



REDDISH STONE

ITALIA

MANFREDI

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DEVICES CATALOGUE 2020

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KUAIMILL 5-Wet-Dry Milling Machine

**DELIVERING PRECISION
AT HIGH SPEED**

IN-BUILT CAM SOFTWARE

- ★ 100% in-house development
- ★ Fully open, stl-based system
- ★ Accepts data from any CAD software type
- ★ Efficient disc space utilization
- ★ Material-saving design process
- ★ Ergonomic, simple use

- ★ "Drops" and "FullBridgeConnector" functions for bridges with large span
- ★ Holders can be thinned or milled off
- ★ Model-unifying function for works coming from different sources
- ★ Model to model fixing option using the "Connector" function
- ★ Fast generation process
- ★ Simulation option



TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Milling types | Wet and dry, simultaneous 5 axes |
| Dry machinable materials | Zirconia, PMMA, Wax, Composite, Gypsum |
| Wet machinable materials | Glass-ceramics and Lithium disilicate, Ti Pre-milled abutments |
| Blanks | Open type (Ø98,5 with shoulder); Zirkozahn; Amann Girrbach and multi-block |
| User interface | Built-in CNC control Touch screen 8" |
| Real accuracy | <0.01 mm |
| Positioning of 4th and 5th axes | High accuracy harmonic gears |
| Movement of X-Y-Z axis | High precision ball-screws and linear guides via encoder based servo control and microstep motors (encoder control 0.001mm/revolution) |
| Tilt angle of "A" axis | +/- 30° |
| Angle of rotation for "B" axis | 360 ° |
| Tool magazine | Up to 30 tools in 5 interchangeable magazine (6 tools / magazine) |
| Milling spindle | High Frequency spindle (500W; 60000 RPM; hybrid ceramic ball bearings; automatic tool change) |
| Collet chuck | Ø3 or Ø4 mm |
| Size (W x H x D) | 530 x 670 x 630 |
| Weight | 103 kg |
| Maximum power consumption | 600 W (+ suction unit ~1500 W) |

KUAIMILL 4-Dry Milling Machine

IN-BUILT CAM SOFTWARE

- ★ 100% in-house development
- ★ Fully open, stl-based system
- ★ Accepts data from any CAD software type
- ★ Efficient disc space utilization
- ★ Material-saving design process
- ★ Ergonomic, simple use
- ★ "Drops" and "FullBridgeConnector" functions for bridges with large span
- ★ Holders can be thinned or milled off
- ★ Model-unifying function for works coming from different sources
- ★ Model to model fixing option using the "Connector" function
- ★ Fast generation process
- ★ Simulation option
- ★ Aluminum casting base
- ★ 4 axes
- ★ High accuracy /<0.015 mm/
- ★ Ball-screw / stepping motor drive
- ★ Maintenance-free ball-screws
- ★ Materials: Zirconium, PMMA,Wax, Gypsum
- ★ Closed working area with dustextraction system
- ★ Easy cleaning



TECHNICAL SPECIFICATIONS

| | |
|----------------------------------|----------------------------------|
| Main voltage and frequency | 230 V, 50/60 Hz |
| Power consumption | 450 W without extraction unit |
| Power socket for extraction unit | 230 V; 50/60 Hz; Pmax. 2000 W |
| Real accuracy | <0.015 mm |
| Spindle speed | max. 60,000/min |
| Spindle torque | 4 Ncm |
| Tool shank diameter | Ø 3 mm |
| Magazine | up to 8 tools |
| Compressed air connection | Ø 8 mm |
| Compressed air requirements | clean, dry, 6 bar, max. 50 l/min |
| Weight | approx. 70 kg |
| Size (W x H x D) | 560 x 585 x 600 mm |

**DELIVERING PRECISION
AT HIGH SPEED**



PRISMA-Laser

The NEW PRISMA is a powerful and extremely reliable device.

In this new design, the main board has been optimized for maximum efficiency on the hardest and most refined jobs, from alloys to precious metals and silver.

Available in 3 versions, **100, 130 and 150 Joules**, the PRISMA can still execute high frequency shooting while set at maximum power.

The 10x binocular microscope is protected from UV and laser radiations. The accurate and sophisticated software controls the laser beam generation with the **PULSE SHAPING function** that enables the choice of most suitable waveform for any specific job.



DATA SHEET

| | PRISMA 100 | PRISMA 130 | PRISMA 150 |
|----------------------|-----------------|-----------------|-----------------|
| Laser Source | Nd Yag | Nd Yag | Nd Yag |
| Wavelength (nm) | 1064 | 1064 | 1064 |
| Energy (J) | 100 | 130 | 150 |
| Avarange Power (W) | 70 | 75 | - |
| Peak Power (kW) | 6 | 7 | - |
| Shot duration (ms) | 0,5 ÷ 20 | 0,5 ÷ 20 | 0,5 ÷ 20 |
| Spot diameter (mm) | 0,2 ÷ 2 | 0,2 ÷ 2 | 0,2 ÷ 2 |
| Pulse Frequency (Hz) | 1-20 | 1-20 | 1-20 |
| Lighting | Led | Led | Led |
| Dimensions(mm) | 531x700x510 | 531x700x510 | 531x700x510 |
| Cooling system | Single Radiator | Double Radiator | Double Radiator |
| Touch screen 7" | ✓ | ✓ | ✓ |
| Microscope 10X | ✓ | ✓ | ✓ |
| Ethernet Connection | ✓ | ✓ | ✓ |
| Wi-fi | Optional | Optional | Optional |
| Remote Diagnostic | Optional | Optional | Optional |
| Laser Pointer | Optional | Optional | Optional |
| Mouse Wi-fi | Optional | Optional | Optional |
| USB Port | ✓ | ✓ | ✓ |
| Joystick | ✓ | ✓ | ✓ |
| Power (V) | 230V 50/60Hz | 230V 50/60Hz | 230V 50/60Hz |

- ★ Touch screen 7"
- ★ Binocular Microscope 10x
- ★ UV e Laser radiation shield
- ★ PULSE SHAPING
- ★ Argon Gas Ready
- ★ Remote Diagnosis

DATA SHEET

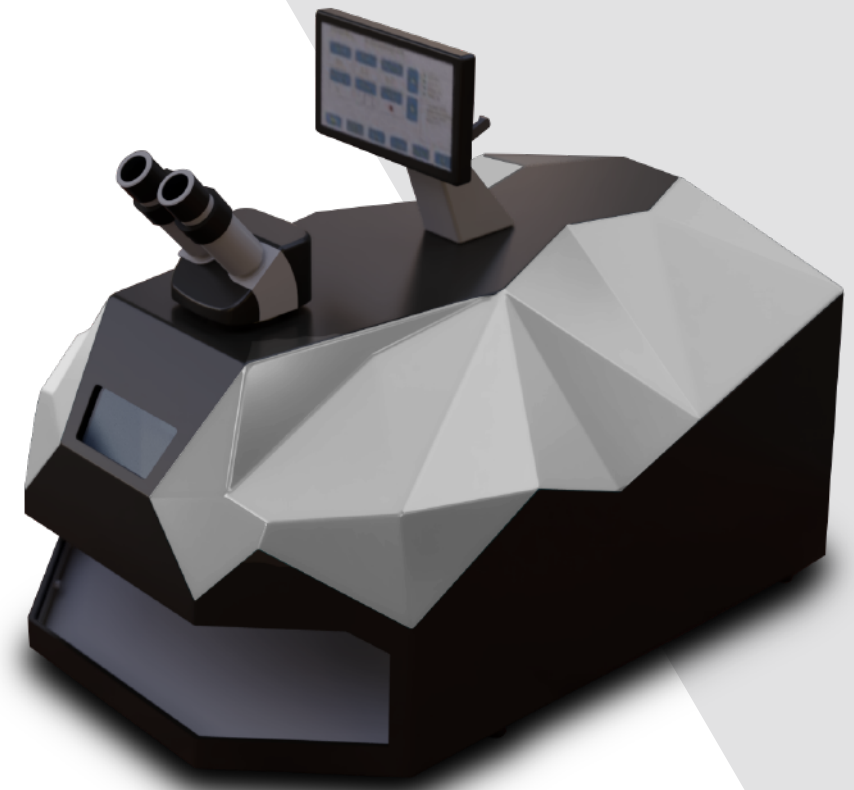
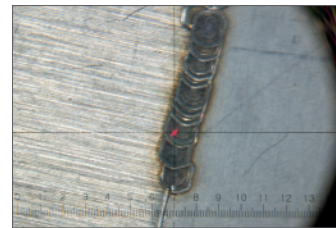
| | GALILEO 4.0 70 | GALILEO 4.0 100 |
|---|----------------|-----------------|
| Laser Source | Nd Yag | Nd Yag |
| Wavelength (nm) | 1064 | 1064 |
| Energy (J) | 70 | 100 |
| Avarange Power (W) | 70 | 75 |
| Peak Power (kW) | 7 | 7 |
| Shot duration (ms) | 0,5 ÷ 20 | 0,5 ÷ 20 |
| Spot diameter (mm) | 0,2 ÷ 2 | 0,2 ÷ 2 |
| Pulse Frequency (Hz) | 1-20 | 1-20 |
| Lighting | Led | Led |
| Dimensions(mm) | 500x710x515 | 500x710x515 |
| Cooling system | Radiator | Double Radiator |
| Touch screen 7" | ✓ | ✓ |
| Microscope 10X | ✓ | ✓ |
| Ethernet Connection ^{Optional} | ✓ | ✓ |
| Wi-fi | Optional | Optional |
| Remote Diagnostic | Optional | Optional |
| Laser Pointer | Optional | Optional |
| Mouse Wi-fi | Optional | Optional |
| USB Port | ✓ | ✓ |
| Joystick | ✓ | ✓ |
| Power (V) | 230V 50/60Hz | 230V 50/60Hz |

