



Systems and materials for dental laboratories



simplifying



your working life



With 50 years' experience in dentistry, Bien-Air Medical Technologies offer a range of solutions and products which are renowned worldwide for their excellent quality. 100% Swiss Made, Bien-Air products are designed and manufactured at the heart of the famous Watch Valley, a region famed for its unique expertise in microtechnology. Renowned for its implantology systems and handpieces, Bien-Air is also the largest global manufacturer of superior class micromotors for dentistry.

Our products have been developed directly from the daily work of professionals practising in dental and surgical fields. The constant innovations emerging from this close collaboration greatly improve the quality, fluidity and safety of dental treatments and surgical procedures. Our customers testify daily to the high quality, reliability and precision of our products. They are made to simplify your working life. For a long time.

CAD-CAM high-performance,



The specialists from the Bien-Air Laboratory have developed a CAD/CAM system designed to meet the most demanding requirements.

The system comprises a scanner (Scan200), 2 software packages for design and machining strategies (DentCad and DentMill) and a CNC machine tool (Mill200), which are all computer-controlled*. Bien-Air Laboratory provides a range of ten prosthetic materials to meet all the needs of modern dental laboratories. These materials are certified and conform to the laboratories expectation. All our equipment and materials offer

the quality, versatility and ease-of-use which have earned Bien-Air its reputation worldwide.

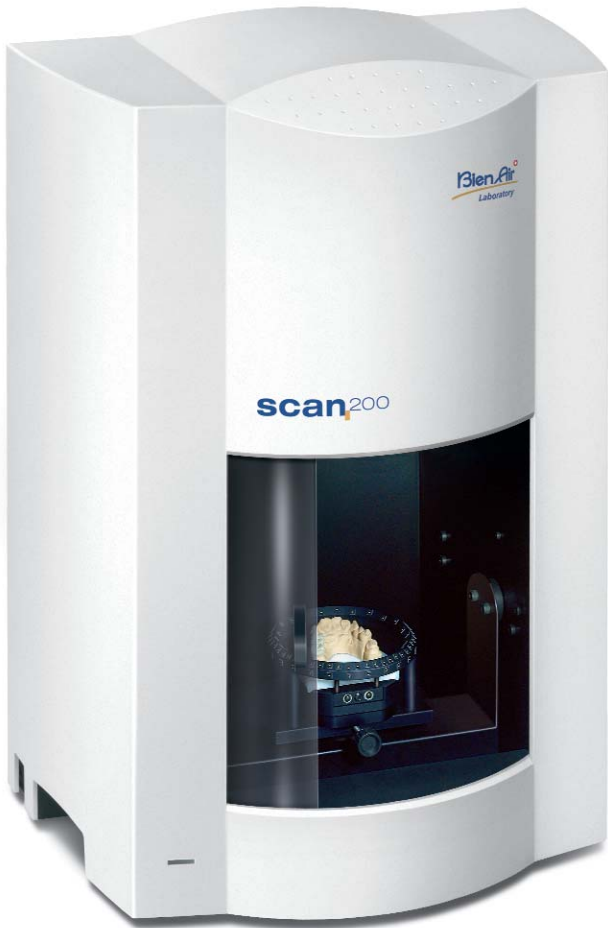
The advantages of the Bien-Air CAD/CAM system:

- easy-to-use
- high quality results
- versatile
- quick machining
- wide choice of materials
- compact design perfect for laboratories
- no dust emitted
- upgradable software
- open system (STL)

