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## HE GAVE ME BACK MY SMILE

I closed my eyes, breathed in the fresh air. With the deepest sense of well-being and confidence that only the happiest moments bring.

I thought about my day again and surprised myself by smiling, for no particular reason, at the slightest thing.

I've every reason to smile.





MY PATIENTS AND I  
EXPECT THE SAME THING:  
THE VERY BEST

It's true, I'm demanding. Perfection motivates me, while beauty inspires and revitalizes me. I love elegance and simplicity, often synonymous with life's unforgettable experiences. In both my personal and professional life, I always strive to do better, to create more beauty, to give sense to the simplest things. Every day, my instruments help me to achieve this.



## TECHNOLOGIES AND INSPIRATION

A world leader at your service for over 50 years

Producing the best instruments to simplify the work of practitioners and constantly improve patient comfort. This has been Bien-Air's mission since its creation in 1959.

Ergonomics, precision and reliability are at the core of the development of every new product. Paying careful attention to professionals every day, Bien-Air has made numerous innovations, always setting the bar higher. A true culture of excellence sitting perfectly with the tradition of Swiss Made products from the renowned Watch Valley.

Our promise for the future is to continue to innovate, to offer you the most advanced and most reliable instruments. Facilitating your work, day in, day out. For the comfort of your patients.





## WELCOME TO A WORLD OF EXCELLENCE



### LED QUALITY

Unrivalled light. Bien-Air is setting new standards. For its LED light solution, Bien-Air has gone to great lengths to combine the best components available with application techniques to guarantee unique levels of performance and reliability. Bien-Air LED lighting offers unmatched working comfort. Intensity can be adjusted from 0 to 38,000 lux. It significantly improves visibility of the working area and diffuses a perfectly white and natural light.

For sterilizable instruments, the perfect encapsulation of the LED in sealed optical glass guarantees its resistance to hundreds of autoclave cycles. The absence of infra-red emission prevents the instrument or motor from overheating.



### BLACKLINE

Light, slim and ultra-resistant: Blackline handles made from vacuum-molded carbon fiber have set a new technological standard. The carbon fiber is 3 times lighter than titanium ( $1.8 \text{ g/cm}^3$ ) and will withstand 10,000 sterilization cycles leaving no signs of deterioration. Free from porosity, BLACKLINE handles guarantee perfect hygiene and grip and great dynamic stability, even with repeated sterilization. As well as offering you unrivalled comfort, BLACKLINE instruments will retain their pristine appearance over a very long period.



### CERAMIC REVOLUTION

Longer service life, greater precision. Less noise, less vibrations. Superior-quality Bien-Air ball bearings, made from silicon nitride (ceramic), are in a class of their own thanks to their significantly reduced wear compared with traditional bearings. Furthermore, they are able to withstand high temperatures, are resistant to corrosion and offer electrostatic insulation, while remaining the lighter option. CERAMIC REVOLUTION. For extreme performance.



### ACCU-CHUCK

The precision of the practitioner's movements must be relayed to the patient with no interference of any kind. This is why it is so important that your instrument is as precise as possible. The locking and drive technologies in Bien-Air's rotary instruments are the most precise on the market. And this is not by pure chance. The unique procedures illustrate the Swiss quality which has earned Bien-Air its credentials and reputation: parts machined to the exact micron, rectified and honed, for enhanced reliability and reduced noise levels. This gives the instruments perfect equilibrium, free from any imbalance or vibration. Their unique precision and reliability will make them indispensable. And an additional advantage - your burs will last longer.





**SMART LOGIC**

With the benefit of Bien-Air's SMART LOGIC technology, enjoy the most precise control ever obtained with a micromotor. Cutting-edge electronics control the micromotor's torque and rotation speed to perfection, even at very low speed. An additional guarantee of reliability, the SMART technology controls the micromotor's rotation despite the absence of any sensors.  
SMART LOGIC. The best of Swiss engineering.



**DUALOOK LIGHTING**

DUALOOK is exclusive to Bien-Air. In addition to being rugged under all conditions, the two glass fiber rods provide an enveloping, non-dazzling light. Its two offset sources allow you to see depth clearly and accurately. Areas in shadow are virtually eliminated from the working area, including in front of the bur. What if your car only had one headlight?  
DUALOOK: the best lighting on the market.



**ACCU-SPRAY**

Research conducted by Bien-Air engineers has clearly demonstrated the superior cooling power of six separate air and water nozzles. With the ACCU-SPRAY system, the air disperses the water to a highly precise point before contact with the bur. The ultra-precise nebulization this provides cools the bur and the dental material as efficiently as possible. It also guarantees perfect visibility of the working area. The separate water and air ducts also prevent blockages.



**COOL TOUCH  
ANTI-HEATING PUSH-BUTTON**

Bien-Air is the only manufacturer in the world to offer a push-button bur change mechanism with an anti-heating safety system. This reduces the risk of burning your patients with the head of your instrument. A tungsten carbide ball is placed between the push-button and the top of the housing of the tool's bur locking mechanism. It absorbs heat in the event of contact when rotating.  
COOL TOUCH. An exclusive invention for your comfort and your patients' safety.



## A TRADITION OF INNOVATION AND EXCELLENCE

The most advanced technology, the most refined ergonomics: Bien-Air turbines have always been characterized by this perfect balance. The new line of Blackline turbines in carbon fiber and with LED light provide the most perfect example of this. In creating the Blackline range, Bien-Air is perpetuating a tradition of innovation and high technology. Indeed, our company invented the first reliable turbine in history way back in 1959. A succession of revolutionary innovations followed: the first push-button bur change mechanism, air bearing technology, the first quick-connect coupling connection, and many others are amongst our extensive list of achievements. These innovations have always contributed to making our turbines unique. Bien-Air turbines are on the cutting edge.

## TURBINES



# BORA TURBINES



Imagine a high-performance instrument so incredibly light and fine, yet sleek and strong. Inspired by the latest technological advances in the most demanding fields such as aeronautics, sailing and competitive sports, the Blackline Bora incorporates a carbon fiber handle.

Incredibly powerful, robust and reliable, Bora turbines boast the very best of Bien-Air technology. They guarantee impeccable hygiene thanks to the Sealed Head air non-return valve and perfect nebulization with the three separate Accu-Spray air/water sprays. Finally, they have the Cool Touch push-button bur locking mechanism which reduces heating. An additional comfort your patients are sure to appreciate.

Bora turbines are available in Blackline or in the classic version, available with DuaLook LED light or without light.



## BLACKLINE

Light, slim and ultra-resistant: BLACKLINE handles made from vacuum-molded carbon fiber have set a new technological standard.



## LED QUALITY

Bien-Air is setting new standards in the field of LED lighting. Adjustable intensity from 0 to 38 000 lux, perfectly white and natural light, service life up to 10 times longer than that of a traditional bulb, no heating, exceptional resistance to sterilization.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-SPRAY

Cooling with six separate air and water nozzles. The ultra-precise nebulization this provides cools the bur and the dental material as efficiently as possible.



## CERAMIC REVOLUTION

Longer service life, greater precision. Less noise, less vibrations. Superior quality Bien-Air ceramic ball bearings. For extreme performance.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## COOL TOUCH

Push-button with an anti-heating safety system. This reduces the risk of burning your patients with the head of your instrument. For your comfort and your patients' safety.