- ★ Touch screen 7"
- ★ Binocular Microscope 10x
- ★ UV e Laser radiation shield
- ★ PULSE SHAPING
- ★ Argon Gas Ready
- ★ Remote Diagnosis

GALILEO 4.0-Laser

THE NEW GALILEO 4.0, latest addition to our range of laser welders, can weld any metal orthodontic structure – including Titanium – with the utmost precision. This laser is equipped with an enhanced cooling circuit, and it's a plug-and-play device, immediately installed and ready to use in any location within the lab.

Entirely re-designed and upgraded in several functionalities, the GALILEO 4.0 is available in the **70 and 100 joules version**. The working chamber is wide, and based on the dental technician's needs; the screen is now a also a handy 7" that can also visualize the working chamber and remotely connect for diagnosis. An adjustable nozzle supplies the Argon gas, essential for Titanium welding and improving the result on any alloy.



KEPLER-Laser

KEPLER is currently our senior member in the laser welding line.

Powerful and sturdy in its steel casing, provides extreme durability and safety and reliability. Available in 3 versions, **75-100-130 Joules**, the KEPLER is equipped with the same wide flexibility in technical parameter shared with all other models

The KEPLER **can be customized** in colours and finishing, and has a unique optional feature: a 15" super wide screen, ideal for maximum clarity of vision within the working chamber.



DATA SHEET

| | KEPLER 75 | KEPLER 100 | KEPLER 130 |
|--|--------------|-----------------|-----------------|
| Laser Source | Nd Yag | Nd Yag | Nd Yag |
| Wavelength (nm) | 1064 | 1064 | 1064 |
| Energy (J) | 75 | 130 | 130 |
| Average Power (W) | 70 | 75 | 80 |
| Peak Power (kW) | 6 | 7 | 8 |
| Shot duration (ms) | 0,5 ÷ 20 | 0,5 ÷ 20 | 0,5 ÷ 20 |
| Spot diameter (mm) | 0,2 ÷ 2 | 0,2 ÷ 2 | 0,2 ÷ 2 |
| Pulse Frequency (Hz) | 1-20 | 1-20 | 1-20 |
| Lighting | Led | Led | Led |
| Dimensions(mm) | 531x700x510 | 531x700x510 | 531x700x510 |
| Cooling system | Radiator | Double Radiator | Double Radiator |
| Touch screen 7" | ✓ | ✓ | ✓ |
| Microscope 10X | ✓ | ✓ | ✓ |
| Ethernet Connection | ✓ | ✓ | ✓ |
| Wi-fi | Optional | Optional | Optional |
| Remote Diagnostic | Optional | Optional | Optional |
| Laser Pointer | Optional | Optional | Optional |
| Mouse Wi-fi | Optional | Optional | Optional |
| USB Port | ✓ | ✓ | ✓ |
| Joystick | ✓ | ✓ | ✓ |
| Touch screen 15" camera axis whit zoom | Optional | Optional | Optional |
| Power (V) | 230V 50/60Hz | 230V 50/60Hz | 230V 50/60Hz |

- ★ Touch screen 7"
- ★ Binocular Microscope 10x
- ★ UV e Laser radiation shield
- ★ PULSE SHAPING
- ★ Argon Gas Ready
- ★ Remote Diagnosis

ODONTOWELD-We1der

Odontoweld is a multifunctional equipment – practically two machines in one – used as spot-welder or as brazing device, to fix, spot-weld and braze quickly and accurately on non-precious metal prostheses. Equipped with a **12-position power regulator** and thanks to a continuous adjustment of the pulse time it is suitable for any prosthetic problem. The self-adjusting hand-rest grants a steady positioning of the prosthesis and a comfortable posture of the operator. It allows the spot-welding on-board or directly on the model by means of fixed electrodes or electrodes set on the hand cables. The operator keeps the hands always free thanks to the footswitch control. Accessorised also with orthodontic electrodes, pincer to spot-weld directly on the model, and wire hardening device, already present in the ORTHO version.



DATA SHEET

| | ODONTOWELD/ O. ORTHO |
|---------------------|-------------------------|
| Power Supply (V/Hz) | 230 - 50/60 |
| Power (Kw) | 1 |
| Width (cm) | 26 |
| Depth (cm) | 40 |
| Height (cm) | 21 |
| Net weight (Kg) | 19,5 |

- ★ Versatility, 2IN1 machines
- ★ Easy and intuitive parameter adjustment
- ★ Compact size
- ★ High reliability
- ★ Wide range of accessories

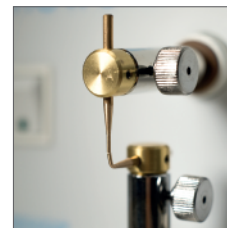


ORTHOWELD-We1der

Orthoweld is a spot-welder expressly designed for non precious alloys used in orthodontic applications. Orthoweld is equipped with a **12-position power regulator** and thanks to a continuous adjustment of the pulse time it is suitable for any orthodontic problem. The self-adjusting hand-rest grants a steady positioning of the parts to be spot-welded and a comfortable posture of the operator. The use of the orthodontic pincer (optional upon request) allows the spot-welding directly on the model. The operator keeps the hands always free thanks to the footswitch control. Additional electrodes with heads available for a full operational freedom.

DATA SHEET

| | ORTHOWELD |
|---------------------|----------------|
| Power Supply (V/Hz) | 110/230 -50/60 |
| Power (Kw) | 1 |
| Width (cm) | 26 |
| Depth (cm) | 40 |
| Height (cm) | 21 |
| Net weight (Kg) | 19,5 |



- ★ Easy and intuitive parameter adjustment
- ★ Compact size
- ★ High reliability
- ★ Wide range of accessories

VULCANO-Casting machine

VULCANO is the next-level induction casting machine that you can move to any space within the lab. The spin and motor rotation speed adjustment is performed by a microprocessor thus providing a correct molten metal injection. The centrifugal arm, perfectly balanced, is extremely silent and without vibrations. Thanks to the **adjustable cylinder holder** it is possible to use any type of metal or free expansion casting ring. The **low electrical input (2,8 KW only)** and the high performance allow the operator to work with maximum safety and energy saving.

