DENTALFARM equipment

in the dental lab practice
We will consider the following workphases of a dental lab, starting from the dentist’s diagnosis up to the final prosthesis:

1. Preparation of molding plasters
2. Prosthesis planning
3. Wax modelling
4. Handling of dental investment
5. Casting
6. Sandblasting
7. Polymerization and finishing
1. Preparation of Plasters

Plaster is needed to initially build up a workable model

Handling plasters requires:

- Vacuum mixing of alginates and plasters \((\text{Mix})\)
- Use of vibration to pour plaster \((\text{Export})\)
- Definition and trimming of the model \((\text{Mt-Dry, Mt-Wet})\)
- Pin drilling \((\text{ED Laser})\)
- Stump separation \((\text{Cut})\)
Vacuum mixers

MIX effective and easy-to-use

For any plaster or alginates

... very useful in the Dental Cabinet as well

- Powerful built-in vacuum pump (no Venturi system!)
- Own rotating motor
- Timer and beeper at end of cycle
- speed: 400 rpm

Supplied with:
Wall hanger – mixing bowl 500 cc.

Incorporated vacuum pump + motor
= powerful vacuum

Better and faster mixing
**Vacuum mixers**

**MIX-R**

*For any plaster or alginites*

*very useful in the Dental Cabinet as well*

**Additional features:**

- adjustable speed 0 – 400rpm
- reversible rotation

**Integrated vacuum pump and motor**

ensure an optimal mixing of all available plasters and investments
Vacuum mixers

MIX-R PROGRAM

Best performance with less effort

Specific features:

• 3 pre-set programs for alginate – plaster – investment

Possibility of manual or automatic mode

Advantages of automatic mixing:

- faster handling

- reproducible, standardized results

- reduction of corrective operations
Vacuum mixers

**Accessories:**

- Special mixing bowl 200 cc for alginates

[The *silicon-covered paddle rim* helps mixing alginates and prevents them from sticking on the bowl surface]

- Mixing bowl 200 cc
- Mixing bowl 1,000 cc
- Mixing bowl 2,000 cc
- Bench stand
Pouring plaster

The use of vibrators pursues the following goals:

• prevention of air bubbles
• perfect binding and compactness of the plaster product

DENTALFARM offers an extensive range of vibrating tables

VIT

Round plate
2-speed-regulation
For plaster and alginates
→ for the Dental Cabinet as well
Vibrating Tables

**MINIEXPORT**
- Adjustable vibration (potentiometer)
- Capacity: 2 big rings

**MIDIEXPORT**
- Adjustable vibration (potentiometer)
- Capacity: 4 big rings

*Perfectly vertical and uniformly distributed vibration* (shock absorbers)
*Anti-jamming filter for electro-magnetic compliance*
*Extremely stable* (sucker feet) and heavy-duty
Vibrating tables

**EXPORT2**
- Adjustable vibration (potentiometer)
- High capacity: 6 big rings
- Plate 350x250 mm

**MAXIEXPORT**
- Adjustable vibration (potentiometer)
- High capacity: 18 big rings
- Teller 600x400 mm

The ideal solution for big, structured labs with heavy workload
Model Trimming

The model is shaped and prepared for later workstages.

MT-DRY

Dry-functioning

Easy and powerful

Sturdy components (diamond disc)

Allows a fast shaping of your model

Motor: 1400rpm

Adjustable model-holding plane

Socket for automatic connection to an extraction system
Wet trimming has some advantages:

- Water softens plaster and makes trimming more comfortable.
- Water helps reducing dust.