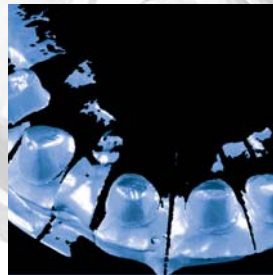
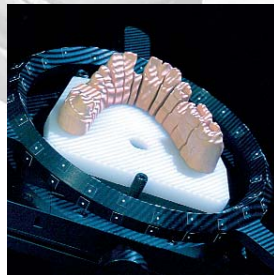
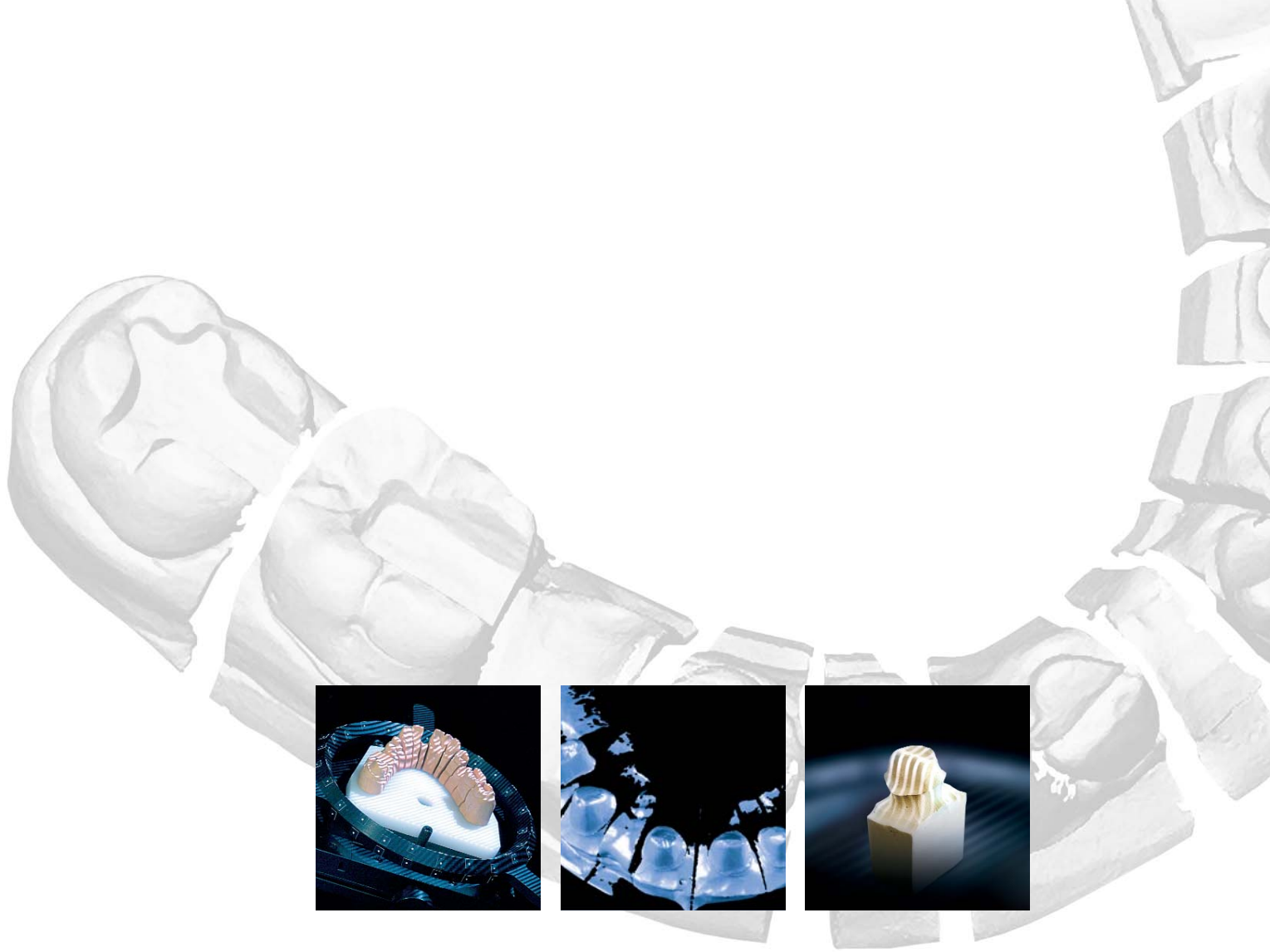
profitable solutions

Systems	Mill200	Mill300
Inlays / Onlays / Veneers	•	•
Single Crowns	•	•
3-unit bridges	•	•
4-unit bridges	•	•
5-unit bridges up to	14 elements	14 elements
Inlaybridges	-	•
Marylandbridges	-	•
Telescop Crowns	-	•
Implant-Abutments	-	•

*Delivered configuration: T3400 525W Intel Core 2 Duo E6850 @ 3.00 Ghz - 4GB DDR2 SDRAM - 19-in-1 Media Card Reader 500GB Hard Drive - 16X DVD+/-RW - 20 inch Dell UltraSharp 2007FP screen



Scan200
welcome to a



world of excellence

To obtain a quality prosthetic, you need to start with good quality scan of the impression.