## SEALED HEAD

In combination with the anti-return valve, a Teflon® lip prevents any residues or contaminants entering the instrument. Enhanced hygiene and reliability.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.

## BORA TURBINES WITH LIGHT



### Bora L Blackline

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600637-001



### Bora L Blackline + 4-way Unifix set

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with a non-return valve on the air exhaust

Ref. 1700303-001



### Bora L

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600638-001



### Bora L + 4-way Unifix set

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with a non-return valve on the air exhaust

Ref. 1700305-001



Non-sterilizable couplings.

**BORA TURBINES WITH LIGHT**



**Bora L**

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600382-001



**Bora L + 4-way Unifix set**

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with a non-return valve on the air exhaust

Ref. 1700189-001



**Bora LK**

320,000 rpm, 3 bars, 3 sprays, push-button bur locking, fast, rotating connection for MULTiflex® Kavo® coupling. Coupling not supplied.

Ref. 1600155-001



Non-sterilizable couplings.

**BORA TURBINES WITHOUT LIGHT**



**Bora**

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600381-001



**Bora L + 3-way Unifix set**

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, with 3-way Unifix coupling

Ref. 1700187-001



**Bora + 4-way Unifix set**

320,000 rpm, 2.7 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, with 4-way Unifix coupling

Ref. 1700188-001



# PRESTIGE TURBINES

The perfect complement to a Bora turbine. The smaller head size of the Prestige turbines make them ideal for delicate work. They are particularly noteworthy for their lightness and ease of handling. Prestige and Bora make perfect partners for a wide range of restoration work.

Prestige turbines are quieter than ever. They guarantee perfect nebulization due to the three separate Accu-Spray air/water sprays. Finally, they have a Cool Touch push-button system which reduces heating. An additional comfort your patients are sure to appreciate.

Prestige turbines are available in Blackline or in the classic version, available with DuaLook LED light or without light.



## BLACKLINE

Light, slim and ultra-resistant: BLACKLINE handles made from vacuum-molded carbon fiber have set a new technological standard.



## LED QUALITY

Bien-Air is setting new standards in the field of LED lighting. Adjustable intensity from 0 to 38 000 lux, perfectly white and natural light, service life up to 10 times longer than that of a traditional bulb, no heating, exceptional resistance to sterilization.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-SPRAY

Cooling with six separate air and water nozzles. The ultra-precise nebulization this provides cools the bur and the dental material as efficiently as possible.



## CERAMIC REVOLUTION

Longer service life, greater precision. Less noise, less vibrations. Superior quality Bien-Air ceramic ball bearings. For extreme performance.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## COOL TOUCH

Push-button with an anti-heating safety system. This reduces the risk of burning your patients with the head of your instrument. For your comfort and your patients' safety.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.

## PRESTIGE TURBINES WITH LIGHT



### Prestige L Blackline

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600640-001



### Prestige L Blackline + 4-way Unifix set

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with a non-return valve on the air exhaust

Ref. 1700304-001



### Prestige L

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600641-001



### Prestige L + 4-way Unifix set

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with a non-return valve on the air exhaust

Ref. 1700306-001



Non-sterilizable couplings.



## PRESTIGE TURBINES WITH LIGHT



### Prestige L

335,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600380-001



### Prestige L + 4-way Unifix set

335,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with a non-return valve on the air exhaust

Ref. 1700184-001



## PRESTIGE TURBINES WITHOUT LIGHT



### Prestige

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600379-001



### Prestige L + 3-way Unifix set

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, 3-way Unifix coupling

Ref. 1700185-001



### Prestige + 4-way Unifix set

315,000 rpm, 3.2 bars, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, with 4-way Unifix coupling

Ref. 1700186-001



# GYRO TURBINES



Gyro turbines have a long service life. A very long service life. Their secret lies in their world-exclusive air bearings. These significantly reduce contact between moving parts thus guaranteeing minimal wear. This makes them almost maintenance-free. A particular feature of Gyro turbines is their ultra-high rotation speed. This is the ideal turbine for work requiring control and dexterity.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-SPRAY

Cooling with six separate air and water nozzles. The ultra-precise nebulization this provides cools the bur and the dental material as efficiently as possible.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.

## GYRO TURBINES WITH LIGHT SCREW CHUCK



### Gyro L

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, screw chuck, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

Ref. 1600378-001



### Gyro L + 4-way Unifix set

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, screw chuck, water anti-retraction valve, fast, rotating connection, with 4-way electric powered Unifix coupling fitted with an air non-return valve

Ref. 1700190-001



**GYRO TURBINES WITHOUT LIGHT  
SCREW CHUCK**



**Gyro**

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, screw chuck, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

**Ref. 1600377-001**



**Gyro + 3-way Unifix set**

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, screw chuck, water anti-retraction valve, fast, rotating connection for Unifix 3-way quick-connect coupling

**Ref. 1700193-001**



**Gyro + 4-way Unifix set**

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, screw chuck, water anti-retraction valve, fast, rotating connection for 4-way Unifix quick-connect coupling

**Ref. 1700194-001**



**GYRO TURBINES WITHOUT LIGHT  
FRICTION GRIP (FG)**



**Gyro FG**

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, friction grip (FG), water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling

**Ref. 1600376-001**



**Gyro FG + 3-way Unifix set**

Turbine with air bearings, 470,000 rpm, 3.7 bars, 3 sprays, friction grip (FG), water anti-retraction valve, fast, rotating connection, with 3-way Unifix coupling

**Ref. 1700191-001**



**Gyro FG + 4-way Unifix set**

Turbine with air-bearings, 470,000 rpm, 3.7 bars, 3 sprays, friction grip (FG), water anti-retraction valve, fast, rotating connection for 4-way Unifix coupling

**Ref. 1700192-001**



# BORALINA, PRESTILINA AND GYROLINA TURBINES



Economical turbines offering unrivalled value for your money. Although they offer the same features of power and delicacy as their big cousins, they boast a simplified design with 1 separate air/water spray and without a light. They connect to a Bien-Air Unifix quick-connect coupling.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.



## FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.

## BORALINA TURBINES WITHOUT LIGHT

Quality and long service life at a competitive price. Boralina is a simplified version of the Bora turbine, without a light and with one spray. Designed along the same lines as its big cousin, it is remarkably powerful and rugged. Instrument changing could not be simpler, thanks to the Unifix quick-connect coupling.



### Boralina

310,000 rpm, 2.7 bars, 1 spray,  
push-button bur locking, fast, rotating connection  
for Unifix coupling

Ref. 1600373-001



### Boralina + 3-way Unifix set

310,000 rpm, 2.7 bars, 1 spray,  
push-button bur locking, fast, rotating connection  
with 3-way Unifix coupling

Ref. 1700200-001



### Boralina + 4-way Unifix set

310,000 rpm, 2.7 bars, 1 spray,  
push-button bur locking, fast, rotating connection  
with 4-way Unifix coupling

Ref. 1700201-001



## PRESTILINA TURBINES WITHOUT LIGHT

Quality and long service life at a competitive price. Prestilina is a simplified version of the Prestige turbine, without a light and with one spray. Designed along the same lines as its big cousin, it is remarkably accurate and easy to handle. Instrument changing could not be simpler, thanks to the Unifix quick-connect coupling.