**MT-WET** with diamond

**MT-WET** (bakelite disc)

- Motor: 1400 rpm
- Adjustable water inflow
- Connection to a suction system
Model Shaping

To speed up your work and correctly shape the interior parts of your model

MF-400 finishing unit

Equipped with central cylindric bur

- Powerful motor 2800 rpm
- Bur protection cap for more safety
- Safety front switch
- Connection to dust extractor
- Large stainless steel working area

Available cutters:
- Cylindric cutter
- Cone-shaped cutter
- Reverse cone-shaped cutter
Drilling the Model

**Objective:** pin positioning and creation of leading pinholes

**ED Laser Pin Drilling Unit**

- Laser guide and pointing system
  - Highest precision

- Adjustable hole depth
  - Best controlled drilling

Supplied with Zeiser-type cutter

(Pindex on demand)
Building Stumps

Also in this phase, an absolutely precise cutting is essential

Stump separator CUT

Safety first:
- It can be operated by with both hands
- Magnetic support plate
- Protection screen

Power: 2800 rpm, 60 W
Diamond-coated cutting disc with smooth blade
Diamond-coated cutting disc with indent crown

Model holders: additional adapters for TRICODENT and ACCU-TRAC technique
Suction Units

A basic facility in every lab

**PRO-3 range features:**

- 3-stage-filtration concept:
  - paper bag
  - high-porosity nylon sack
  - pleated cartridge 1µ microfilter

**PERFECT PROTECTION OF THE ENGINE**

- possibility to connect 2 units at the same time
Suction Units

PRO-3 Shake

a heavy duty machine with reduced maintenance requirements

- suction volume = 170 m³/h
- 1μ microfilter, Ø250mm, 245mm h
- electromagnetic stirrer which shakes the upper part of the filter without the need of accessing the inside of the machine.

self-cleaning filter = extensive use easier & faster maintenance
Suction Units

PRO-3
compact facility with high performances

- compact in size and practical in use
- suction volume = 150 m³/h
- 1μ microfilter, Ø175mm, 125mm h
1. Preparation of molding plasters
2. Prosthesis planning
3. Wax modelling
4. Handling of dental investment
5. Casting
6. Sandblasting
7. Polymerization and finishing
2. PROSTHESIS PLANNING

After the preparation of plaster, it will be necessary to proceed with an accurate studying phase of the model:

- Measurement and analysis of the model coordinates
- Marking of the guidelines
- Planning of a wax model
- Determination of the path of insertion

→ Surveyor \((A, B, C)\)
Dentalfarm has a 50-year-long experience in manufacturing surveyors

Our surveyors are:

- **EXCLUSIVE**
  manual surveyors can turn into high-quality milling units
  (special drilling kit)

- **MULTI-PURPOSE**
  replaceable arms can be added
  hot spatulas can be fixed for orthogonal wax modelling
Surveyors

A

B

C

Jointed arm + rigid arm
for all functions
and best working conditions

Every unit is supplied with:
tip-fixing pliers,
instruments + 1 model holder

Rigid arm
(to position the attachments)

Double jointed arm
(for measurements and model planning)
Surveyors

Additional arms can be mounted at a later stage

Rigid arm to transform a B-surveyor into a C-surveyor

Jointed arm to transform a A-surveyor into a C-type
1. Preparation of molding plasters
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6. Sandblasting
7. Polymerization and finishing
3. WAX MODELLING

Warming up and laying on wax
→ Bunsen or induction burner + hand instruments
(Bunsen, E-Bunsen)

Building out the wax pattern

→ Electronic hot spatulas (Hot)

Solidification and hardening
Superficial modelling
→ Micromotor (Hp30, Hp35, Hp45)

High-precision milling of wax overplus and detrites
→ ISO-surveyor / Milling Unit (Iso)
Wax Modelling

Warming up the wax with Bunsen burner

- Basic version for propane gas
- Very economic!

- Burner with thermocouple for natural gas
- Burner with thermocouple for propane

Work safely!
(The gas flow stops in case the flame should extinguish)
Wax Modelling

E-Bunsen

- no gas
- top working speed
- safer handling

ADVANTAGES
- best working conditions without risk
- instant heating
- low absorption in stand-by mode
- faster handling

compact and easy to install anywhere in the lab

LED indicator
(heating ON / OFF)
Wax Modelling

Hot precise and handy... to speed up your work

- adjustable temperature range
  50° to 200° C
- temperature display
- ergonomic handpiece
- 2 modelling tools included in the price

Double Version Hot–2

- 2 completely independent handpieces
- 2 completely independent displays
- 6 tools included in the price
Wax Modelling

Hot 2 Touch
performance at your fingertips

TOUCH ring
= instant temperature switch by a finger

Reduced operating times:
- you avoid the use of a bunsen burner
- you can instantly switch from one temperature to another