The new Bien-Air Scan200 scanner offers you the best in industrial technology right from the very start of the process and is surprisingly easy to use.

It can scan impressions from a single element to a full arch.

The steel frame of the Scan200 guarantees it remains perfectly stable during scanning.

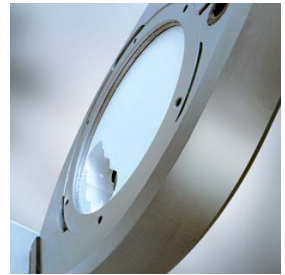
This means that it offers unrivalled levels of precision and clarity, showing the most minute detail. Its ultra-precise drive mechanism allows for great freedom of movement, creating perfect images, with no hole or dead zone.

The Scan200 guarantees optimum scanning precision of up to 16 elements at a time.

The powerful processing program on the Scan200 is easy-to-use.

Specifications:

- indications: crown, inlays, bridges, veneers, wax-up and checkbite
- can scan from a single element to a full arch at a time
- scan surface: 100 mm diameter
- white light technology (structural light)
- 2 high resolution cameras
- high precision
- noise level below 5 microns
- speed: 60 to 90 seconds per element
- autocalibration: 30 seconds
- multi-die option
- outer dimensions in mm:
L 450 x H 630 x W 300
- weight: approx. 22 kg