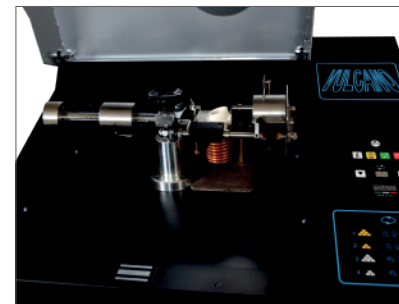


DATA SHEET

| | VULCANO |
|---|------------|
| Energy (V/Hz) | 230 -50/60 |
| Maximum power (W) | 2860 |
| Width (cm) | 70 |
| Depth (cm) | 56 |
| Height (cm) | 47 |
| Net weight (Kg) | 65 |
| Sound pressure level dB(A) | <70 |
| Melting time 30gr CrCo at the maximum power (sec) | 60 |



- ★ In-built cooling
- ★ Automatic actuator
- ★ Easy selection
- ★ Completely standalone
- ★ Plug-and-play
- ★ Tabletop machine
- ★ More than 50 consecutive castings



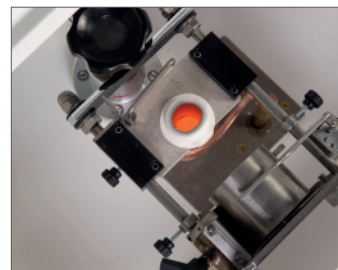
DATA SHEET

| | MILLENNIUM S | MILLENNIUM R | MILLENNIUM HD |
|---|-------------------------------|-------------------------------|-------------------------------|
| Power Supply (V/Hz) | 230 -50/60 | 230 -50/60 | 230 -50/60 |
| Maximum power (W) | 2860 | 2860 | 2860 |
| Width (cm) | 70 | 70 | 70 |
| Depth (cm) | 56 | 56 | 56 |
| Height (cm) | 47 | 47 | 47 |
| Net weight (Kg) | 78 | 78 | 78 |
| Sound pressure level dB(A) | <70 | <70 | <70 |
| Melting time 30gr CrCo at the maximum power (sec) | 60 | 60 | 60 |
| Air Pressure | 6x10 ⁻⁵ Pa (6 Bar) | 6x10 ⁻⁵ Pa (6 Bar) | 6x10 ⁻⁵ Pa (6 Bar) |
| eye-controlled casting | ✓ | - | - |
| temperature optic control | - | ✓ | - |
| heavy duty working load | - | - | ✓ |

MILLENNIUM-Casting machine

MILLENNIUM is the synthesis of 60 years experience in the induction microcasting sector. Expressly designed for precious and non-precious alloys casting in atmosphere, MILLENNIUM enables very reduced casting times (30 gr Cr-Co in 60 secs. only !!) and heavy duty working loads thanks to the **solid-state generator type EBST** (Electronic Board Selected Tolerance – available only in the “HD” versions) granting up to 40 continuous castings. The alloy temperature is constantly controlled by an optical system which performs a rapid and exact reading and allows the setting of an automatic casting cycle. **Available also in the “S” version, without temperature control**, for the operators who prefer to cast “by eye”. The spin and motor rotation speed adjustment is performed by a microprocessor thus providing a correct molten metal injection. The centrifugal arm, perfectly balanced, is extremely silent and without vibrations. Thanks to the **adjustable cylinder** holder it is possible to use any type of metal or free expansion casting ring. The low electrical input (2,8 KW only) and the high performance allow the operator to work with maximum safety and energy saving.

- ★ Self-diagnosis of circuits and safety devices
- ★ Casting power controlled by a microprocessor
- ★ Pneumatic movement of the casting coil
- ★ Built-in cooling system
- ★ No vibrations & Silent operation
- ★ Optical temperature control



CRUCIBLES



C15N
Ceramic crucible
for standard mix



C15R
Ceramic crucible with
silicon nitride coating



U12
Ceramic crucible for
MOTORCAST,
TABYCAST
and CENTRELCAST



C35N
Ceramic crucible for
standard mix



C35R
Ceramic crucible with
silicon nitride coating



CGV5/CGV20
Crucibles in vitreous
graphite + C5 container
with cover, for precious
and palladium alloys



CG5XQ
Crucible with isostatic
graphite for precious
alloys



CG20XQ
Crucible with isostatic
graphite lining, for
precious alloys



**Ceramic
stirring rods**



C: Ceramic
N: Regular mixture
R: Silicon nitride coating
G: Graphite

CG: Vitreous graphite with ceramic container
XQ: Isostatic graphite
GV: Vitreous or sintered graphite
CGV: Vitreous graphite with ceramic container

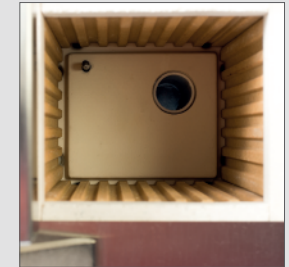
15: Capacity in cc (about 40 gr non precious)
35: Capacity in cc (uo to 100 gr non precious)
5: Capacity in cc (up to 80 gr precious)
20: Capacity in cc (uo to 200 gr precious)

DATA SHEET

| | WARMY 7N* | WARMY 7V** | WARMY 9N* | WARMY 9V** |
|-------------------------------|-----------|------------|-----------|------------|
| Overall dimensions WxDxH (cm) | 28x44x48 | 28x49x48 | 34x59x55 | 36x64x55 |
| Heating chamber WxDxH (cm) | 12x19x10 | 12x19x10 | 16x30x15 | 16x30x15 |
| Net/ gross weight (Kg) | 27/31 | 30/34 | 42/47 | 44/49 |
| Maximum electrical input(W) | 1.760 | 1.760 | 2.990 | 2.990 |
| Max temperature (°C) | 1.100 | 1.100 | 1.100 | 1.100 |
| Capacity in rings | 5 medium | 5 medium | 10 large | 10 large |

* N: Natural ventilation **V: Programmable ventilation

- ★ Heating muffle with independent heating plates
- ★ Stainless steel external case
- ★ Pantograph door opening
- ★ Versatile and intuitive programming
- ★ Multilingual software



WARMY - Furnace

Thanks to the experience of more than 70 years' activity, the MANFREDI preheating furnaces for casting rings are equipped with the **most updated and reliable control systems**, while remaining extremely easy to use. The heating chamber (available in two different sizes) is made up of 4 separate heating plates for a higher thermal endurance. The heating muffle profile increases the radiant surface for a higher thermal efficiency; ensures a uniform distribution of the heat and facilitates the removal of liquid waxes, thus avoiding their burning inside the casting ring. **The external case is entirely in stainless steel**, therefore corrosion-free and almost indestructible. The door, equipped internally with a high-insulation firebrick lining avoids heat losses outwards. Furthermore, the effective pantograph opening system protects the operator from any accidental contact with red-hot surfaces and, thanks to the self-lubricating materials with which it is built, it guarantees the easy and lasting-in-time opening. The furnace can store up to 10 programs, each of them including 3 different temperature steps. Each step allows the ventilation control.


EXTERNAL ACCESSORIES TO BE CONNECTED: External exhaust fan

LB - Furnace

The **B model** is available with two different chamber sizes. The microprocessor instrumentation offers a great flexibility in programming the heating cycle, setting the following parameters: delayed start setting, heat rate control, final stabilization temperature, program progress shown on the lcd display and on the leds.




- ★ Heating muffle with independent plates
- ★ Stainless steel external case
- ★ Pantograph door opening

|  DATA SHEET | | |
|--|-----------------|------------|
| | LB | L9B |
| Overall dimensions WxDxH (cm) | 28x54x45 | 34x70x52 |
| Heating chamber WxDxH (cm) | 12x19x10 | 16x30x15 |
| Net/gross weight (Kg) | 25/28,5 | 44/49 |
| Max electrical input (W) | 1.760 | 2990 |
| Max temperature (°C) | 1.100 | 1.100 |
| Capacity in rings | 5 medi | 10 grandi |
| Energy (V/Hz) | 110/230 - 50/60 | 230 -50/60 |

DEWAX - Dewaxer

Steam heating tank, DEWAX 5 is used to remove wax from cylinders and flasks, to reduce fumes emission during the pre-heating phase, or as soft water bath for plastic materials. DEWAX 5 can work at a temperature from 30°C up to 90°C. The tank, entirely in stainless steel, has a capacity of 4 lt (corresponding to 6 large half flasks, or to 6 casting rings model 6X).



|  DATA SHEET | |
|--|---------|
| | DEWAX 5 |
| Energy (V/Hz) | 230 -50 |
| Power (Kw) | 0.83 |
| Width(cm) | 20.5 |
| Depth (cm) | 41 |
| Height(cm) | 22 |
| Max temperature (°C) | 90 |

- ★ Compact size
- ★ Stainless steel tank

MIXYGEL K-Mixer

The model duplication is a delicate step of the framework production process where a precise, **sturdy and silent machine** as MIXYGEL K is a basic requirement. It has been designed in compliance with the working loads experienced in the dental labs. With a modern and ergonomic design, it is entirely built in metal to ensure solidity and duration. Mixygel K is equipped with a **powerful and silent motor**, and a thermal cycle operating digital control to obtain a complete mixing and a uniform distribution of the heat in the gelatine.