⇒ quicker moves to pick up the wax and to model your pattern
Wax Modelling

Wax tools

Modelling tips:
- Small curved cone-shaped probe
- Large curved cone-shaped probe
- Knife blade
- Straight sparehead blade
- Curved sparehead blade
- Wax spoon

Set of milling tips for use in combination with surveyor or ISO
- Cylinder probe
- $2^\circ, 4^\circ, 6^\circ$ conical probes
Wax Modelling

The big advantages of DENTALFARM electronic wax instruments:

- **easier handling**
  you can set the best temperature according to the specific wax product and to your personal modelling technique

- **safety**
  you work in a safer way (no gas connection)

- **time economy**
  save up to 50% of your time

using the innovative TOUCH system,

you model as if you were using a traditional spatula.
Wax Modelling

Hotwax wax immersion technique and preheating with best results

ADVANTAGES:
- Correct temperature for any waxes with different melting pots
- Highest precision (+/-1°C)
- Relevant time economy during waxing-up (no bunsen burners)
Wax Modelling

Hot can be easily mounted on an Iso-Surveyor with best results

ADVANTAGES:

• Orthogonal wax laying
• Wax removal
• Highest precision
ISO Surveyor

A Dentalfarm ISO surveyor offers you all the features of a manual surveyor, and more:

- Possibility of high-precision milling
- Possibility of drilling and coulisses

Price advantage:

4 TIMES CHEAPER than the cheapest milling unit of the competition!

An ISO surveyor is an essential instrument for wax modelling, as well as for later workstages, i.e. to mill metal after casting.
ISO Surveyor

ISO basic model

Smart and user-friendly

Double jointed arm model holder

Column & rigid arm for prosthesis planning
(like a manual surveyor!)

Analysing rod
1 carbon marker with lead
3 undercut gauges

1 Wax knife
Guiding rod for axial milling
Graduated knob for drilling and coulisses
Arm locking knob
ISO Surveyor
Optional Accessories

- Light and air compartment
- Arm lifting kit
- Model positioning instruments
- Adapters for wax hot spatulas
- Adapters for any available micromotor on the market
ISO Surveyor

ISO Color Top

Highly efficient and best equipped

Guiding rod for axial milling
Graduated knob for drilling operations
Arm locking kit
Column for prosthesis planning

Fixing pliers for any micromotor
Air and light compartment

A solid investment for anyone looking for best precision and a reasonable price/quality ratio
Surveyors and ISO

Arms can be easily integrated and added...

Drilling Kit:
...even your manual surveyor can turn out into a complete milling unit!

Advantages in brief:

- **Unique feature**: surveyor and milling unit both derive from the same line.
- **Multiple-use**: simplified structure for an ideal use in any workstage (*milling, prosthesis planning, wax modelling*)
Micromotors

HP 45 brushless

Lightweight design for top performance

- Brushless motor **45,000 rpm**
- Extremely light handpiece (**195 g**)
- Reversible rotation

- Pre-setting of the desired speed (very useful when milling)

- The micromotor allows you to attain a pre-set speed both in **manual mode** or **progressively** using the foot control

- Real-time speed will be shown on the digital display
Micromotors

HP 45 brushless

Save space on your working desk

Control unit and foot control under the desk

Vertically positioned control unit

Foot control under the desk (knee-operated)
Micromotors

HP 45 brushless

All the qualities of a leader

- Antidust system on external cover
- Sturdy and silent
- Practical and elegant

Ergonomic and extremely light (195g)!