technology and
Mill200



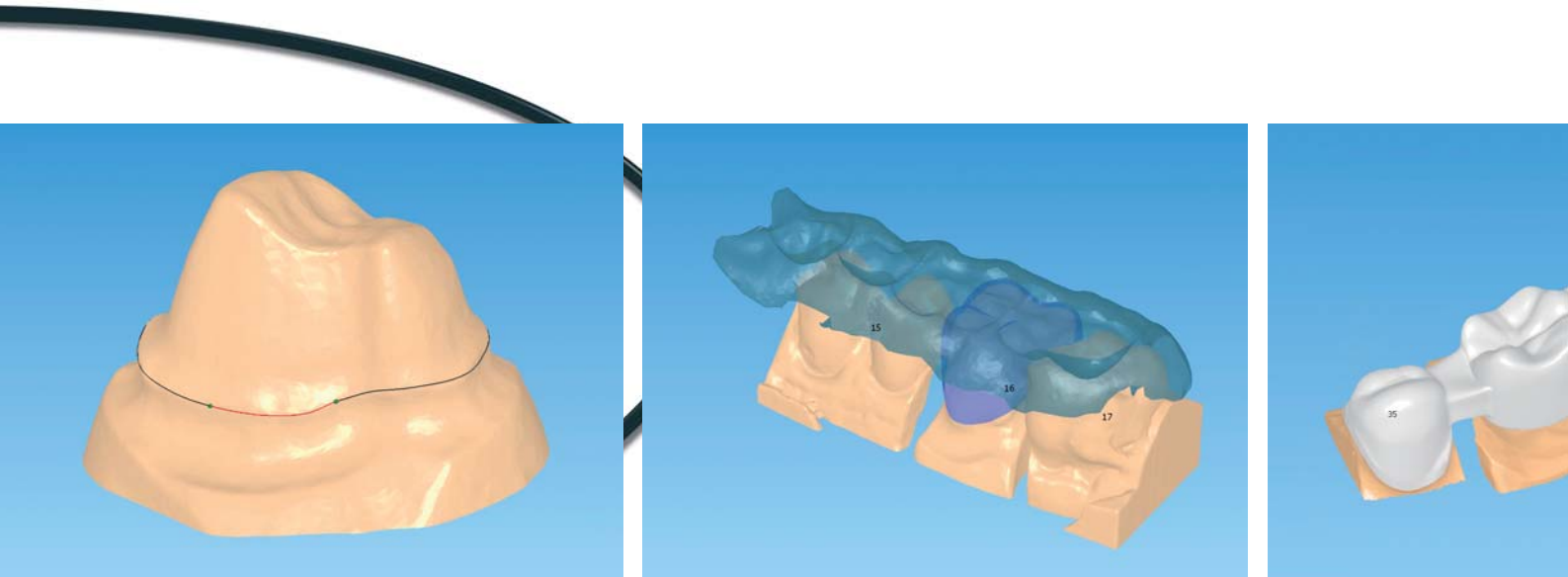


ingenuity combined

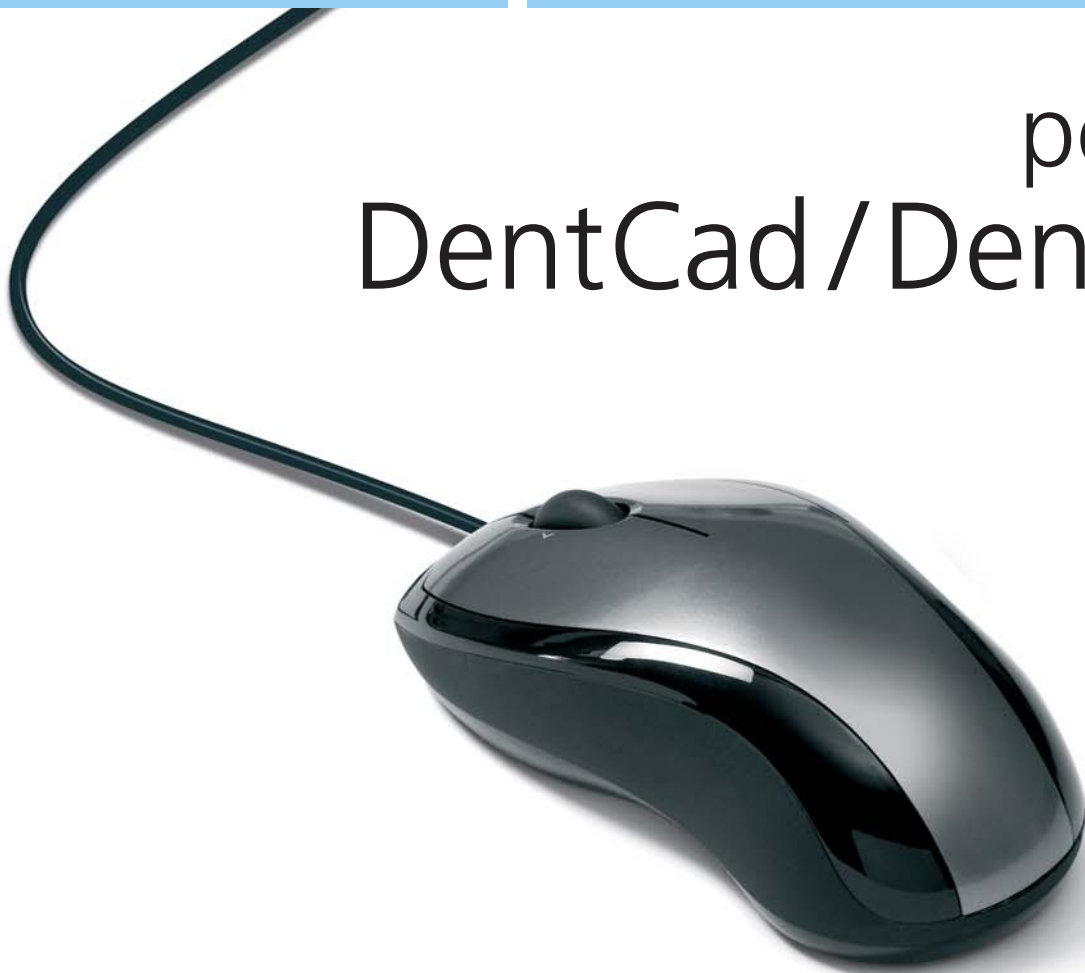
Bien-Air Laboratory presents its new compact Mill200 machine centre. This 100% Swiss made machine combines technology and ingenuity to rival the top industrial CNC machines. The Bien-Air Mill200 machine centre is connected directly to the CAD/CAM computer and receives ISO files. Featuring ball screws coupled to the motor shafts (controlled by encoders with an accuracy of 2048 steps per revolution), the machine offers outstanding precision (to the micron) in the repetition of the positioning. Its grey cast iron structure absorbs most vibrations. The vertically-positioned material holding vice allows chips and dust to be extracted downwards. The service life of these tools is longer and the precision of machining has been further improved. The linear movements of the high precision recirculation ball slide rails are also designed to be long-lasting.