### Prestilina

410,000 rpm, 2.5 bars, 1 spray,  
push-button bur locking, fast, rotating connection  
for Unifix coupling

Ref. 1600372-001



### Prestilina + 3-way Unifix set

410,000 rpm, 2.5 bars, 1 spray,  
push-button bur locking, fast, rotating connection  
with 3-way Unifix coupling

Ref. 1700198-001



### Prestilina + 4-way Unifix set

410,000 rpm, 2.5 bars, 1 spray,  
push-button bur locking, fast, rotating connection  
with 4-way Unifix coupling

Ref. 1700199-001



Non-sterilizable couplings.

## GYROLINA TURBINES WITHOUT LIGHT

Quality and long service life at a competitive price. Gyrolina is inspired by the Gyro turbine. Of simpler design, it has one spray and no light. It nevertheless offers the same advantages: minimal parts wear and maintenance. Instrument changing could not be simpler, thanks to the Unifix quick-connect coupling.



### Gyrolina

Turbine with air bearings, 440,000 rpm, 3.7 bars, 1 spray, friction grip (FG), fast, rotating connection for Unifix coupling

Ref. 1600371-001



### Gyrolina + 3-way Unifix set

Turbine with air bearings, 440,000 rpm, 3.7 bars, 1 spray, friction grip (FG), fast, rotating connection, with 3-way Unifix coupling

Ref. 1700202-001



### Gyrolina + 4-way Unifix set

Turbine with air bearings, 440,000 rpm, 3.7 bars, 1 spray, friction grip (FG), fast, rotating connection, with 4-way Unifix coupling

Ref. 1700203-001



Non-sterilizable couplings.



# EOLIA B TURBINE



Powerful, light, easy to handle. The Eolia B turbine benefits from Bien-Air's vast experience in turbine design. Eolia B offers the quality of a Swiss Made instrument at a highly competitive price. It boasts comfortable push-button bur locking and water non-return valve for impeccable hygiene. Instrument changing could not be simpler thanks to its new metal bayonet coupling.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.

## EOLIA B TURBINES WITHOUT LIGHT



### **Eolia B**

315,000 rpm, 2.5 bars, 1 spray,  
push-button bur locking, for 2-3 or 4-way  
quick-connect bayonet coupling

**Ref. 1600465-001**



### **Eolia B + 2-3 way coupling set**

315,000 rpm, 2.5 bars, 1 spray,  
push-button bur locking, with 2-3 way  
quick-connect bayonet coupling

**Ref. 1700225-001**



### **Eolia B + 4-way coupling set**

315,000 rpm, 2.5 bars, 1 spray,  
push-button bur locking, water anti-retraction valve,  
with 4-way quick-connect bayonet coupling

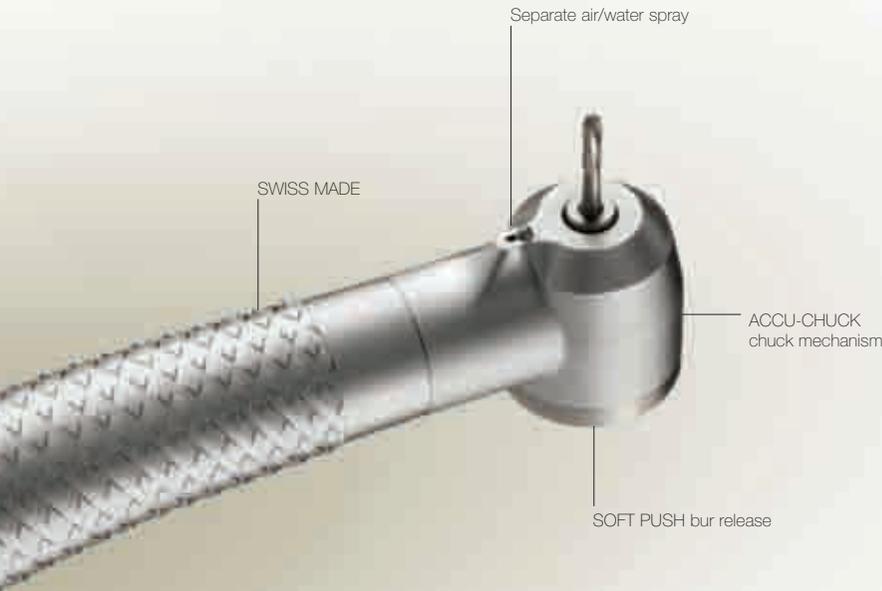
**Ref. 1700226-001**



Non-sterilizable couplings.



# BLACK PEARL ECO TURBINES



Its competitive price sets the Black Pearl Eco apart. It has one separate air/water spray and connects directly to a 3 or 4-way hose. Its moderately sized head makes this the versatile turbine par excellence. A classic instrument.



**ACCU-CHUCK**  
The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



**SOFT PUSH**  
Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.



**SWISS MADE**  
Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.



**BLACK PEARL ECO TURBINES WITHOUT LIGHT, DIRECT CONNECTION**

**Black Pearl ECO 2-3 way**  
310,000 rpm, 2.5 bars, 1 spray, push-button bur locking, 2-3 way direct connections  
**Ref. 1600039-001**



**Black Pearl ECO 4-way**  
310,000 rpm, 2.5 bars, 1 spray, push-button bur locking, 4-way direct connection  
**Ref. 1600040-001**



## UNFAILING PRECISION

Even the best dentist is nothing without a good instrument. Bien-Air contra-angles and handpieces offer you the best of Swiss micro-technology. Designed and manufactured in the heart of Watch Valley, each instrument is a masterpiece of metal-working, where skills combine to create a rugged, ultra-precise and quiet device.

From endodontics and surgery to implantology and restoration, Bien-Air has the instrument you need.

Depending on their transmission ratios, they operate at between 10 and 200,000 rpm. Cutting-edge technological solutions developed by Bien-Air engineers optimize their performance even further, while at the same time constantly improving control, comfort and service life. Bien-Air contra-angles and handpieces will meet your every need, and more...

## CONTRA-ANGLES AND HANDPIECES



# CONTRA-ANGLES



Bien-Air contra-angles: marvels of precision, offering reliability and quiet operation. The culmination of a long tradition of excellence, Bien-Air contra-angles boast a Soft Push push-button for easy bur release, DuaLook dual glass rod lighting and three Accu-Spray separate air/water sprays guaranteeing perfect nebulization. Their ideal ergonomic characteristics ensure an excellent grip while guaranteeing perfect handling. The latest developments in Bien-Air contra-angles incorporate a new shaft and gear system mounted on pre-stressed ball bearings. This offers vibration-free transmission and reduces energy loss. These new Bien-Air shaft and gear systems simultaneously provide outstanding smoothness and improved sensitivity. For your comfort and that of your patient.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-SPRAY

Cooling with six separate air and water nozzles. The ultra-precise nebulization this provides cools the bur and the dental material as efficiently as possible.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## COOL TOUCH

Push-button with an anti-heating safety system. This reduces the risk of burning your patients with the head of your instrument. For your comfort and your patients' safety.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.



## IDEAL GEOMETRY

Improved accessibility to areas at the rear of the mouth. Bien-Air contra-angles are designed to offer you improved handling, visibility and accessibility to the working area.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.