All the advantages of brushless technology:
- Frictions are drastically reduced
- Internal rotating components are perfectly balanced
Micromotors

HP 45 multifunction

45,000 rpm brush motor

Labyrinth protection system

Ergonomic grip

Torque 4.4 Ncm
Micromotors

HP 35 multifunction

- Brush motor **35,000 rpm**
- Very light and ergonomic handpiece
- Reversible rotation

Pre-setting of a fixed speed
(manual mode, very useful when milling)

**Reduced space requirements:**
on the desk or under the desk

Foot or knee control (progressive speed up to the maximum)
Micromotors

**HP 30 on-off**

- Brush motor **30,000 rpm**
- Very light and ergonomic handpiece
- Reversible rotation

*Ideal for the Dental Cabinet*

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**ON / OFF foot switch**

**Manual speed adjustment**

**Reduced space requirements**
Polishing machine

Shin e

Mechanical lathe polishing machine
Equipped with 500W motor
Double speed 1400 / 2800 rpm

Splash guards
90x85x30
Ultrasonic cleaners

Sonar 35 clinic
Sonar 50 clinic

Temperature up to 55°
Up to 20' washing cycles.

CLINIC line: digital flat keyboard

Capacity: 3,5 l or 5 l

Practical accessories on demand:
beaker and dripping basket with movable handles, for optimal dripping
Modelling

Solar 3x

For perfect visibility in the most delicate workstages

Lighting sources raking by 15°
Flexible arm for an easy positioning

Big 3x magnifying lamp

6400° Kelvin white light – like natural light
Modelling

Solar 3x

3 different fixing systems:
- Bench clamp
- Bench-top
- Wall hanger
Modelling

Solar 3x Led Studio

• shadowless LED light
• practical and elegant design
• round 3x magnifying lens
• energy saving lamp (4.8 W only)
1. Preparation of molding plasters
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4. HANDLING OF DENTAL INVESTMENTS

Dental investments are used in the preparatory phase before casting: they are used to prepare the **casting forms**.

Dental investments have the following characteristics:

- when applied to the wax model, they cover and fit the form with **best precision**
- they **tolerate the high temperature of melt metal** and the consequent **thermic shock**

We distinguish among the following type of investments:

- **Phosphatic investments** – for non-precious alloys
- **Gypsum investments** – for precious alloys
- **Rapid investments**
Preparation of investment

• The investment is prepared through vacuum mixing (Mix, Mix-R)

• Special plastic sprue will be attached to the wax pattern and this will be put into the casting ring

• The investment will be poured on the casting ring by means of a vibrator (Miniexport, Midiexport)

• To harden the investment, a burn-out furnace will be used. During heating, the wax will be eliminated and the cavities will be ready to be filled with melt metal. (so called lost-wax technique) (Single, Tris)
Burn-out furnaces

Characteristics of a correct burn-out phase:

- Final temperature will be progressively reached (according to specific heating curve)
- Elimination and removal of wax
- Binding expansion - setting of the investment
- Optimal viscosity of investment
- Gradual cooling of the casting ring
Burn-out furnaces

Single

Specific for rapid investments

Max temperature 999° C
Absorption 1760 W
Waiting pauses to be done manually

Setting of the final temperature

Fume extraction system

Capacity: 5 medium casting rings... or 10 big casting rings in Large version
Burn-out furnaces

Tris

For all types of investments (also titanium-based)

- Maximum temperature 1100°C
- Up to 3 temperature thresholds
- Programmable waiting pauses and heating start
- Electronic timer and display
- LED overview of the heating phase
- Absorption 2800 W
- Self-diagnostic

...also available in LARGE version (10 casting rings) for big labs

Safe and practical control over the whole heating process
1. Preparation of molding plasters
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7. Polymerization and finishing
5. CASTING

The lost-wax technique

Heating provokes **wax sublimation**.
During casting, the metal will flow into the cavities which were filled up with wax.

**Highest precision is required also in this workphase:**

- because the metal requires a specific viscosity
- because casting faults can hardly be corrected ( ! )
Manual or automatic casting

When casting manually, you use a centrifuge to spray metal into the cavities:

Casting torches + centrifugation

...Alternatively, it is possible to use an Electronic casting casting machine which carries out both operations.
Casting

Casting and soldering torches

**Handle + replaceable elements**

**Best flexibility:**

**the customer will choose the right product!**

**For casting:**

- Handle with security valves (optional)
- Ring-shape tips for precious alloys
- Beam-shape tips for non precious alloys

**For soldering:**

- Handle with security valves (optional)
- Short welding lance
- 6 tips and 5 needles for high precision works
Complete electronic control of the whole centrifugation process
Rotojet dispose of some unique features:

- The centrifugation arm is rigid and allows maximum stability.
- Easy balancing (colored marks for each investment type).
- The arm is equipped with an universal casting ring centering system.
Rotojet is not only exclusive, but also extremely practical:

Not only the rotation speed, but also the breakaway acceleration are electronically controlled. This is fundamental for good casting of different alloys.