- ★ Double safety cover with interlock switch to stop the motor running when opening the lid
- ★ Silent and powerful motor
- ★ Automatic gelatine melting and maintenance cycle
- ★ Possibility of a quick cooling cycle
- ★ Continuous temperature display

| DATA SHEET | | |
|---------------------------|----------------|----------------|
| | MIXYGEL K 110V | MIXYGEL K 230V |
| Max. electrical input (W) | 660 | 660 |
| Capacity (Kg) | 6 gelatine | 6 gelatine |
| Width (cm) | 39 | 39 |
| Depth (cm) | 39 | 39 |
| Height (cm) | 53 | 53 |
| Net/ Gross weight (kg) | 19,5 /30 | 19,5 /30 |
| Energy(V/Hz) | 110 - 50/60 | 230 -50/60 |

MIXYVAC S-Mixer

MIXYVAC S is a mixer for plaster and investments. Extremely ergonomic, it can be wall-mounted or placed on a work bench. Inside the frame, entirely in metal, a powerful and silent vacuum pump can be activated in "deferred mode" to avoid the suction of dusts and the consequent clogging of the filter. The high torque motor grants a homogeneous mixing of any type of dental investment or plaster. The digital instrumentation enables a fast and intuitive programming of the working cycle. Mixyvac S is equipped with an analogic vacuum gauge and with a 170cc mixing bowl. Accessorised with a **larger bowl (560cc)**



| DATA SHEET | | |
|-----------------------------------|----------------|----------------|
| | MIXYVAC S 110V | MIXYVAC S 230V |
| Max. power (W) | 150 | 150 |
| Mixing blade rotation speed (rpm) | 400 | 400 |
| Width(cm) | 39 | 39 |
| Depth(cm) | 26 | 26 |
| Height(cm) | 45 | 46 |
| Net/Gross weight (Kg) | 14/16 | 14/16 |
| Energy (V/Hz) | 110 - 50/60 | 230 -50/60 |

- ★ Compact and silent
- ★ Sturdy case, completely in metal
- ★ Pump with delayed start
- ★ Mixing bowl easy connection

SABBY - Sandblaster

Professional **micro-sandblasting for 2 or 4 modules**, for the use of abrasives with different meshes (from 50 to 250 μ) at a time. Each module is equipped with an ergonomic handle for a secure and easy grip, and with an easy-to-reach internal selector to choose the correct abrasive for any working process without taking out the hands from the sandblasting chamber. The shape and the LED lighting of the sandblasting chamber, as well as the total transparency of the tempered glass allow the operator to work with a comfortable posture and a total view on the workpiece. A protection film guarantees a long life of the glass and makes the cleaning easier. The footswitch control grants a prompt stoppage of the sandblasting thus reducing the waste of abrasive material to the minimum. The sandblasting chamber is provided inside with a practical air nozzle or an easy cleaning of the workpiece and of the chamber itself.

DATA SHEET

| | DUE (2 tanks) | QUATTRO (4 tanks) |
|------------------------|---------------|-------------------|
| Max. power (W) | 40 | 40 |
| Width(cm) | 41 | 41 |
| Depth (cm) | 54 | 54 |
| Height (cm) | 34 | 34 |
| Net /Gross weight (Kg) | 14/16 | 14/16 |
| Tanks | 2 | 4 |

- ★ New ergonomic design
- ★ Effective lighting
- ★ Practical connection to suction
4 separate modules for the abrasives
- ★ 2-4 hand pieces, easy to grip, without taking out the hands from the chamber
- ★ Perfect visibility through tempered glass

Air nozzle



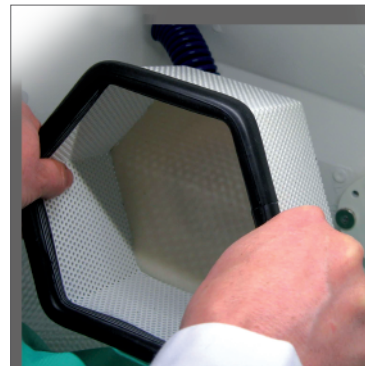


DATA SHEET

SABLOMATIC

| | |
|----------------------|-----------------------|
| Max. consumption (W) | 50 |
| Power supply (V) | 0.83 |
| Width(cm) | 45 /47 w/suction lock |
| Depth (cm) | 43 |
| Height(cm) | 58,5 |
| Net weight (kg) | 26 |

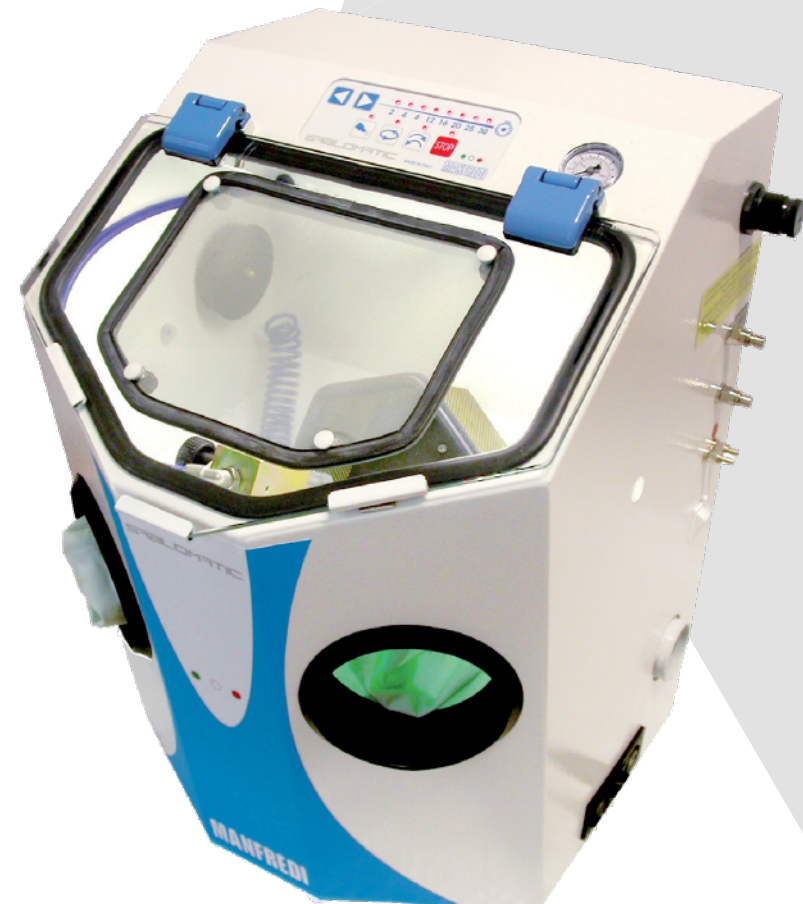
- ★ High resistance tempered glass with magnetic closure
- ★ Display with indication of the remaining working time
- ★ Cold light led lighting
- ★ Efficient suction system with 3 points of intervention
- ★ Delayed suction interruption
- ★ Active safety: immediate sand blasting stopping and basket rotation stopping upon cover opening
- ★ High capacity: up to 8kg abrasive



SABLOMATIC- Sandblaster

Combined micro sandblasting system, SABLOMATIC combines **one automatic suction unit with the possibility of sandblasting manually**, and finishing by coupling different abrasives. With this machine you can choice between manual and automatic cycle, and it has a programmable automatic cycle from 2 to 30 minutes. It has also programmable reversal of the basket direction of rotation. The basket is extractable with magnetic connection and an high capacity (up to 12 frameworks). Sandblaster has a fully programmable cycle with digital control and it has an anti-scratch and sand-proof contro keyboard.

AVAILABLE ACCESSORIES: external suction unit and pneumatic chisel.



SYLOX K-Sandblasting module

Independent sandblasting module, complete with pressure regulator. Easy control of the sand supply through a footswitch. Standard-equipped with a 1.2mm size nozzle. Other nozzle sizes available: Ø 0.8mm and 1.5mm.



DATA SHEET

| | SYLOX K |
|-----------------------|---------|
| Width(cm) | 10 |
| Depth (cm) | 17 |
| Height(cm) | 30 |
| Net/Gross weight (Kg) | 26 |

- ★ Compact size
- ★ Adaptable to any sandblasting box
- ★ Available with different nozzles

ABRASIVES

Decades of experience of Reddish Stone group in the field of abrasives have led to the selection of the best products in order to satisfy all the needs of the dental technician laboratory. The production process guarantees a high quality, constant through time. The rigid plastic containers protect the product from transport damages. The packaging in a controlled environment as well as the use of hermetic closing seals ensures its correct preservation with absence of humidity. Aluminium oxide (Al₂O₃) and glass Microbeads are available in 5Kg and 25 Kg tanks.