## CONTRA-ANGLES CA 1:5



### CA 1:5 L

Speed increasing factor of 5, light via optical glass rod, push-button bur locking with anti-heating system, bur shank Ø 1.6 mm, anti-retraction valve

Ref. 1600386-001



### CA 1:5

Speed increasing factor of 5, without light, push-button bur locking with anti-heating system, bur shank Ø 1.6 mm, anti-retraction valve

Ref. 1600325-001



## CONTRA-ANGLES CA 1:1



### CA 1:1 L

Direct ratio, light via optical glass rod, push-button bur locking, bur shank Ø 2.35 mm, anti-retraction valve

Ref. 1600384-001



### CA 1:1

Direct ratio, without light, push-button bur locking, bur shank Ø 2.35 mm, anti-retraction valve

Ref. 1600424-001



## CONTRA-ANGLES CA 10:1



### CA 10:1 L

Speed reducing factor of 10, light via optical glass rod, push-button bur locking, bur shank Ø 2.35 mm

Ref. 1600385-001



### CA 10:1

Speed reducing factor of 10, without light, push-button bur locking, bur shank Ø 2.35 mm

Ref. 1600425-001



## 1:1 INSTRUMENTS SETS WITH INTERNAL SPRAY



### CA 1:1 L + PM 1:1 set

Comprising:

- 1 CA 1:1 L with light ref. 1600384-001
- 1 PM 1:1 without light ref. 1600383-001

Ref. 1700196-001



### CA 1:1 + PM 1:1 set

Comprising:

- 1 CA 1:1 without light ref. 1600424-001
- 1 PM 1:1 without light ref. 1600383-001

Ref. 1700042-001

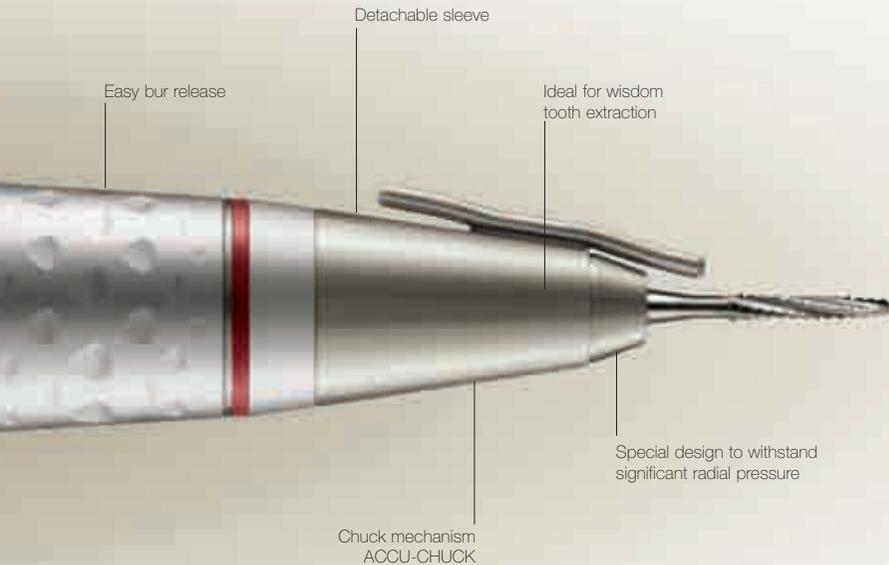


## STRAIGHT HANDPIECES

The latest generation of handpieces are the result of our ongoing research and development work.

They are designed to withstand the stresses resulting from repeated lateral pressure, while maintaining exceptional precision.

You will also appreciate the absence of vibration, their quiet operation and their tried and tested bur locking system.



### FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



### SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.

## STRAIGHT HANDPIECES PM 1:1



### PM 1:1

Without light, direct ratio,  
with internal spray, locking ring,  
bur shank Ø 2.35 mm

Ref. 1600383-001



### PM 1:1 external irrigation

Without light, direct ratio, interchangeable sleeves  
with or without irrigation tube,  
locking ring, tool shank Ø 2.35 mm

Ref. 1600052-001



## STRAIGHT HANDPIECE PM 1:2



### PM 1:2 external irrigation

Without light, speed increasing factor of 2,  
interchangeable sleeves with or without irrigation tube,  
locking ring, bur shank Ø 2.35 mm

Ref. 1600436-001



# IMPLANTOLOGY INSTRUMENTS

Thanks to the outstanding ergonomic design of the new Bien-Air 20:1 L implantology contra-angle handpiece, the word «comfort» takes on a whole new meaning.

This contra-angle handpiece has an irrigation system which is internal to the instrument – the world's first. So your grip is not impeded by the irrigation line. The jet of physiological liquid is projected onto the drill shaft itself, providing perfect cooling, particularly when using implant guides for insertions.

In addition, its shafts and gears are machined in stainless steel with high resistance to saline solutions.

The 20:1 L contra-angle handpiece is abound with superlatives: the smallest head, the lightest contra-angle on the market, exceptional DualLook lighting, Soft Push easy-release push-button...

The benchmark in implantology instruments.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.



## IDEAL GEOMETRY

Improved accessibility to areas at the rear of the mouth. Bien-Air contra-angles are designed to offer you improved handling, visibility and accessibility to the working area.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.

IMPLANTOLOGY CONTRA-ANGLES  
INTERNAL IRRIGATION



**CA 20:1 L**

Internal irrigation, light via optical glass rod,  
speed reducing factor of 20, push-button bur locking,  
bur shank  $\varnothing$  2.35 mm

**Ref. 1600598-001**



**CA 20:1**

Internal irrigation, without light,  
speed reducing factor of 20, push-button bur locking,  
bur shank  $\varnothing$  2.35 mm

**Ref. 1600632-001**



The 1:2 straight handpiece is the ideal instrument  
for wisdom tooth extraction. It is characterized  
by its cutting speed and ruggedness.



IMPLANTOLOGY CONTRA-ANGLES  
REMOVABLE IRRIGATION TUBE



**CA 1:1**

Removable external irrigation, direct ratio, without light, push-button bur locking, bur shank Ø 2.35 mm. Irrigation set included ref. 1500431-010.

**Ref. 1600200-001**



**CA 30:1**

Removable external irrigation, speed reducing factor of 30, without light, push-button bur locking, bur shank Ø 2.35 mm. With Kirschner/Meyer removable irrigation system. Irrigation set included ref. 1500467-010.

**Ref. 1600284-001**



IMPLANTOLOGY CONTRA-ANGLES  
FIXED EXTERNAL IRRIGATION TUBE



**CA 1122**

Fixed external irrigation, direct ratio, without light, push-button bur locking, bur shank Ø 2.35 mm. Fixed side irrigation tube.

**Ref. 1600603-001**



**CA 30121**

Fixed external irrigation, speed reducing factor of 30, without light, push-button bur locking, bur shank Ø 2.35 mm. With Kirschner/Meyer removable irrigation system. Irrigation set included ref. 1500028-001

**Ref. 1600479-001**



# POWERCARE ULTRASONIC SCALER

Thanks to its high-precision piezo technology, the POWERCARE ultrasonic scaler distributed by Bien-Air emerges as the instrument of choice for the removal of deposits and supragingival and sub-gingival dental prophylaxis.

Powercare controls and automatically adjusts the power necessary for each operation. This guarantees you optimal efficiency during your work. For their part, your patients benefit from enhanced comfort.

With its lightweight and ergonomic handle, Powercare offers you visibility and excellent handling. It is supplied with a basic kit to which a wide range of high-performance inserts can be added.

Powercare. Take control.



High-performance inserts

Ergonomic design offering you visibility and excellent handling.

Lightweight

## ULTRASONIC SCALER



### Powercare Set

The POWERCARE set has been designed for integration into the dental unit.