In case of **high fluidity** of casted alloys (gold, platinum...) → **low acceleration**

In case of **low fluidity** of casted alloys (chrome-cobalt...) → **high acceleration**

**Easy controls:**

- **MOTOR** key: preexcites the motor
- **SPEED** knob: sets the rotation speed
- **ACCELERATION** knob: sets the breakaway acceleration
Automatic casting

TIM 500 PLUS
Induction Casting Machine

Medium frequency: suitable for any alloy

Electronic control:
Induction power
Temperature display
Centrifugation

Heating will be created by molecular frictions within an electromagnetic field

All functions are controlled by a microprocessor.
Automatic casting

TIM 500 Plus – basic model

For a safe and perfect casting

• Flat keyboard
• Visual control of casting
• Prepared for automatic temperature read-out system and Data Recording System

• Safety microswitch for lid opening and closure
• Water cooling system (replace water just twice a year)
Automatic casting

TIM 500 Plus Infrared

Optical pyrometer for the temperature read-out system

- possibility of performing a set of automatic casting under specific parameters
- easier to use – also for relatively unexperienced personnel
- reproducible results
- time economy
Proper accessories are required in order to best handle with the specifications of the treated alloys.

1. Melting interval
2. Specific weight / viscosity
3. Oxidation risk

are essential factors, which influence the treatment of alloys and the choice of the right accessory tools.

Example: the use of Argon and Nertal gas direct on the crucible helps reduce oxidation risks.

Argon-Kit
(can be easily mounted on TIM500 Plus)
Accessories

Crucibles:
an extensive line

- Ceramic crucibles for any alloy
- Zirconia crucibles for any alloy
- Nitride coating crucible for non precious alloys
- Graphite crucible for precious alloys (except Palladium)
- Sintered graphite crucibles: the best ones for high temperatures, **up to 50 castings**
Accessories

Casting rings, Rubber bases

Kit

Isosystem

Special kit for Luciano Valeriano’s technique

Isocil-Isobase

Rubber bases and support plates

Isomat

+ tension absorbing tapes
1. Preparation of molding plasters
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6. SANDBLASTING

DEVESTING SANDBLASTING:
Removal of investment and oxidation layers after casting

RECYCLING BLASTING UNITS

Complete blasting centers (both functions)

FINISHING - MICROBLASTING for polishing, satin-finishing treatments in later workstages

MICROBLASTING UNITS
Sandblasting

Working principle

(Application of the so called Venturi effect)

1. Compressed air is injected into a pipe

2. Compressed air is forced to go through a smaller hole (internal nozzle), thus increasing its speed

3. Compressed air comes out from the hole at very high speed, it expands and a depression is generated.

- The depression sucks up the abrasive from the tank
- The abrasive powder mixes with compressed air inside the projector

Compressed air and abrasive come out of the external nozzle = Blasting jet
Health risks and solutions

Dust generated during blasting are dangerous and inhalable:

a good dust extraction system is essential

W.A.F.I.S Water Air Filtering System

End result: **99,8 % of dust particles will be eliminated**

*(tested by Turin University, Institute for Hygiene)*
W.A.F.I.S.: for a full protection

1. **Compressed air** is forced into a plastic pipe: a depression originates and sucks up the dust.
2. **Water is sprayed** on the dust particles, so that they are captured.
3. **The process ends** into the water tank.

**ADVANTAGES:**

- it is a **static system** (no motor, no dynamics, no external suction system): therefore, it is easy to maintain – **only water is used**
- it is the **only dust absorbing system** which ensures an almost 100% elimination of dust particles
- it has an important **price advantage** with respect to other traditional dust suction systems.
Sandblasting

**W.A.F.I.S.:** for a full protection

This exclusive system can also be mounted on sandblasters of other brands.

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**W.a.f.i.s. Pneumatic version** can be connected to any blasting system and is actioned manually.