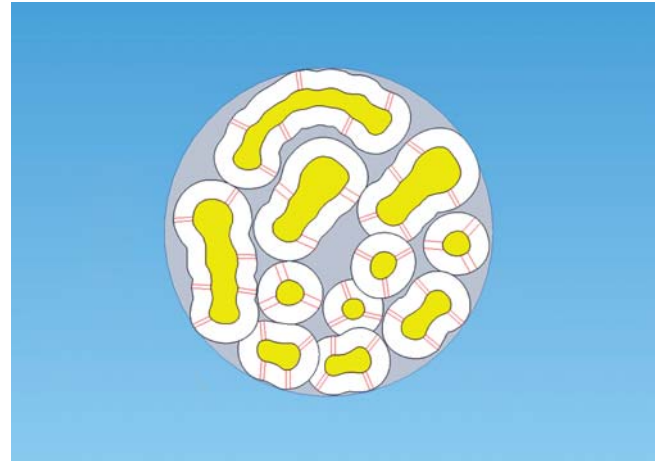
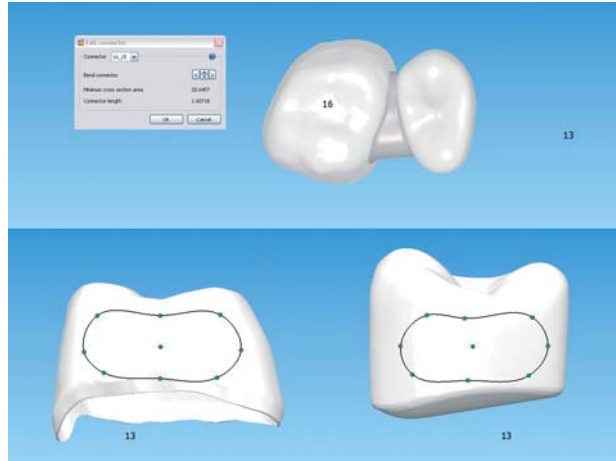
Specifications:

- effective machine volume:
blanks \varnothing 90 mm x d 20 mm
- spindles: 2 x \varnothing 38 mm
- clamp: ER16, \varnothing 10 mm max.
- motor speed: 300 - 25,000 rpm, 0.45 kW, fluid-cooling
- automatic measurement of length of tool
- travel X: 255 mm, Y: 150 mm, Z: 100 mm
- fast forward 10 m/min
- min. resolution 0.001 mm
- pneumatic turning of material, 180°
- integrated digital control
- electronic knob controlling movement of the linear axes, resolution 1 μ m
- ISO language programming
- SD card reader for loading and storing programs
- electrical connection: 230 V/50 Hz
- pneumatic connection: 5 bar
- dimensions in mm: L 800 x H 700 x W 800



powerful,
DentCad / DentMill





simple and intuitive

DentCad (CAD)

DentCad is a powerful processing program which allows you to design copings quickly and intuitively, generating truly professional results. Its full graphic user interface is very attractive.

Specifications:

- simple to use, graphic user interface
- simplified and automatic anatomic design of copings and bridges
- preparation line management
- cement space adjustment
- coping shape modification
- full library of tooth models
- fully customisable

DentMill (CAM)

The product of 25 years' experience, DentMill offers essential functions enabling you to configure and control the machine programming and operations. The optimum machine programmes are automatically recommended to you. As DentMill is so simple to use, there is no need for any prior CAM experience. You will be amazed at the results of the DentMill. The surface finish is of such a high quality that most hand finishing work is not necessary.

