidification chambers or heated guns.

Steam:	380 ml/h
Water Tank:	6 liters
Noise level:	<30 dbA
Weight	1.6 Kg.
Dimensions:	320x220x160 mm
Power supply:	230 V - 50 Hz

Only professional use

**Art.11632/AQUA**

ANTI ALGAE /ANTINCROSTATION ADDITIVE

Art. 34541

Prevents the formation of algae in the water of humidifiers and evaporation deposition of silt in the devices. Pack of 1000 ml. The recommended dosage is 25 ml/10 liters of water.

AIR DEHUMIDIFIERS



Art. 34632-3



Art. 34657



Art. 34651



Art. 34655



Art. 34665

Type	OASIS D125H	OASIS D165H	MUSEUM 145	MUSEUM 215	MUSEUM 280	MUSEUM 510	NADER YARD PRO
Article	34632	34633	34651	34655	34657	34659	34665
Condensing lt/24h	22	27	11,45	16,8	28	44	81
Air flow m ³ /h	425	510	200	250	300	600	800
Power supply 230V/ Power	370W	485W	200W	280W	520W	720W	890/1050W
RH Range%/Temp. range	40-100 RH % / 3-35 °C		35 - 100 RH % / 5 - 32 °C				35 -100 RH % 2 - 32 °C
Dim. (HxLxP) cm	60 x 38 x 36		50,1x32x34	55,5x39,8x38,2		58,2x60x38	104.5X71X60
Net weight Kg	23	24	19.8	21	28.7	36	61
Max environment surface	300 m ³	400 m ³	160 m ³	300 m ³	400 m ³	600 m ³	800/900 m ³

DEHUMIDIFIER MUSEUM HP50

Art. 34682/RADIO

The MUSEUM HP 50 dehumidifier offers a professional solution with a high dehumidification capacity (condensation up to 50 liters of water per day). With its attractive and robust design made of synthetic materials and stainless steel, this dehumidifier fits perfectly into museums, exhibition spaces, etc. The high dehumidifying capacity and the large 20-liter water tank are ideal for spaces up to 600 m³ in size. The reduced dimensions of the dehumidifier, the large wheels and the solid handle guarantee easy transport. Precise humidity control is possible thanks to a combination of MUSEUM HP 50 and B 500 Professional humidifier. The MUSEUM HP 50 dehumidifier is equipped with an electronic controller and a defrosting system to avoid stops due to freezing in the condensation compartment.

High capacity to dehumidify. The model MUSEUM HP 50 art. 34692 / RADIO is equipped with a radio hygrosat, in combination with the humidifier B 500 Professional allows operation in combination with a synchronized drive from the same radio sensor. This allows humidity to be maintained in a room at a certain level of precise humidity as humidification and dehumidification are automatically controlled by a common measuring point without operating overlaps between the two machines.



Power supply	230V / 50Hz (5 Amp) / 950 Watt
Dimensions/ Weight	(L x H x P) 54 x 78 x 48 cm / 42 kg without tank / 45 kg with tank
Deumidification	45 ltr./24h a 27°C/80% UR. — 50 Ltr./24h at 30°C/80% UR
Fun air flow	700/1000m ³ /h (according to setting)
Range	1-35°C / 30-90% UR
Noisy	50 - 55 dBA (according to speed fun)
Tank	20 (2 x 10) ltr.

MICRO-CLIMATE CONTROL SHOWCASES



Microclimate

Museum Climate Controls

ACTIVE CONTROL FOR SHOWCASES AND DEPOSITS



Microclimate control devices provide a reliable and effective control of temperature, humidity, dust and pollutants in the showcases, including temporary warehouses.

AN APPROACH LIKE NO OTHER

Microclimate units provide a constant supply of air to the desired humidity level, gradually replacing the air inside the showcase rather than modifying. Thanks to this, even the most delicate artefacts remain protected from those dangerous peaks of moisture that beset most of the climate control systems, which modify the internal humidity simply adding moist air or dry. The models MCG 4 (8 m³) and MCG 8 (16 m³) are designed to be installed under showcases or cabinets of small and medium size. Other models are available for special uses (large space requirements, temperature control, inert atmospheres, etc.). The control system of the microclimate MCG is designed to provide a humidity control for a single showcase, or storage, in dependence of the sealing of the window and by the environmental variations of temperature. The artifacts sensitive to humidity are constantly surrounded by filtered air that enters and exits through special nozzles to be prepared within the exhibition space. The control system of the microclimate MCG is equipped with a flow and a return air to be connected to these openings, and through the air circulation will maintain constant levels of internal relative humidity even when the environmental temperature changes in the surrounding gallery. The control system of the microclimate MCG is equipped with a sensor module for the disposition within the container exhibition. The temperature and moisture sensors located in the exhibition space inside, communicates with a microprocessor in the unit through a ribbon cable of two meters length. The LEDs on the sensor module show the condition of the unit and can be placed in a visible location inside the exhibition space.