**W.a.f.i.s. Electric version** can be connected to any blasting unit with a free electric plug for additional services. It starts automatically.

**W.a.f.i.s. Built-in version:** for Dentalfarm-blasting units with specific intake.
Recycling sandblasters Oro

Compact and basic recycling sandblaster for devesting and removal of investment

Nozzle 3.0 or 3.5mm on demand – for skeleton prosthetics

Connection for WAFIS-System

For devesting, corundum is normally used, because:
- it has a high abrasive capacity
- allows fast and good results
- it helps you save abrasive (because of recycling method)
Recycling sandblasters

**Oro** WITH FOOT CONTROL AND PRESSURE GAUGE

A quality sandblaster for the everyday work

- even more comfortable and practical (Foot control)
- adjustable air pressure
- the **air filter** cleans the injected air coming from the compressor and ensures better performance.
Recycling sandblasters

Base A1072

Optimal performance and ergonomics the right choice for Jewellery Labs

- larger blasting chamber
- recycling system only (NO TANKS)
- nozzle 3,0 mm
- foot control
- air filter
- pressure gauge
Microblasting

Working principle (no recycling)

1. The **disposable** abrasive powder is stored in a tank (**Modulo**)
2. Compressed air is injected into the tank
3. Abrasive particles will be lifted up
4. Air will be conveyed into a cannule and finds its way down the rod, where it mixes with abrasive at the base of the tank

**RISK**
Microabrasive are very sensitive to humidity and they tend to absorb external contaminations

**SOLUTION**
To ensure best performance, the abrasive must be **perfectly dry and fluent**
Microblasting

Exclusive solutions

D.O.S.
Dry Oxide System

Abrasive will be warmed up
by means of a resistance
→ Humidity will be eliminated
→ abrasive can keep optimal fluidity and pickling power
→ this system allows you to save microabrasive!

EASY
INJECTION TECHNOLOGY

The pneumatic circuit:
→ releases pressure in the tank
→ stops the jet instantly
→ it is not a mechanical pinch
Complete blasting centers

MATIC

**Automatic blasting:**
- With fixed projector
- Rotating basket
- Timer

**Manual blasting:**
- with movable projector

**Microblasting functions (optional)**

Prepared for 1/2 additional tanks D.O.S. + Q.D.V.
(Microblasting nozzle 0.8mm) + WAFIS-connection
Complete blasting centers

MATIC

An equipment for high working loads and a wide variety of treatments

• Selector of blasting functions: **up to 4 blasting modes**!

• **Exclusive**: the only automatic sandblaster which can be transformed into a complete blasting center

• Treatment of any alloy (Co-Cr, Steel), Specifically for skeleton prosthesis

• Foot control and pressure reduction unit
Complete blasting centers

BASE 2

Compact 2-function sandblaster

2 blasting functions (1 + 1)

Movable devesting projector

easy to use and to maintain

Instant stop included: alike Renfert IS models

Abrasives to be used:
50my to 250my
Complete blasting centers

BASE 3

Ergonomic – efficient – competitive

3 blasting functions (1 + 2)

Instant stop included: alike Renfert IS models

Movable devesting projector

Abrasives to be used: 50my to 250my

easy to use and to maintain
Complete blasting centers

BASE EVOLUZIONE

An efficient multi-function sandblaster

2 standard tanks – upgradable to 3 or 4

Instant stop + Easy Injection system

Movable devesting projector

Air blower + foot control
Complete blasting centers

BASE D.O.S.

A top class sandblaster for best performances

2 standard tanks with D.O.S. =

The abrasive is perfectly dry

Upgradable to 4 tanks (with or without DOS)

Instant stop + Easy Injection system

Movable devesting projector

Air blower + foot control
Microblasting Units

More about microblasting

OBJECTIVES:

• Mechanical pickling

• Satin-finishing treatments on metals and alloys

• Preparation of the retention surface before application of ceramic and resin

localized, precise blasting jet

steady abrasive/air mixture and erogation

low abrasive consumption
Microblasting Units

MICRA 2

The evolution of ergonomics

2 EASY tanks = 2 microblasting functions

- Wide working chamber
- Perfect for working either seated or standing
- Double connection for extraction system
- EASY injection technology
- Excellent value for money
Microblasting Units