Corundum

| | |
|-----------------------------------|---|
| Mesh 36 (500µ) Brown - 5Kg - 25kg | Highly abrasive. Quick and effective removal of investment. |
| Mesh 46 (350µ) - 5Kg - 25kg | Highly abrasive. Effective investment / oxide removal (non precious alloys) |
| Mesh 60 (250µ) - 5Kg - 25kg | Highly abrasive. Effective investment / oxide removal (precious and non precious alloys). |

Aluminium oxides (Al₂O₃)

| | |
|------------------------------|--|
| Mesh 120 (105µ) - 5Kg - 25kg | Medium abrasive. Investment / oxide removal. Framework preparation (precious and non precious alloys). |
| Mesh 150 (95µ) - 5Kg - 25kg | Medium abrasive. Investment / oxide removal. Framework preparation (precious and non precious alloys). |
| Mesh 180 (80µ) - 5Kg - 25kg | Medium abrasive. Investment / oxide removal. Framework preparation (precious and non precious alloys). |
| Mesh 270 (50µ) - 5Kg - 25kg | Lowly abrasive. Light removal of investment / oxides. Framework preparation (precious alloys). |

Microbeads

| | |
|-----------------------------|--|
| Mesh 70 (200µ) - 5Kg - 25kg | Surface treatment, for satin finishing and polishing of non precious alloys. Complete removal of prosthesis residuals (plaster, tartar, etc.) |
| Mesh 150 (95µ) - 5Kg - 25kg | Surface treatment, for satin finishing and polishing of non precious alloys. Complete removal of prosthesis residuals (plaster, tartar, etc.) |
| Mesh 270 (55µ) - 5Kg - 25kg | Surface treatment and polishing of the chewing surfaces, of the secondary or internal elements of the crowns. Prosthesis cleaning (plaster, tartar removal). Devesting (pressed ceramic / inlays). |



- ★ Sharp edge granules (only corundum)
- ★ High purity
- ★ Sturdy tanks with hermetic seal
- ★ Wide range of meshes

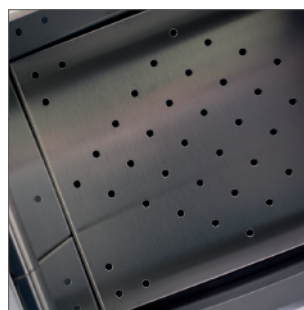
DATA SHEET

| | ACRYDIG 6 | ACRYDIG 12 |
|----------------------------|-------------|--------------|
| Power (W) | 1100 | 1400 |
| Chamber width (cm) | 15 | 26 |
| Chamber depth (cm) | 31 | 31 |
| Chamber useful height (cm) | 26 | 26 |
| Capacity | 6-10 flasks | 10-18 flasks |
| External width (cm) | 19 | 30 |
| External depth (cm) | 42 | 42 |
| External height (cm) | 38 | 38 |
| Net/Gross weight (kg) | 8/9 | 10/11 |

ACRYDIG-Polymerizing unit

ACRYDIG polymerizing units are completely built in stainless steel to guarantee a longlasting life. The special design of the closing lid avoids any dispersion of steam or condensate dripping, thus ensuring the polymerization cycle in a steam saturated atmosphere. The wide opening and the adequate dimensions of the polymerization tank allow a rational accomodation of the flasks. The electronic board controls one-step or two-step polymerization cycles, a pre-start setting, the automatic switch off at the end of the cycle and constantly shows the cycle progress. These parameters allow a controlled polymerization process with natural cooling, thus avoiding any micro-fracture of the resin, usually caused by a sudden cooling. Acrydig is also equipped with water tap on the side, to quickly drain the polymerization chamber. The heating cycle safety is ensured by a sensor, constantly checking the presence of water inside the chamber; in case the level is too low, the system automatically interrupts the heating. **ACRYDIG is available in two versions**, depending on the capacity: 6 or 12 clamped flasks.

- ★ Entirely manufactured in stainless steel
- ★ Intuitive programming
- ★ Water level sensor
- ★ Easy water drain



PRESS OL463

Sturdy and reliable, the **OL463 press can host 3 flasks at a time**, exerting a working pressure of 200bar maximum, even though is it built to bear a working load of max.400bar. Equipped with oil-pressure closed circuit, OL463 does not need periodical oil filling up.

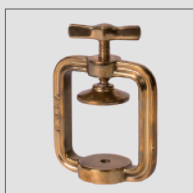
- ★ Oil closed circuit without filling up need
- ★ Nodular cast iron base for a perfect hermetical sealing
- ★ Capacity: 3 flasks



DATA SHEET

| | |
|------------------------|----------|
| Working pressure (bar) | 200 |
| Max. pressure (bar) | 400 |
| Exerted force (Kg) | 15.000 |
| Weight | 20 |
| Capacity | 3 flasks |

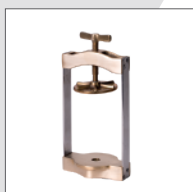
CLAMP



CLAMP 341
One-place clamp for flask 340



CLAMP 361
One-place clamp for flasks 105/330/360



CLAMP 362
2-place clamp for flasks 105/330/360

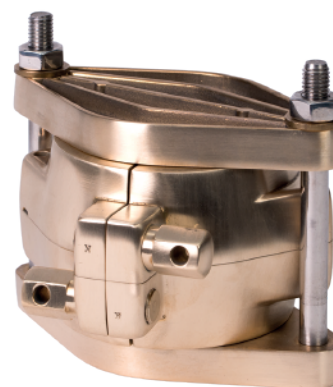


CLAMP 370/1
One-place self-locking clamp

CLAMP 370/2
2-place self-locking clamp

CLAMP 370/3
3-place self-locking clamp

FLASKS



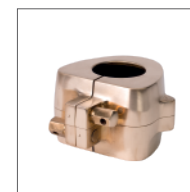
FLASK 105
Quick deflasking flask for complete prostheses



FLASK 330
4-section flask for complete prostheses



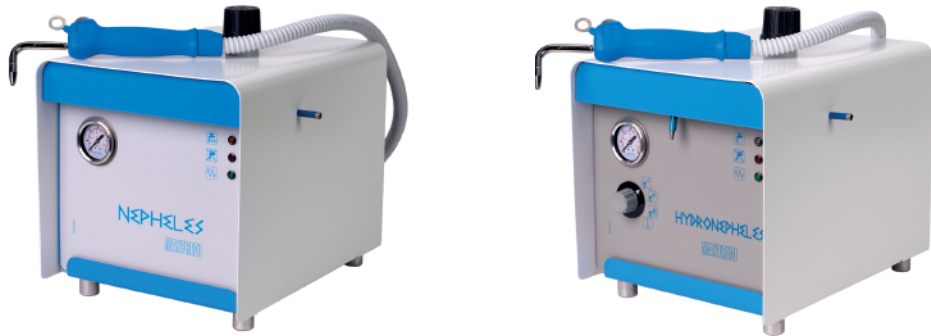
FLASK 340
Round flask for bridges and crowns



FLASK 360
Anatomic flask for wide palates

NEPHELES/HYDRONEPHELES Steamer

Nepheles and Hydronepheles are steam generators expressly designed for the dental laboratory, and **provided with a capacious boiler entirely in stainless steel**. The high thermic insulation and the immersion resistance grant high performances with reduced power consumption. A specially provided valve cap prevents the boiler opening under pressure and protects the equipment from the danger of overpressure. Hydronepheles is equipped with a water level control device allowing the automatic refilling when connected directly to a water tap, through frequent micro-refilling operations in order to keep temperature and pressure constant. Nepheles is equipped with a water level control device indicating the minimum level, thus allowing the operator to promptly fill up the tank. If water runs out, the



- ★ Boiler entirely in stainless steel
- ★ High insulating thermic protection
- ★ Reaching the working pressure in 10 minutes only
- ★ Automatic (Hydronepheles model only) or manual water refilling
- ★ Safety cap
- ★ Power Supply: 110V 50/60 Hz; 230V 50 Hz; 230V 60 HZ

| DATA SHEET | |
|------------------------|------|
| NEPHELES/HYDRONEPHELES | |
| Width (cm) | 32 |
| Depth (cm) | 38 |
| Height (cm) | 38 |
| Net weight (kg) | 17 |
| Power (W) | 1900 |
| Boiler capacity (lt) | 4.5 |

ASPY 1-Suction unit

Model Aspy1 6l Suction unit can be used on milling machine, sandblasters, micro motors, high speed grinders, workbenches and in any other situation where a powerful, silent and adjustable suction unit equipped with an efficient filtering system, is necessary.



| DATA SHEET | |
|-----------------|-----------|
| | ASPY1 |
| Width (cm) | 30 |
| Depth (cm) | 35 |
| Height (cm) | 40 |
| Net weight (kg) | 13 |
| Power (W) | 900 |
| Max Noise level | 59dBa |
| Start and Stop | Automatic |

- ★ Easy connection by means of practical joints
- ★ Wide suction power regulation
- ★ Three stage filtering system: micropor bag, Class M cartridge filter, HEPA exhaust filter.
- ★ Power tool socket (Max 250W)
- ★ Monitoring of filters status

ASPYCAM-Suction unit

The professional suction unit ASPYCAM is designed to be the default instrument in dental and jewellery lab.