Power variation can be controlled by a potentiometer (not supplied). The Powercare's case can be used as a holder during sterilization. A torque wrench is provided for secure locking. A wide range of high-performance inserts covering the main prophylactic applications is available.

#### Set contents:

1 Powercare ultrasonic scaler	ref. 1600674-001
1 scaler hose	ref. 1600675-001
1 torque wrench, sterilizable	ref. 1304239-001
1 electronic control	ref. 1304240-001
1 connector with wires, for potentiometer	ref. 1304417
1 box for scaler, sterilizable	ref. 1304241-001
1 support for inserts, sterilizable	ref. 1304242-001
2 S1 inserts	ref. 1304243-001
1 P1 insert	ref. 1304247-001

Full Powercare set

**Ref. 1700343-001**



## POWERCARE INSERTS



### S1 for scaling

Universal curette with semi-circular cross section. Recommended for the ablation of large quantities of tartar.

Power: 0 – 100%  
Ref. 1304243-001



### S6 for high-efficiency scaling

Universal curette in the form of a contra-angle with semi-circular diameter. Powerful insert for the ablation of large quantities of tartar.

Power: 0 – 100%  
Ref. 1304244-001



### S7 for high-efficiency scaling

Universal curette in the form of a contra-angle with a triangular cross section. Powerful insert efficient in interdental spaces and on surfaces.

Power: 0 – 100%  
Ref. 1304245-001



### S8 for high-efficiency scaling

Contra-angle with a flat working surface with rounded edges. Powerful insert for the ablation of large quantities of supragingival tartar.

Power: 0 – 100%  
Ref. 1304246-001



### P1 for universal periodontics

Long, straight end-piece with a circular cross section. For the ablation of calculus and biofilm on root surfaces.

Power: 0 – 50%  
Ref. 1304247-001



### P4 for universal periodontics

Extra-long, straight end-piece with circular cross section. For the ablation of calculus and biofilm on root surfaces.

Power: 0 – 50%  
Ref. 1304248-001



### P10 for anatomical periodontics

Extra-long, curved working end with circular cross section. For the ablation of calculus and biofilm on root surfaces.

Power: 0 – 50%  
Ref. 1304249-001



## PROPHYLAXIS INSTRUMENTS

Handpieces with interchangeable heads and contra-angles with detachable cups are the only instruments that can be fitted to motors rotating at 40,000 rpm.

Apart from superior comfort and extended service life, Bien-Air prophylaxis instruments in particular offer high resistance to abrasive cleaning pastes and can withstand constant and repeated sterilizations.

### CAP 15:1 Prophy

Contra-angle handpiece without light or spray, speed reducing factor of 15, screw or clip cup interchangeability.

Pack comprising:  
1 CAP 15:1 Prophy  
5 screw cups  
5 clip cups

Ref. 1600290-001



### PMP 10:1 Prophy

Handpiece without light or spray, speed reducing factor of 10, for standard disposable heads.

Pack comprising:  
1 PMP 10:1 Prophy  
2 straight heads and 2 contra-angle heads

Ref. 1600289-001



## AHEAD OF THE FIELD

Bien-Air has positioned itself as the world leader in electric micromotors. And this has not happened by chance. Some have even revolutionized modern dentistry practice. Power, high torque, absence of vibration and reliability... the assets that make Bien-Air micromotors so unique.

Today, Bien-Air is raising the bar even higher with the addition of a new gem to this product line: MX-LED, the most powerful implantology micromotor with constant speed under all conditions. Bien-Air is proud to offer the best performing micromotors on the market today.

Let us introduce you to the best in Swiss micro-technology.

## MICROMOTORS



# MX MICROMOTOR

MX is the brushless micromotor abound with superlatives. With a speed ranging from 100 to 40,000 rpm, the MX offers ultra-precise control of the torque and rotation speed thanks to Smart Logic technology. The result is impressive: irrespective of the complexity of the procedure, the speed remains constant. The motor is quiet and vibration-free. Thanks to the MX's control at low speeds, your need for instruments of differing ratios is reduced.

Just two instruments are now sufficient to cover all your needs, from endodontics to high-speed restorative dentistry. Finally, the MX micromotor and its 360° rotating coupling are notable for their exceptional reliability and extended service life. Resilient to contact with fluids, the MX withstands repeated sterilizations. Welcome to a class apart.



## SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics control the torque and rotation speed to perfection in addition to the bur position. Even at very low speed.



## FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.



## MX Micromotor

Sterilizable without protection, with light and internal spray, Type E connection compliant with ISO 3964, quick-connect coupling rotating 360° on the 4VX hose.

Ref. 1600375-001

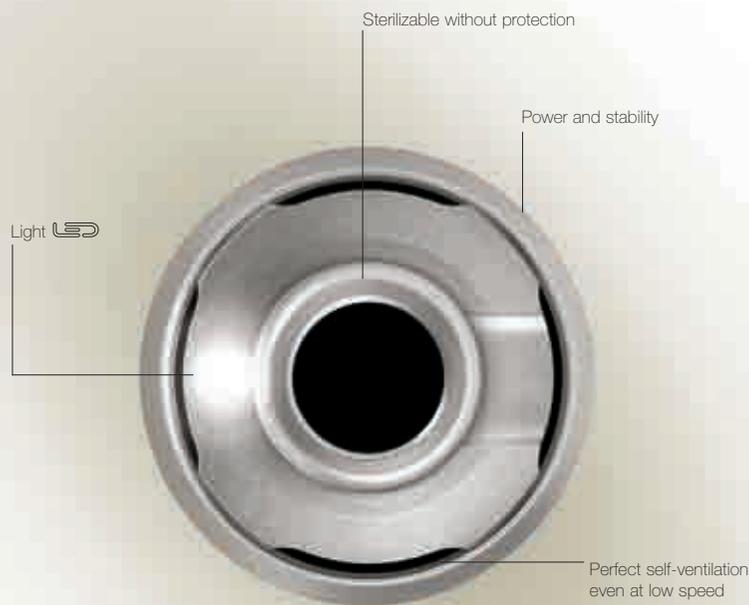


## 4VX or B4VX hose

Flexibility and lightness. Quick-connect, rotating coupling on MX motor side. See pages 126 to 127.



# MX CHIROPRO MICROMOTOR



Here is the most powerful and lightweight implantology motor on the market. With its Chiropro L control unit, the MX-LED Chiropro micromotor is redefining standards in implantology. A brushless micromotor, the MX-LED Chiropro is first and foremost a model of stability. At both high and low speeds, it offers you enhanced working comfort and its high torque copes with the most demanding dental procedures. Depending on the desired speed, the power is constantly adapted in order to provide the optimum result. This is due to the Smart Logic technology. Finally, the MX-LED Chiropro micromotor is equipped with LED lighting, providing the contra-angle handpiece with intense, natural and constant light at both high and low speeds. Resilient to contact with fluids, it can be washed in a machine and sterilized with its cable.



## QUALITY LED

Bien-Air is setting new standards in the field of LED lighting. Intensity-adjustable from 0 to 38,000 lux, perfectly white natural light, service life up to 10 times longer than that of a traditional bulb, no heating, exceptional resistance to sterilization.



## SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics control the torque and rotation speed to perfection in addition to the bur position. Even at very low speed.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

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## MX Chiropro micromotor

Sterilizable without protection, with LED light, self-ventilated, Type E connection compliant with ISO 3964, power supply via special cable  
**Ref. 1600605-001**

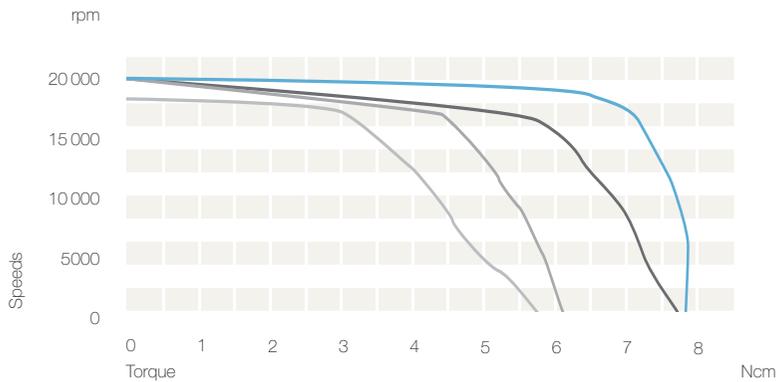


## MX Chiropro cable

Flexibility and lightness. Sterilizable. Quick-connect coupling on control unit side. See page 135.

# MX CHIROPRO MICROMOTOR THE BEST MOTOR

The MX-LED Chiroprpro micromotor is a model of stability. At both high and low speeds, the new MX-LED Chiroprpro offers you great working comfort. Its high torque makes it simply the most powerful motor on the market. Depending on the torque needed, the power is regulated and stabilized electronically. Accordingly, the speed is kept constant throughout the operation. Another major advantage: the motor allows LED lighting on the contra-angle handpiece with the same luminous intensity at both high and low speeds. Not only is the MX-LED Chiroprpro the most powerful motor on the market, it is also the lightest.



-  MX  Chiroprpro
-  System K
-  System N
-  System W



# BASCH MICROMOTOR

The BASCH micromotor has become the benchmark in the field of implantology. High-performance, self-ventilated, it offers rotation speeds ranging from 500 to 40,000 rpm and precise speed and torque control.

It is manufactured in stainless steel to enhance resistance to physiological liquids and extends its long service life. It can be sterilized with its cable. The BASCH can be driven and configured via the Chiropro 980 control unit.



Self-ventilation

Material specially resistant to NaCl

Sterilizable without protection



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

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## Basch micromotor

Sterilizable, self-ventilated,  
Type E coupling compliant with ISO 3964,  
power supply via special cable

**Ref. 1600076-001**



## Basch + cable set

Basch micromotor with 3 m cable,  
both sterilizable.

**Ref. 1700074-001**



## Basch cable

Sterilizable. Quick-connect coupling on control unit side.  
See page 135.

# MC3 MICROMOTORS

MC3 micromotors offer impressive performance. They are quite simply the most efficient brush micromotor on the market. With vibration-free operation from 20 to 40,000 rpm, their great versatility sets them apart. An outstanding motor, now also available with an intensity-adjustable LED light.



### QUALITY LED

Bien-Air is setting new standards in the field of LED lighting. Intensity-adjustable from 0 to 38,000 lux, perfectly white natural light, service life up to 10 times longer than that of a traditional bulb, no heating.



### FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



### GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



### SWISS MADE

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## MC3 MICROMOTORS WITH LIGHT



### MC3

With LED light and internal spray, detachable sleeve, Type E coupling compliant with ISO 3964

Ref. 1600680-001



## MC3 MICROMOTORS WITH LIGHT



### MC3 LK

With light and internal spray,  
detachable sleeve, Type E coupling  
compliant with ISO 3964

Ref. 1600077-001



### MC3 LK + 4VR 400 hose set

MC3 LK micromotor with light, internal spray  
+ 4VR 400 hose Ø 10 mm ref. 1600397-001, in grey silicone,  
with coupling rotating through 400°, standard length 1.7 m

Ref. 1700046-001



### MC3 LK + 4VLM hose set

MC3 LK micromotor with light and internal spray  
+ 4VLM hose Ø 11 mm ref. 1600097-001, in grey silicone with  
fixed coupling, standard length 1.7 m

Ref. 1700336-001



## MC3 MICROMOTORS WITHOUT LIGHT



### MC3 IR

Without light, internal spray,  
detachable sleeve, Type E coupling  
compliant with ISO 3964

Ref. 1600071-001



### MC3 IR + 4VLM hose set

MC3 IR micromotor without light, internal spray  
+ 4VLM hose Ø 11 mm ref. 1600097-001, in grey silicone  
with fixed coupling, standard length 1.7 m

Ref. 1700337-001



### 4VR 400 and 4VLM hoses

are available in a range  
of versions and colors.  
See pages 128 to 132.

# MC2 MICROMOTORS

The MC2 is the most widely used electric micromotor in the world. Appreciated and recommended for its reliability and endurance, it has been proving its worth for many years. With a rotating speed of 60 to 40,000 rpm, its performance is remarkable and it is driven highly efficiently by the PLMP 021 microprocessor control unit. The MC2 micromotor: Swiss Made design and manufacture at an attractive price. Now also available with intensity-adjustable LED light.



### QUALITY LED

Bien-Air is setting new standards in the field of LED lighting. Intensity-adjustable from 0 to 38,000 lux, perfectly white natural light, service life up to 10 times longer than that of a traditional bulb, no heating.



### GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



### SWISS MADE

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## MC2 MICROMOTORS WITH LIGHT



**MC2**   
 With LED light, internal spray,  
 Type E coupling  
 compliant with ISO 3964  
**Ref. 1600681-001**



## MC2 MICROMOTORS WITH AND WITHOUT LIGHT



**MC2 Isolite 300**  
With light, internal spray,  
Type E coupling compliant  
with ISO 3964  
Ref. 1600078-001



**MC2 IR**  
Without light, internal spray,  
Type E coupling compliant  
with ISO 3964  
Ref. 1600073-001



**MC2 GTAV**  
Without light and without spray,  
Type E coupling, compliant with ISO 3964,  
self-ventilated  
Ref. 1600075-001



**Tuyau MC2**  
Available in a range of  
versions and color.  
See pages 133 to 134.



# AQUILON AIR MICROMOTORS

Offering high torque at low speed, the Aquilon is a high-performance air micromotor at a very competitive price. Equipped with a ceramic stator, it is simple to maintain and has a particularly long service life. Its rotating speed ranges from 5,000 to 20,000 rpm with forward and reverse operation. It is quick to connect, thanks to its rotating Unifix quick-connect coupling.



## FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



## SWISS MADE

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## AQUILON AIR MICROMOTOR INTERNAL SPRAY



### Aquilon 830

Internal spray, Type E coupling compliant with ISO 3964, quick-connect rotating connection for 3- or 4-way Unifix coupling

Ref. 1600070-001





**Aquilon 830 + 3-way Unifix set**

Micromotor with internal spray, Type E coupling compliant with ISO 3964, quick-connect rotating connection with 3-way Unifix coupling

**Ref. 1700058-001**



**Aquilon 830 + 4-way Unifix set**

Micromotor with internal spray, Type E coupling compliant with ISO 3964, quick-connect rotating connection, with 4-way Unifix coupling

**Ref. 1700211-001**



**AQUILON AIR MICROMOTOR  
EXTERNAL SPRAY**



**Aquilon 830 external spray**

External spray, Type E coupling compliant with ISO 3964, quick-connect rotating connection for 3- or 4-way Unifix coupling

**Ref. 1600362-001**



## THE VERY BEST MOTORS DEMAND THE BEST PERFORMING CONTROL UNITS

What is the point of having a powerful motor without the right control unit to drive it? A micromotor's precision, power and service life depend directly on the quality of its electronic control unit. To drive its range of motors, Bien-Air has designed control units which manage the necessary power, drive the motors linearly and without vibration, while at the same time offering the requisite operating ranges. Providing the ultimate speed and torque control, the latest generation control units with Smart Logic technology are capable of exploiting to the full the outstanding capacities of the MX and MX-LED motors. More than ever before, you have the very best tools at your fingertips.