MICRA ranges

New concepts and enhancements

2 Tanks with instant stop +
1 or 2 optional tanks

Microprojector holders with ideal inclination
Double connection for extraction units
Easy access to pneumatical connections
„Verticality“ helping to keep a correct posture
Working with MICRA, your neck and trunk are keeping a correct posture, without being unnaturally constrained.
Microblasting Units

MICRA Evoluzione

Upgradable to 3 or 4 tanks

2 tanks + 1 or 2 optional tanks

Ideal to handle with a great variety of finishing blasting media
MICRA D.O.S.

Upgradable to 3 or 4 tanks with Dry Oxide System

2 standard tanks +
1 or 2 optional tanks

Dry Oxide System:
→ humidity will be eliminated
→ abrasive can keep optimal fluidity and pickling power

Add-on tanks can be with or without D.O.S. heating system
Microblasting Units

Pressure Blaster - Pencil Blaster

Ideal for the Dental Cabinet

Microblasting units for smaller treatments
Air filter, pressure gauge and foot control

JUMBO-version: with larger tanks (1,5kg)

Maximum visibility – minimum space requirement

Ideal in combination with KASKO

(useful also when using turbines und micromotors)
Abrasives line

Corundum and Glassbeads (recyclable)

**Corundum** (5- or 25-Kg pack):

- **CROMCOR** Grainsize 36 for Cr-Co and steel
- **OROCOR** Grainsize 46 for not precious alloys
- **SUPERCOR** Grainsize 60 for precious alloys

**OROBLAST Glassbeads**

200 micron – for satin-finishing
Abrasive line

Aluminium oxide and Microbeads

For surface finishing treatments

Aluminium oxide

Grainsize 60, 120 for composites
Grainsize 150, 180 for ceramic and resin
Grainsize 270 for ceramic

Microbeads

MICROBLAST 90my
MICROFINE 50my extra fine
1. Preparation of molding plasters
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6. Sandblasting
7. Polymerization and finishing
6. Polymerization and Finishing

Wax, resins and composites used in the final phases of work must be polymerized by means of polymerization, these substances harden, getting molecular compactness.

For light-curing substances, polymerization is provoked by UV or IR rays. For these purpose, dental technicians use special “ovens”:

POLYMERIZATION FURNACES
Polymerization units

Photopol Light

- 4 UV lamps
- 2 powerful UV Spots
- Wide UV-spectrum from 320 to 550 nm
- Software for programming heating times and operating modes

4 UV lamps
2 UV spots
Lamps + spots
WHY VACUUM?

- higher compactness of the final composite
- elimination of dispersion layer
- minimum possibility of fracture
- faster handling during final finishing (sandblasting) and individualization
Polymerization units

Photopol Plus IR UV

- 4 UV-lamps
- 2 UV Spots for faster treatments
- 1 infrared source

Safety devices and large heating chamber

Working modes:
- 4 UV lamps
- 2 UV spots
- IR source

Prepared for all accessories
Polymerization units

Photopol Vacuum

4 UV-lamps
2 UV Spots

Incorporated vacuum pump and bell-jar

WORKING MODES:
4 UV lamps
2 UV spots
IR source
Vacuum controls
Polymerization units

LC-TRAY
Light-curing Box

Wide range of applications
• individual trays
• bases for dentures
• occlusal blocks, bite plates
• telescopic crown technique

Timer mode (180 s)
or no-time-limit mode

highly reflectant interior walls
UV-spectrum 380 nm
(blue-violet light)

Light-curing composite for casting forms
Hydraulic press - flasks

Equipment used to press the model into the muffles

RESULT: models will be perfectly compact

Press

*Oleodynamic* press for 3 clamps

Pressure: 400 bar / 15,000 Kg

Easy maintenance

Clamp for 1 or 2 flasks

Self-clamping flask

4-parts-modular flask
After these final steps, the model will be ready…

the technician’s work comes to an end…

…and now it’s your turn!

You are now able to propose our product line to your customers …!
www.dentalfarm.it

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