Optimized for the use in CAD-CAM systems. Powerful and compact sized, can be directly connected and operated by the milling machine. Bag and bagless versions available, **Aspycam can be installed directly under the workstation.** Fully automatic filter cleaning: The new pcp will perform the automatic filter cleaning when the air flow is below 20 l/sec through a pressure switch. The filter shaker activates for 10 seconds every time the milling machine is switched off and/or every working hour.

- ★ Optimized for the use in CAD-CAM systems
- ★ Communication protocol RJ 45 port
- ★ 4-stages filtration
- ★ Seal gasket is suitable for all dust types
- ★ Capacity with bag 6 l
- ★ Capacity dust box without bag 7.5L
- ★ 5 layers Micropor bag
- ★ M class Main cartridge filter
- ★ Motor protection filter PPI 40 sponge filter
- ★ Exhaust Hepa E10 filter



| DATA SHEET | |
|---------------------|--|
| ASPYCAM | |
| Motor | Standard motor 1000w/ Brushless motor 1000w |
| Noise level | 55-59 DbA |
| Type | Only Dry – dual use system (bagged or bagless) - 8 lt |
| Connection with cam | RJ 45 socket |
| Filter cleaning | Fully automatic |
| Filtration | 4 stage |
| Working mode | Manual and Automatic |
| Full bag indicator | Led lighth |
| Dimension (LxWxH) | 24x33x50 cm |

M2LINE-Polishing lathe

Silent and reliable 2-speed bench-type polishing lathe. Equipped with safety device against any accidental start of the motor. The double speed allows an efficient performance both during removal operations (low speed), and polishing operations (high speed).

OPTIONAL Splash guard



| DATA SHEET | |
|------------------------------|--|
| | M2LINE |
| Width (cm) | 34 |
| Depth (cm) | 20 |
| Height (cm) | 25 |
| Net weight (kg) | 8,5 |
| Power (kW) | 0,37 |
| Rotation speed (rpm) | Position 1 - 1400 Position 2 - 2800 |
| Sound pressure level (dB(A)) | <70 |

- ★ Double speed
- ★ Fast extraction device for spindles

ASPYCLEAN-Suction unit

Suction unit for dental polishing lathe machines, highly ergonomic, allowing the operator to perform easily and safely all the polishing operations. The powerful and silent suction system with built-in filters guarantees a healthy work environment. The equipment is provided with double workstation with the possibility of excluding one station and double the suction capacity on the other. The intense lighting of the working area and a capacious brush holding compartment complete the outfit.



| DATA SHEET | |
|-----------------|-----------|
| | ASPYCLEAN |
| Width (cm) | 66 |
| Depth (cm) | 51 |
| Height (cm) | 42 |
| Net weight (kg) | 36 |
| Power (W) | 132 |

- ★ High suction capacity
- ★ Effective lighting
- ★ Single or double workstation
- ★ Brush holding compartment
- ★ Easy filter cleaning

SYLOPLASTER-Plaster dispenser

Electric silo for 25 Kg plaster. The internal container rubber is sealed to avoid the spoiling of plaster caused by moisture infiltrations. When the pouring diaphragm below is opened, the vibration of the internal investment starts automatically, ensuring a constant flowing of plaster, thus avoiding any lumping or clogging. Syloplaster is wall-mounted but can be accessorised with a lifting system, LIFT-O-PLASTER, to make plaster loading easier.



| DATA SHEET | |
|------------------------|-----|
| SYLOPLASTER | |
| Width (cm) | 40 |
| Depth (cm) | 31 |
| Height (cm) | 71 |
| Weight when empty (Kg) | 28 |
| Power (W) | 200 |
| Load capacity (Kg) | 25 |

- ★ Easy and exact plaster dosing
- ★ Avoids waste of material
- ★ Avoids powder dispersion in the work environment
- ★ Protects plaster from humidity

CHISY 6-Chisel

CHISY 6 is a multifunctional pneumatic chisel, exclusively designed for the dental laboratories. Powerful enough to remove even the hardest investments.



| DATA SHEET | |
|--|-----------------------------|
| CHISY 6 | |
| Working pressure (adjustable from the chisel handgrip) (bar) | 1-6 |
| Air consumption | 50 litres per min. at 6 bar |
| Weight (g) | 230 |

- ★ 3 removable and interchangeable chisels in hardened steel
- ★ Ergonomic shape
- ★ Sturdy manufacture

CUTTY- High speed grinder

CUTTY is the high speed grinder ideal for any model casting technique laboratory; combining strength and practicality for rapid cutting and polishing operations. The special design of the spindle allows the replacement of the tool without stopping the motor, thus avoiding any work break, saving therefore time. Adjustable spindle position. Speed rotation up to 26.000 rpm.



| DATA SHEET | |
|---------------------------|---------------|
| | CUTTY |
| Width (cm) | 31 |
| Depth (cm) | 35 |
| Height (cm) | 28 |
| Net /Gross weight (Kg) | 15/20 |
| Power supply (V/Hz) | 110-230/50-60 |
| Max. electrical input (W) | 180 |

- ★ Continuous regulation of the speed
- ★ Powerful lighting
- ★ Easy connection to suction

DUALTRIM-Model Trimmer

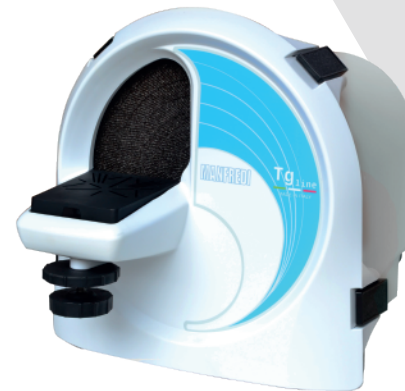
This double disc model trimmer has been designed to meet the need even of the most sophisticated orthodontist. The 2 motors can be activated alone or together. Also the 2 water outlets can be separately regulated. The disc, the first coarse to cut and the other fine to finish, can be used with graduated goniometer and model press on the angulated table.

- ★ Voltage 220-240 V / 50/60 Hz
- ★ 2 motor: 450 Watt / 1400 rpm
- ★ 2 reinforced abrasive discs Ø 300 mm



TGLINE-Model trimmer

TG Line is a silent and sturdy water model trimmer specifically designed for the dental laboratory requirements. It guarantees a smooth and even levelling of the model surface, thus minimizing the abrasive disc smearing. The front panel can be removed very quickly, enabling an effortless change of the abrasive disc, also available in diamond abrasive surface. The model holding plate with easy guidelines, is adjustable in 3 different positions. TG Line is additionally equipped with a solenoid valve avoiding useless water consumption when the equipment is not working, and with a protection device against any accidental start of the motor.



| DATA SHEET | |
|------------------------------|--------|
| | TGLINE |
| Width (cm) | 30 |
| Depth (cm) | 40 |
| Height (cm) | 30 |
| Worktop height (cm) | 15 |
| Weight (Kg) | 17 |
| Revolutions per minute (rpm) | 1400 |
| Power (W) | 600 |

- ★ Case entirely in metal
- ★ Noiseless
- ★ Easy front opening

UNDERMILL-Plaster model

When a precision milling on palatal and areas on plaster or acrylic models is required, **Undermill is the most reliable machine**. Fitting most burs with different shapes. Noiseless and easy maintenance motor with shaft mounted on dust protected ball bearings. Dynamically balanced rotor to be used with a central suction or a dry suction unit.



DATA SHEET

| UNDERMILL | |
|------------------------|-----------------|
| Max consumption (Watt) | 130 |
| Rpm | 2.800 |
| Height (cm) | 29 |
| Diameter (cm) | 19,5 |
| Weight (kg) | 5 |
| Bur | Tungsten Ø 6 mm |
| Power Supply (V/Hz) | 230/50 |

DRILLY-Plaster model

Ensuring the highest drilling precision in dowel pins technique, **Drilly can be used with plexiglass, polycarbonate and any suitable plastic material** as well as with any plaster, even the hardest one. The red laser beam gives the exact drilling point. Motor shaft mounted on dust protected ball bearings. Dynamically balanced rotor.