Specifications:

- Simple to use, graphic user interface
- Preset machine programmes
- No CNC experience necessary
- Optimised use of material (nesting)
- No limit to number of elements
- Compensation for the shrinkage coefficient can be configured (thermal treatment).



A solution to

Prosthetic materials

Zirconium oxide	DC-Zirkon®* The best ceramic (HIP Zircone)	Long-span bridges The best performance in the long-term
	DC-Zirkon®* col. Coloured zircone CC (HIP Zircone)	Long-span bridges The best performance in the long-term
	DC-Shrink® «Green» zircone oxide	Individual coping and small bridges To be sintered in the laboratory
	DC-Leolux®* The competitively-priced zircone oxide	Bridges up to 3 elements Great performance at an affordable price
Aluminium oxide	DC-Procura®* Aluminium oxide optimised for CAM	Individual coping Affordable and attractive
Dental ceramics	DC-Cristall®* The translucent ceramic	Individual coping, surprisingly transparent
	DC-Cream®* The ceramic which matches tooth colour	Individual compact caps, with an infrastructure which matches tooth colour
Metals	DC-Titan® The light metal	Pure titanium, biocompatible, radiolucent, good support for ceramics
	DC-Croco®* The alloy developed for CAD/CAM	A proven cobalt chrome alloy
Synthetic materials	DC-Tell® The high-performance synthetic material	Bridges with a single intermediate element Long-lasting temporary bridges and permanent work
Cire fraisible	DC-Cast® The millable «wax»	No shrinkage for long spans Quick construction of long-span bridges
Recommended adjuvants	DC-Liner Gives zirconium oxide infrastructures a fluorescence similar to that of the teeth. Ideal surface for to apply veneer.	
	DC-Cor Thermoplastic paste for correcting steps with zirconium oxides.	
	Zirkon-Fix The adhesive for fixing works in zirconium oxide.	

* Only used with the Mill 300 (since IDS 2009)

meet all your needs

Bien-Air Laboratory offers a range of certified prosthetic materials renowned for their high quality features. The Bien-Air range offer made-to-measure solutions for all requirements, ranging from "low cost" temporary materials to the essential DC-Zirkon, renowned for its aesthetic qualities, high mechanical resistance and ease of machining.

Our materials have been developed in collaboration with different international institutions and universities. As a result we have developed materials with a fine, homogenous structure whose unique characteristics enable exceptional quality machining to be carried out more quickly.





Precision,



Pneumatic stations for dental turbines

Extremely simple and robust in design, these Bien-Air pneumatic systems have become the tools of choice for ceramic and prosthetic specialists worldwide. In particular, they incorporate TD turbines which are celebrated as the best in their class. With a rotation speed of 300,000 rpm, they are perfect for delicate and precise work. They work marvellously on ceramic and zirconia. The station precisely controls and adjusts the pressure of the turbine and is equipped with an on/off control, operated by foot pedal.

The foot pedal also controls the operation of the TDS 890 turbine spray. A unique dust shield contributes to its long service life. Bien-Air Laboratory pneumatic stations are available in a table version (S001), a table version with spray (STS Trimmer), or a wall-mounted version (SF811).

Specifications:

- speed of 300,000 rpm.
- fail-safe reliability
- can be used with ceramic and zirconia

finesse and versatility

PROLAB Basic

Control for dental surgeries

Using the most powerful micromotor available on the market for laboratory use (MX micromotor), the perfect concentricity of movement offered by our PROLAB Basic station makes it stand out from the competition. It enables high precision work, with no vibration. The PROLAB station is the perfect tool for rough-machining plaster models, metalwork and surface treatments. You'll never look back.

Specifications:

- speed adjusted by thumb wheel from 1,000 to 40,000 rpm.
- reverse direction of rotation and speed limitation
- overheating indicators.
- self-ventilated, easy to handle and robust motor
- type E coupling as per ISO 3964 - the most common worldwide

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