## CONTROL UNITS FOR MICROMOTORS



# OPTIMA MX<sup>INT</sup> & DMX



Multilingual display offering excellent readability

Many pre-programmed sequences for endodontics and restoration work

EASY-NAV simplified navigation

Reduced dimensions

Easy maintenance

MX is the motor of superlatives. To drive it, Bien-Air has designed a control unit which matches its performance.

The Optima MX<sup>INT</sup> control unit and its micromotor guarantee absolute control of the bur, controlling speed, torque and automatic reversal of the direction of rotation.

The Optima MX<sup>INT</sup> is particularly versatile. This control unit offers pre-programmed modes for all the main restorative operations and for endodontics. A true all-in-one system, it also makes your life simpler: two contra-angle handpieces are sufficient to perform the vast majority of dentistry operations. This results in improved comfort as well as a time saving.

Thanks to its Easy-Nav philosophy, the Optima MX<sup>INT</sup> is incredibly intuitive and adapts to most of dental chairs. It is ideal if you want to upgrade your pneumatic chair to bring it into the electronic age. Quite simply, it offers the best Swiss engineering.



## SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics control the torque and rotation speed to perfection in addition to the bur position. Even at very low speed.



## EASY-NAV

Intuitive, simple, user-friendly navigation. You'll love working fast, logically and with assistance. Straightforward. EASY-NAV. The professional interface.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.



## OPTIMA MX<sup>INT</sup> ONE SYSTEM AND TWO INSTRUMENTS FOR ALL YOUR DENTISTRY WORK

Thanks to the unique performance of the combination of motors and Optima MX, Optima MX<sup>INT</sup> and DMX control units, no more than two contra-angle handpieces are now needed for the majority of dental restoration, prophylaxis or endodontic work, including procedures using NiTi tools.

With the CA 1:1 and CA 1:5, you have at your disposal a range of speeds from 100 rpm to 200,000 rpm. This remarkable advance reduces the number of instruments needed in the dental operatory.



### EXAMPLES OF OPERATIONS POSSIBLE WITH TWO BIEN-AIR CONTRA-ANGLE HANDPIECES



Table of current possible applications

Applications and contra-angle handpieces	CA 1:5	CA 1:1
Minimum speed in rpm	500	100
Maximum speed in rpm	200 000	40 000
Amalgam polishing		•
Root treatment - NiTi		•
Removal of deep caries		•
Removal of caries	•	•
Hole drilling		•
Preparation of temporary crowns and bridges		•
Gold and microwire polishing	•	•
Interdental and subgingival polishing		•
Surplus amalgam removal	•	•
MC Spadden endodontic technique		•
Chrome cobalt balance		•
General finishing in cavity preparation		•
Cutting of retentive grooves	•	•
Ceramic adjustment	•	
Finishing preparation B+C, bevels and ridges	•	•
Finishing preparation B+C, cavities, bevels and ridges		•
Occlusal adjustment	•	
Dentine reduction	•	•

This table shows possible uses and does not in any way constitute recommendations for use.

OPTIMA MX<sup>INT</sup> - WITH ENDODONTIC FUNCTIONS  
 INTEGRATABLE SYSTEM WITH REMOTE CONTROL UNIT



- Broad speed range of the MX micromotor:  
from 100 to 40,000 rpm
- High speed mode for general operations
- Low speed mode for endodontics with NiTi tools:  
automatic reversal of the direction of rotation when  
speed is at 0, automatic return to clockwise movement  
(adjustable timing)
- Easy navigation system
- Major functions modifiable at all times:
  - Selection of one of the 40 programs
  - Actual instrument speed
  - Variable torque
  - Handpiece ratio
  - With or without lighting
  - Light intensity
  - Choice of 5 languages

**Optima MX<sup>INT</sup> set with DMX Standard kit:**

1 Optima MX <sup>INT</sup> control unit	ref. 1600534-001
1 sterilizable MX micromotor	ref. 1600375-001
1 4VX hose for MX micromotor	ref. 1600387-001
1 DMX Standard electronic control unit	ref. 1600472-001

Supplied with bracket and mounting screws,  
 16-pole cable

Complete set for 1 MX micromotor

**Ref. 1700258-001**

**Basic set ref. 1700258-001 also including:**

1 80-240 Vac transformer,  
 with 5-meter 32 Vdc cable ref.1600591-001  
 Complete set for 1 MX micromotor

**Ref. 1700270-001**

**Basic set ref. 1700258-001 also including:**

1 converter, 24 Vac/32 Vdc - 24 Vdc ref. 1500580-001  
 Complete set for 1 MX micromotor

**Ref. 1700275-001**

**Basic set ref. 1700258-001 also including:**

1 sterilizable MX micromotor ref. 1600375-001  
 1 4VX hose for MX micromotor ref. 1600387-001  
 1 PL DMS relay ref. 1500554-001  
 1 converter, 24 Vac/32 Vdc - 24 Vdc ref. 1500580-001  
 Complete set for 2 MX micromotors

**Ref. 1700259-001**

OPTIMA MX<sup>INT</sup> - WITHOUT ENDODONTIC FUNCTION  
INTEGRATABLE SYSTEM WITH REMOTE CONTROL UNIT



This version of the OPTIMA MX<sup>INT</sup> with DMX Basic (electronic) offers the same advantages as the DMX Standard, except for endodontic procedures with automatic reversal of the direction of rotation and without torque adjustment. It ensures absolute control of the sterilizable, brushless MX micromotor, from 100 to 40,000 rpm.

**Optima MX<sup>INT</sup> set with DMX Basic kit:**

1 Optima MX <sup>INT</sup> control unit	ref. 1600534-001
1 sterilizable MX micromotor	ref. 1600375-001
1 4VX hose for MX micromotor	ref. 1600387-001
1 DMX Basic electronic control unit	ref. 1600473-001

Supplied with bracket and mounting screws,  
16-pole cable  
Complete set for 1 MX micromotor

**Ref. 1700260-001**

**Basic set ref. 1700260-001 also including:**

1 80-240 Vac transformer, with 5-meter 32 Vdc cable	ref. 1600591-001
--	------------------

Complete set for 1 MX micromotor

**Ref. 1700271-001**



**DMX STANDARD - WITH ENDODONTIC FUNCTIONS  
INTEGRATABLE SYSTEM, WITHOUT CONTROL UNIT**

With DMX Standard, it's the control system for your unit which controls the MX micromotor. Your distributor-installer is able to upgrade your electric or air-powered unit to the leading MX technology. You can thus have a high-performance instrument with your unit's customary control system.