DATA SHEET

| DRILLY | |
|------------------------|-----------------|
| Max consumption (Watt) | 150 |
| Rpm | 2.800 |
| Height (cm) | 40 |
| Widht(cm) | 19 |
| Weight (kg) | 12 |
| Depth (cm) | 18 |
| Bur | Tungsten Ø 6 mm |
| Power Supply (V/Hz) | 230/50 |

SAWY & SAWYLASER

Sawy diamond blade disc saw for model stump technique. Constant torque, d.c. motor, 6000 rpm, powerde through transformer. Two-hands safety protection. Built in suction with filter. Ball-joint model holder with magnetic locker. High quality diamond blade. **Sawylaser**: same as Sawy but equipped with high precision laser beam showing th exact cutting line.



DATA SHEET

| SAWY/S.LASER | |
|---------------------|----------------------|
| Width (cm) | 25 |
| Depth (cm) | 30 |
| Height (cm) | 32 |
| Weight (Kg) | 15 |
| Power Supply (V/Hz) | 230/50 |
| Rpm | 6000 constant couple |

MODY ONE-Wax carving

Electric wax carving device for freehand waxup as well as fore use with surveyor. Very light pencil. "Quick-slip and lock".



DATA SHEET

| | MODY ONE |
|--------------------------|----------|
| Width (cm) | 7 |
| Depth (cm) | 11 |
| Height (cm) | 6,5 |
| Working temperature (°C) | 50-200 |
| Power supply (V/Hz) | 230/50 |
| Max. consumption (W) | 12 |

MODY TOUCH-Wax carving

Besides all the mody one performances, Mody Touch is the most advance and complete wax carver keeping the easy touch device and feeding two independent pencils. With the "easy touch" device it is enough to touch the top ring of the pencil to select between the two pre-set temperatures. Mody Touch is supplied with complete set of six pencils.



DATA SHEET

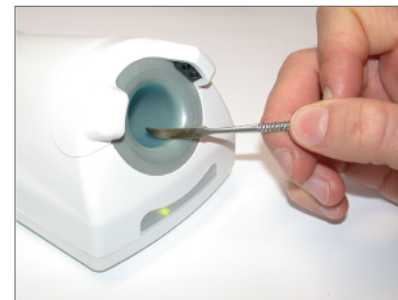
| | MODY TOUCH |
|--------------------------|------------|
| Width (cm) | 14,5 |
| Depth (cm) | 12 |
| Height (cm) | 6,5 |
| Working temperature (°C) | 50-200 |
| Power supply (V/Hz) | 230/50 |
| Max. consumption (W) | 20 |

HEAT00L-Bunsen

The **electronic induction bunsen Heatool** is the safest way to carve the wax during the wax up. A double proximity sensor allows to heat the tool in 2 seconds only. When Heatool starts to heat, the led switches from green to red thus ensuring the operator about the status. If no tool is on the heating area, Heatool switches on standby position (green led on) saving precoius energy. The accuracy of the proximity sensor ca be easily gauged acting on the sensitivity screw. The red lights are on when heatool is heating! **In 2 seconds the tool is hot!**

DATA SHEET

| | HEAT00L |
|---------------------|---------|
| Width (cm) | 9 |
| Depth (cm) | 19 |
| Height (cm) | 9 |
| Power Supply (V/Hz) | 230/50 |
| Max consumption (W) | 100 |



KERY 1

Waxpots Kery

Suitable for the dipping technique. Fast heating without overshoots thus allowing the wax to glue well and uniformly to the stump.



KERY 3

Waxpots Kery

Allows to heat up **three waxes** using their separated pots. On each pot is possible to record the most suitable temperature for the wax here contained. The control with digital display grants the most accurate temperature in each pot. Fast heating without overshoots. When not in use, a cover protect the wax from pollutions.



KERY 4

Waxpots Kery

Allows to heat up **four waxes** using their separated pots. The larger pot is commonly used for the wax of major consumption. The high accuracy temperature control with digital display grants the uniformity in all the pots. Fast heating without overshoots. When not in use, a cover protects the wax from pollution.



KERY LARGE

Waxpots Kery

Designed for the wax up in the partial and removable techniques allowing a **constant density and uniformity of the wax.**



DATA SHEET

KERY 1

| | |
|---------------------|---------------------|
| Power Supply | 230 V - 50 Hz |
| Max consumption | 60 W |
| Working temperature | 50-120 °C |
| Dimensions | D 14/ W 11/ H6,5 cm |

DATA SHEET

KERY 3

| | |
|---------------------|----------------------|
| Power Supply | 110 -230 V /50-60 Hz |
| Max consumption | 200 W |
| Working temperature | 50-120 °C |
| Dimensions | D 15/ W 19/ H7 cm |

DATA SHEET

KERY 4

| | |
|---------------------|----------------------|
| Power Supply | 230 V - 50 Hz |
| Max consumption | 120 W |
| Working temperature | 50-120 °C |
| Dimensions | D 12/ W 19/ H 7,5 cm |

DATA SHEET

KERY 4

| | |
|---------------------|----------------------|
| Power Supply | 230 V - 50 Hz |
| Max consumption | 120 W |
| Working temperature | 50-120 °C |
| Dimensions | D 12/ W 19/ H 7,5 cm |

RING & PULSAR-Vibrators

DATA SHEET

| | RING |
|-------------------------|--|
| Max Consumption | 22 W |
| Useful Diameter | 14 cm |
| Height | 10 cm |
| Net weight/Gross weight | 2 kg/2,5 kg |
| Power Supply | (V01A4) 230 V - 50/60 Hz (V01A1) 110 V - 50/60 Hz |

DATA SHEET

| | PULSAR 2 | PULSAR 4 | PULSAR 6 | PULSAR LARGE |
|-------------------------|-------------|-------------|---------------|--------------|
| Max Consumption | 220 W | 220 W | 220 W | 220 W |
| Width | 25 cm | 24 cm | 37 cm | 60 cm |
| Height | 11 cm | 11 cm | 11 cm | 11 cm |
| Depth | 16 cm | 24 cm | 27 cm | 40 cm |
| Net weight/Gross weight | 5 kg/5,5 kg | 6,5 kg/7 kg | 10 kg/10,5 kg | 26 kg/27 kg |
| Power Supply | | | | |
| 230 V - 50/60 Hz | V02A4 | V04A4 | V06A4 | V07A4 |
| 110 V - 50/60 Hz | V02A1 | V04A1 | V06A1 | V07A1 |

RING.

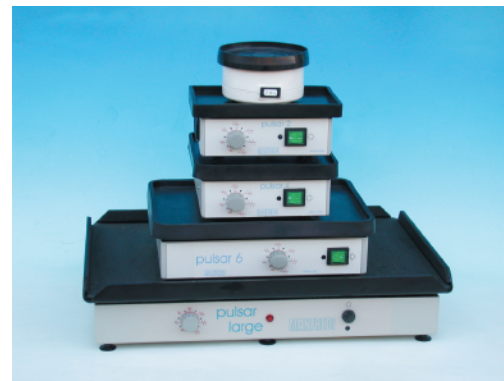
Small-size vibrator, especially suitable for the impression models in dentist offices or small laboratories.

- ★ Rubber table removable for cleaning
- ★ Selector switch with two intensity setting

PULSAR.

The vibrators PULSAR 2, PULSAR 4, PULSAR 6 and PULSAR LARGE, respectively for 2,4,6 and 18 large rings, have been carefully designed to facilitate any kind of investment or stone. Due to the new electronic control system, the vibration is perfectly vertical and the vibration intensity may be set from the lowest intensity, almost imperceptible, up to a maximum intensity value, much stronger than would be required for, even by the most difficult casting.

- ★ Continuous vibration, perfectly vertical, and continuous vibration control
- ★ Illuminated switch
- ★ Rubber table removable for cleaning



MBL60-Brushless Micromotor

Professional rotary micromotor system for all purposes. Polishing and texturing jewelry surfaces, sizing, drilling, stone setting, bright-cutting on any material. Quick tool change collet, ergonomic and sturdy handpiece. Large display for speed and options control, dial speed control and forward/reverse direction switch, 60.000 rpm, variable-speed foot rheostat.