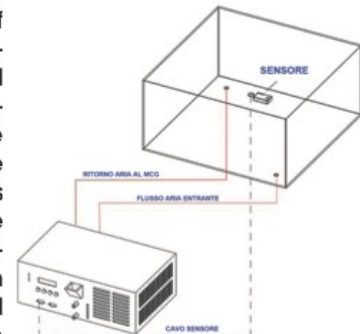
HUMIDIFIER SYSTEM MCG 4 Art.34580/MCG4

Treatment capacity of up to 8 m³

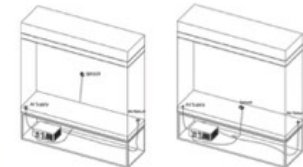
- Dimensions: 410 x 330 x 165 h mm.
- Total weight: 9 kg.
- Encumbrance: min. 600 x 500 x 400 h mm.
- Power supply: 220V, 50 Hz single phase
- Water tank: 1000 ml.
- RH range: at 22°C from 35 to 75%
- Sensor sensitivity: at 22°C ± 2%
- Operating tolerance: at 22°C ± 3%



Etruscan Archaeological
Museum
Chianciano Terme



CONNECTION DIAGRAM



SMCUP MUSEUM 1200 CABINET Art.91851

Safety Microclimate CUPboard for MUSEUM storage

Air-conditioned cabinet designed specifically for museum applications. Suitable for the resolution of all the conservation problems of organic materials sensitive to moisture changes (books, manuscripts, photographs, films, musical instruments, metal archaeological objects, etc.). The cabinet is characterized by a double door, with closure of 3 points and with the perimeter seal air tight, with large windows in transparent polycarbonate. The air conditioning system based on passive ARTSORB is located in the lower part. It is designed for connection to the system of microclimate MCG4 (supplied separately) positioned at the top of the cabinet. Structure: steel sheet.

Painting: epoxy powder baked at 200°C. Color: light gray (other colors on request). Shelves: 4 adjustable. External dimensions: 120x60x200 cm (without air conditioning). Weight: 130 Kg.



ARCHIVING AND DEPOSIT

CHEST OF DRAWERS - DRAWING HOLDERS

Drawers with drawers archives proposed in different types for sheets A1, A0, A0+, 100x140 120x160, can house drawers of five different heights cm. 4-5-7-10-12.5 (only for some formats) composing for example with blocks of 2 modules different combinations between 8 and 20 drawers; being perfectly modular structures overlapping them, with elementary joint-like syntax without screws, you can obtain endless compositions with identical or different drawers inserted in the same final structure, such as to satisfy any size requirement, all resting on the base on a robust plinth and closed in the part upper with support surface in steel or on base with wheels (A1, AO). For the A1, A0 and A0+ formats it is also possible to use a single module mounted on a support base of the same height as the drawer modules to obtain, in the case of side by side drawers, the same level of upper support. All drawers slide on guides with anti-noise bearings with partial extraction (4/5 of the depth) equipped with shock-proof plastic handles and label holder, anti-tipping device in accordance with current European regulations and closed by a single-piece lock for each module; made of sheet steel first choice FeP01 in thicknesses 8-20 / 10 according to particular with all the outer corners radiused (R.8) cover included and equipped with dividers inside the drawer movable.

UNI tests: 8596 / 84-8604 / 84-8605 / 84-8606 / 84-9087 / 87-9604 / 90

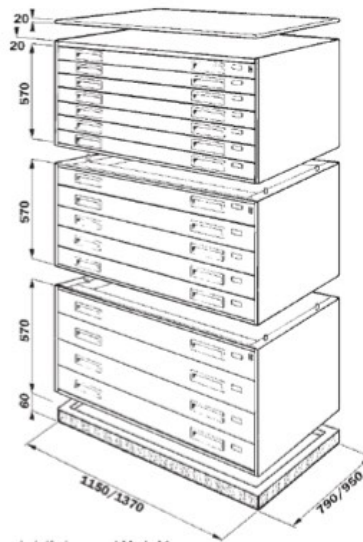
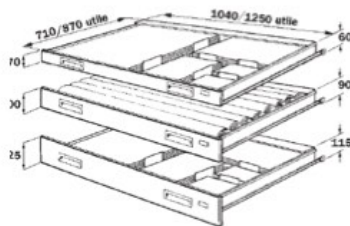
	grigio chiaro RAL 7035 liscio
	antracite RAL 7016 raggr
	alluminio RAL 9006 raggr
	sabbia RAL 1013 raggr

Complete list of the different types of drawers

Format ISO 216 / mm	N°drawers	Internal dim. useful drawer mm	External dim. single form mm	Height 2 modules fixed base mm	Height 2 modules wheel base mm
A1	4	1040X710X115	1150X790X570	1220	1310
A1	5	1040X710X90	1150X790X50	1220	1310
A1	7	1040X710X60	1150X790X570	1220	1310
A1	10	1040X710X40	1150X790X570	1220	1310
A0	4	1250x870x115	1370x950x570	1220	1310
A0	5	1250x807x90	1370x950x570	1220	1310
A0	7	1250x870x60	1370x950x570	1220	1310
A0+	5	1350X970X90	1470X1040X570	1220	-
A0+	7	1350X970X60	1470X1040X570	1220	-
1000x1400	7	1500X1120X60	1620X1200X570	1220	-
1000x1600	7	1680X1220X60	1800X1300X570	1220	-



Example of drawers with wheel



Ground support for single module use (A1,AO, AO+).

The drawer can be composed of up to 3 even with overlapping modules of different height drawers as in the drawing

Special formats on request

MUSEUMS SHOWCASES

MUSEUM - LINE

ACCESSORY PROGRAM FOR MUSEUMS AND TEMPORARY EXHIBITIONS

Showcases made in acrylic/glass base metal or MDF



ART WORKS PROTECTION / MUSEUM LIGHTING SYSTEMS

ARTWORKS PROTECTION



LIGHTING SYSTEMS FOR SHOWCASES, MUSEUMS, LIBRARIES, CHURCHES



Library "Angelo Mai" Bergamo



Church of Cermenate (CO)



Church of Torre Boldone (BG)



Civic Collections of Applied and Ancient Art - Castello Sforzesco - Milan

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DRAFT EMERGENCY INTERVENTION ON NEWSPAPER LIBRARY AND BIBLIOGRAPHIC HERITAGE BURNED AND FLOODED THE PROPERTY OF THE LITERARY SOCIETY OF VERONA



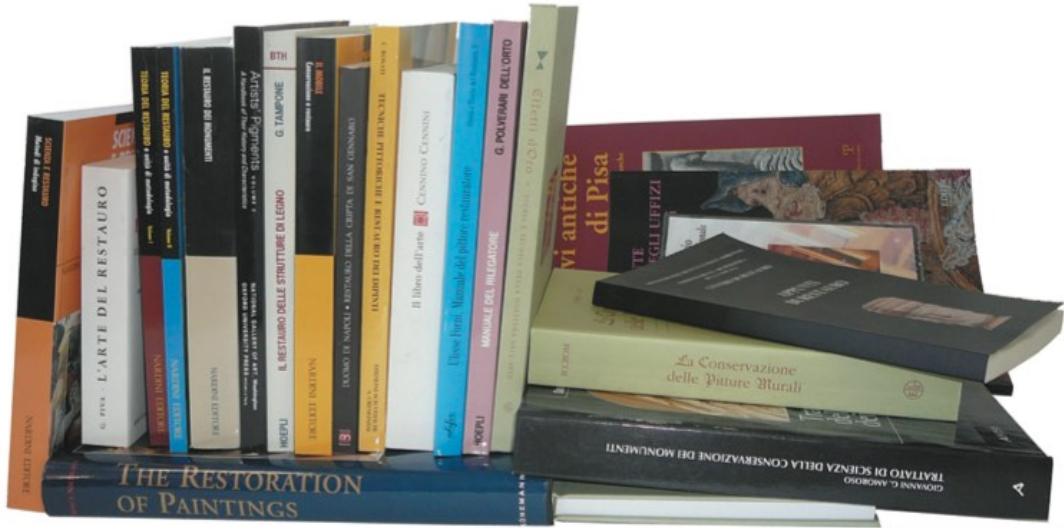
LYOPHILIZERS, DRYERS, VACUUM SYSTEMS AND DEHUMIDIFIERS FOR PAPER AND PARCHMENT

Kit di prima emergenza in caso di calamità naturali per biblioteche, archivi e musei.



EMERGENCY KIT FOR LIBRARIES, ARCHIVES AND MUSEUMS

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BRESCIANISRL.it
materiali e attrezzature per il restauro

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Consulting our website www.brescianisrl.it you will find the updated list of all publications available for stone restoration, paintings, paper, wood, ivories, textiles, glass, monographs, theory and analysis.