- ★ Motor: Brushless
- ★ Max speed: 60000rpm
- ★ Torque: 9.2 N.cm
- ★ Output: 250W
- ★ Large LCD display
- ★ Hand/Foot speed control
- ★ Rotation: D&S/R&L
- ★ Self-Diagnosis
- ★ Auto-stop for overload

| DATA SHEET | |
|--------------------|----------------|
| | MBL60 |
| Dimensions (LxPxH) | 155x235x110 mm |
| Weight | 2,41 kg |
| Cutter length | 167 mm |
| Weight length | 223 g |
| Diameter length | 20/28 mm |

MBL50-Brushless Micromotor

Compact professional rotary micromotor system for all purposes. Polishing and texturing jewelry surfaces, sizing, drilling, stone setting, bright-cutting on any material. Quick tool change collet, ergonomic and sturdy handpiece. Speed display, dial speed control and forward/reverse direction switch, 50.000 rpm, variable-speed foot rheostat.



- ★ Motor: Brushless
- ★ Max speed: 50000rpm
- ★ Torque: 8.0 N.cm
- ★ Output: 230W
- ★ Hand/Foot speed control
- ★ Rotation: D&S/R&L
- ★ Auto-stop for overload

| DATA SHEET | |
|--------------------|----------------|
| | MBL50 |
| Dimensions (LxPxH) | 160x210x110 mm |
| Weight | 2,31 kg |
| Cutter length | 162 mm |
| Weight length | 193 g |
| Diameter length | 20/27 mm |

MBL35-Brush Micromotor

Affordable very compact rotary micromotor system for all purposes. Polishing and texturing jewelry surfaces, sizing, drilling, stone setting, bright-cutting on any material. Quick tool change collet, ergonomic and sturdy handpiece. Dial speed control and forward/reverse direction switch, 35.000 rpm, variable-speed foot rheostat.



- ★ Motor: Brush
- ★ Max speed: 35000rpm
- ★ Torque: 2.8 N.cm
- ★ Output: 65W
- ★ Hand/Foot speed control
- ★ Rotation: D&S/R&L
- ★ Auto-stop for overload

| DATA SHEET | |
|--------------------|---------------|
| MBL35 | |
| Dimensions (LxPxH) | 101x104x85 mm |
| Weight | 0,97 kg |
| Cutter length | 158 mm |
| Weight length | 205 g |
| Diameter length | 15/29 mm |

BELT30-Brushless Micromotor

Portable rotary micromotor system, battery powered. Polishing and texturing jewelry surfaces, sizing, drilling, stone setting, bright-cutting on any material. Quick tool change collet, ergonomic and sturdy handpiece. Dial speed control and forward/reverse direction switch, 30.000 rpm, high speed charge and long lasting battery.



| DATA SHEET | |
|--------------------|----------------|
| MBL60 | |
| Dimensions (LxPxH) | 155x235x110 mm |
| Weight | 2,41 kg |

- ★ Motor: Brushless
- ★ Max speed: 30000rpm
- ★ Over 25 hours operation
- ★ Changing: 3h
- ★ Battery: 2600mAh 12V
- ★ Rotation: D&S/R&L
- ★ Auto-stop for overload
- ★ Portable

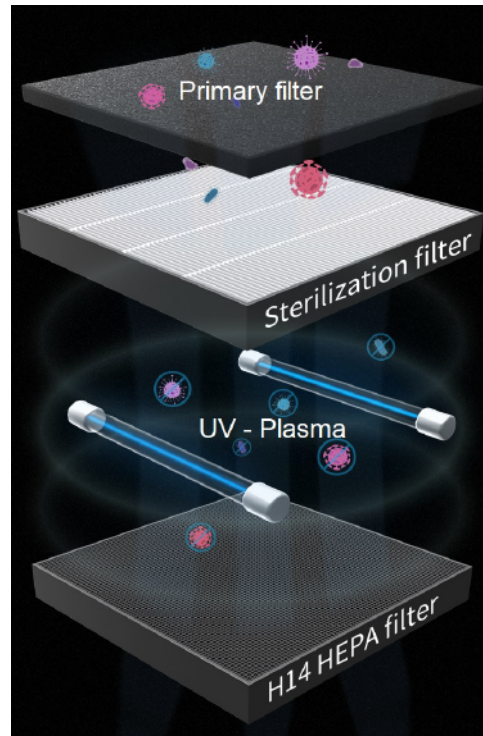
ASPYSAFE

Dental Extraoral Suction Unit

This machine collects the droplets, bacterial aerosol and dust generated during oral treatment. Particles will be stopped by going through a long series of filtering and sterilizing devices:

1. **FIRST FILTERING** - Suction hood + Adjustable arm: eliminates superfine electrostatic fiber, water mist, larger particles, dust, cigarettes odor, pollen, hair, dander, etc.
2. **SECOND/THIRD FILTERING** - Smaller particle matter will go through the fine filter, and subsequently will be sterilized by the UV-C lamp and Ozone, and the remaining gas will finally pass the HEPA (High Efficiency Particulate Arrestance) filter before the exhaust.

This process is designed to ensure the perfect cleanliness of the clinic environment.



TECHNICAL SPECIFICATIONS

| | |
|----------------------------|-----------------------------|
| Main voltage and frequency | 230 V, 50/60 Hz |
| Rated Power | 1600 W |
| Control mode | 10 speed w/ control display |
| Suction flow | 1890 l/min |
| Filtration efficiency | 0.3 μm (99.9%) |
| UV Wavelength | 185 nm & 254nm |
| UV light working life | 8000 h |
| Noise | <70 dB |
| Pressure | 21Kpa |
| Suction Arm Size | 165cm, Φ 5cm |
| Weight | Net 29 kg |
| Dimension | 275*307*74.8 mm without arm |



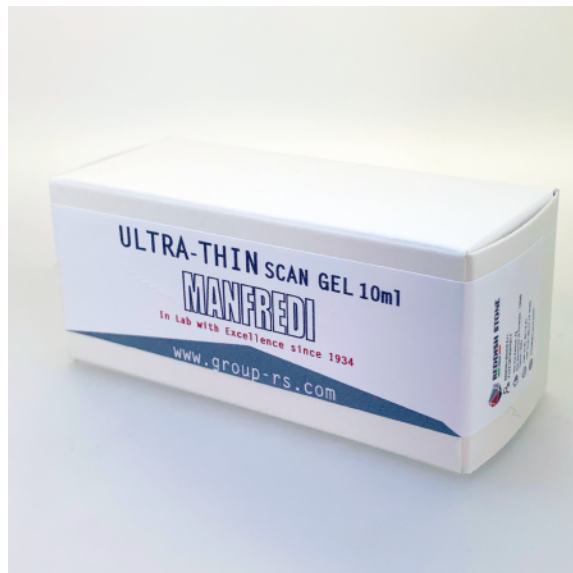
ASPYSAFE

- ★ Triple stage filtering
- ★ Adjustable speed 10x
- ★ UV-C Sterilization
- ★ Adjustable arm 165 cm



★ MAIN FEATURES

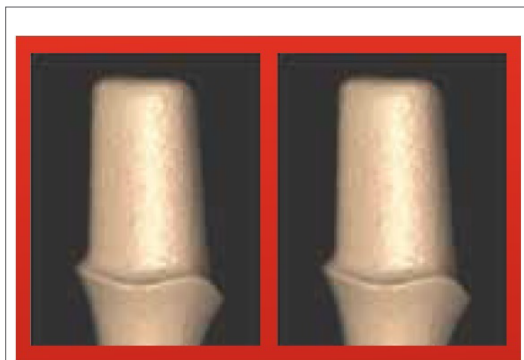
- ★ Easy to apply and remove
- ★ Precise Scan - less than 5 micron
- ★ 2/3 TIMES THINNER THAN SPRAY
- ★ 5/10 TIMES MORE CASES THAN SPRAY
- ★ NO HARMFUL MICROSCOPIC DUST
- ★ Less fumes
- ★ Bio inert nano material - Titanium Oxide base



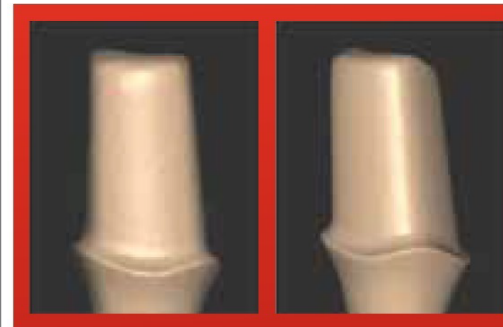
ULTRA-THIN SCAN GEL

3D SCANNING COATING APPLICATION

ULTRA-THIN SCAN GEL is a brush-on gel that does not create any microscopic dust, which has been an issue with the conventional spray types, improving work environment and eliminating harmful effects on users health. It can be used to replace any scan spray for cleaner, easier, more precise results.



Scan Spray



ULTRA-THIN SCAN GEL





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