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The collage displays four different pages from the Bresciani website:

- Top Left:** A page titled "Reference's details" for "CNICP - Beijing - China". It features a sidebar with images of a mobile laboratory, a laboratories map, and an analysis laboratory. The main content describes the planning and realization of analysis, metals, and stones laboratories for the China National Institute of Cultural Property.
- Top Right:** A page titled "The Company". It includes a sidebar with a navigation menu (The Company, Plans and Studies, Supplies, Paper Laboratories, Laboratories, Fairs and Conferences, In Art Project) and a main text area describing the company's history since 1988 and its focus on research and supply of materials for restoration.
- Bottom Left:** A page titled "INJECTIONS MORTARS SYSTEM". It features a sidebar with a navigation menu (NEWS ARCHIVE, FORUM, NEWSLETTER, CATALOG, LINKS, DISTRIBUTION, UNI EN ISO 9001:2008, ITALIAN VERSION) and a main text area describing the MAGIC PLUS INJECTIONS system for laying mortars.
- Bottom Right:** A page titled "Products". It features a sidebar with a navigation menu (NE CATALOG, INJECTIONS MORTARS SYSTEM, CLIMATE, IR RESTORATION, IR, D REFLECTOGRAPHY, DESINFESTATION, ARCHIVAL SYSTEMS, RES TRANSPORT, WARE HEATING BOARD, PERS AND BOARDS, IRRADIATION, FOR PAINTINGS - WELS, RETOUCHING COLOURS, SOLVENT EXHAUSTERS, VACUUM CLEANERS, X-RAY ARTS-WOODWORM, MICROSCOPES) and a main text area describing "ART SORB" conservation products, including sheets and cassettes used for humidity control in display cases.



La **BRESCIANI s.r.l.** mette a vostra disposizione, materiali, attrezzature e tecnologie, sia tradizionali che d'avanguardia per consentirvi di risolvere qualsiasi problema nel campo del restauro, sia civile che monumentale, il tutto coordinato dalla nostra specifica esperienza.



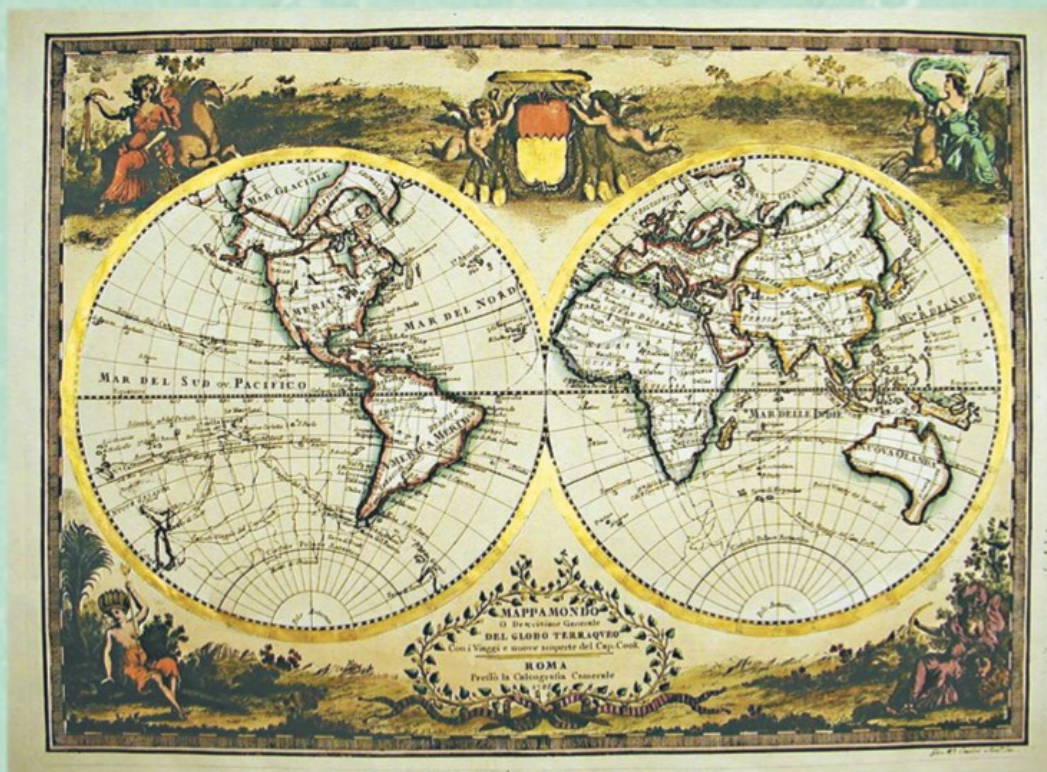
BRESCIANI s.r.l. met à votre disposition matériaux, équipements et technologies, sois traditionnels sois d'avant-garde pour vous permettre de résoudre tous problèmes dans le domaine de la restauration civile et artistique, le tout coordonné par notre expérience spécifique.



BRESCIANI s.r.l. provides a full range of materials and equipment based on traditional and advanced technologies, building on a decennial experience, to address any restoration problem, either civil or monumental.



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Quality of Restoration Trade-Mark

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