**DMX Standard set:**

- |  |                  |
|--|------------------|
| 1 DMX Standard electronic control unit | ref. 1600472-001 |
| 1 sterilizable MX micromotor           | ref. 1600375-001 |
| 1 4VX hose for MX micromotor           | ref. 1600387-001 |
| 1 converter, 24 Vac/32 Vdc - 24 Vdc    | ref. 1500580-001 |
| Complete set for 1 MX micromotor       |                  |
| <b>Ref. 1700230-001</b>                |                  |

**DMX Standard set without converter:**

- |  |                  |
|--|------------------|
| 1 DMX Standard electronic control unit | ref. 1600472-001 |
| 1 sterilizable MX micromotor           | ref. 1600375-001 |
| 1 4VX hose for MX micromotor           | ref. 1600387-001 |
| Complete set for 1 MX micromotor       |                  |
| <b>Ref. 1700241-001</b>                |                  |

**DMX Standard set with 2 MX micromotors:**

- |  |                  |
|--|------------------|
| 1 DMX Standard electronic control unit | ref. 1600472-001 |
| 2 sterilizable MX micromotors          | ref. 1600375-001 |
| 2 4VX hoses for MX micromotor          | ref. 1600387-001 |
| 1 PL DMS relay                         | ref. 1500554-001 |
| 1 converter, 24 Vac/32 Vdc - 24 Vdc    | ref. 1500580-001 |
| Complete set for 2 MX micromotors      |                  |
| <b>Ref. 1700232-001</b>                |                  |

**DMX BASIC - WITHOUT ENDODONTIC FUNCTION  
INTEGRATABLE SYSTEM, WITHOUT CONTROL UNIT**

This simplified version, without torque control, offers the same advantages as the DMX Standard version, except for endodontic procedures. It guarantees absolute control of the sterilizable brushless MX micromotor from 100 to 40,000 rpm. DMX Standard and Basic are 100% Swiss Made electronic technologies.



**DMX Basic set:**

- |                                     |                  |
|-------------------------------------|------------------|
| 1 DMX Basic electronic control unit | ref. 1600473-001 |
| 1 sterilizable MX micromotor        | ref. 1600375-001 |
| 1 4VX hose for MX micromotor        | ref. 1600387-001 |
| 1 converter, 24 Vac/32 Vdc - 24 Vdc | ref. 1500580-001 |
| Complete set for 1 MX micromotor    |                  |
| <b>Ref. 1700231-001</b>             |                  |

**DMX Basic set without converter:**

- |                                     |                  |
|-------------------------------------|------------------|
| 1 DMX Basic electronic control unit | ref. 1600473-001 |
| 1 sterilizable MX micromotor        | ref. 1600375-001 |
| 1 4VX hose for MX micromotor        | ref. 1600387-001 |
| Complete set for 1 MX micromotor    |                  |
| <b>Ref. 1700245-001</b>             |                  |

**DMX Basic set with 2 MX micromotors:**

- |                                     |                  |
|-------------------------------------|------------------|
| 1 DMX Basic electronic control unit | ref. 1600473-001 |
| 2 sterilizable MX micromotors       | ref. 1600375-001 |
| 2 4VX hoses for MX micromotor       | ref. 1600387-001 |
| 1 PL DMS relay                      | ref. 1500554-001 |
| 1 converter, 24 Vac/32 Vdc - 24 Vdc | ref. 1500580-001 |
| Complete set for 2 MX micromotors   |                  |
| <b>Ref. 1700233-001</b>             |                  |

OPTIMA MX WITH ENDODONTIC FUNCTIONS  
COMPLETE EXTERNAL TABLETOP SYSTEM

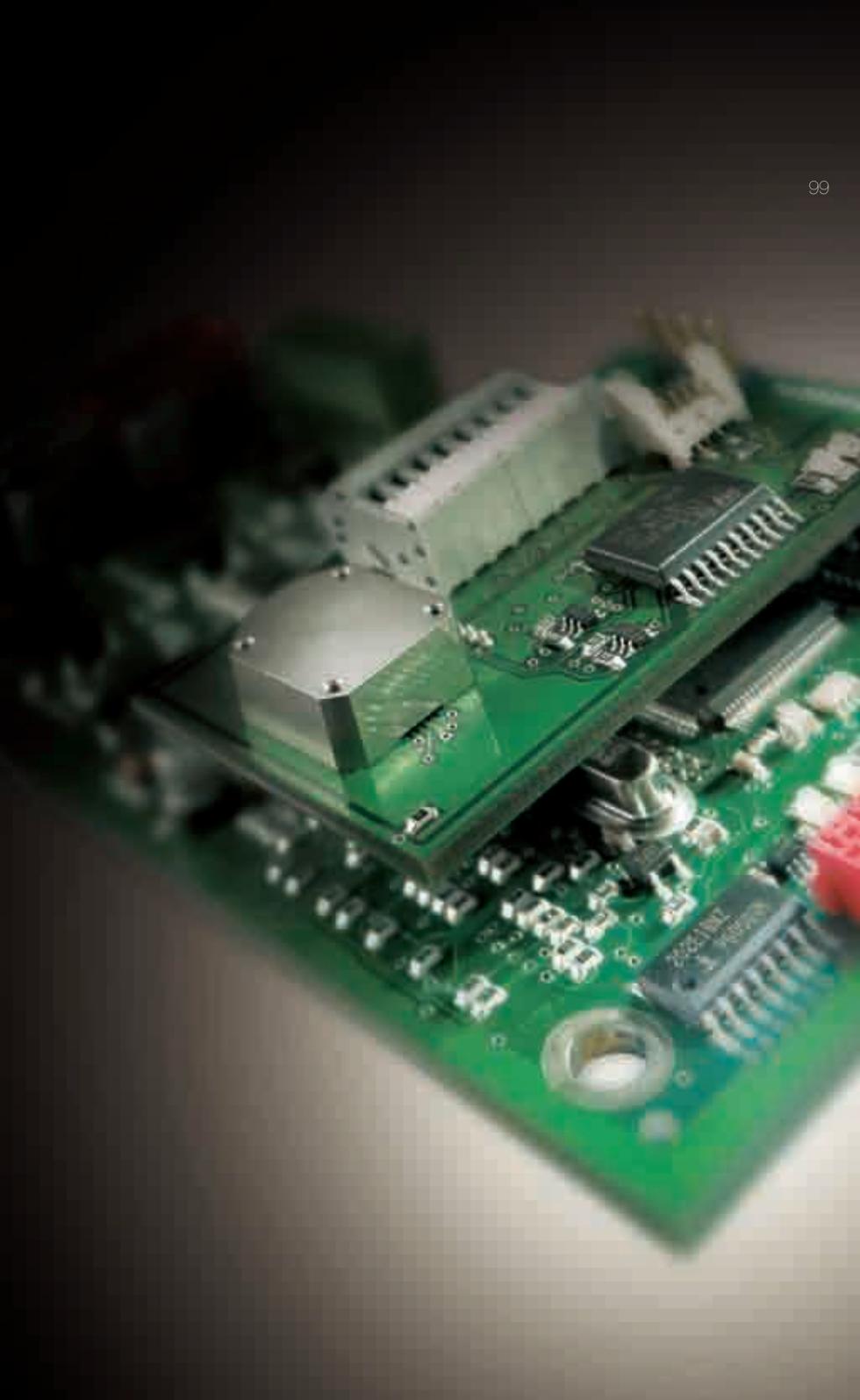


**Click & Work**

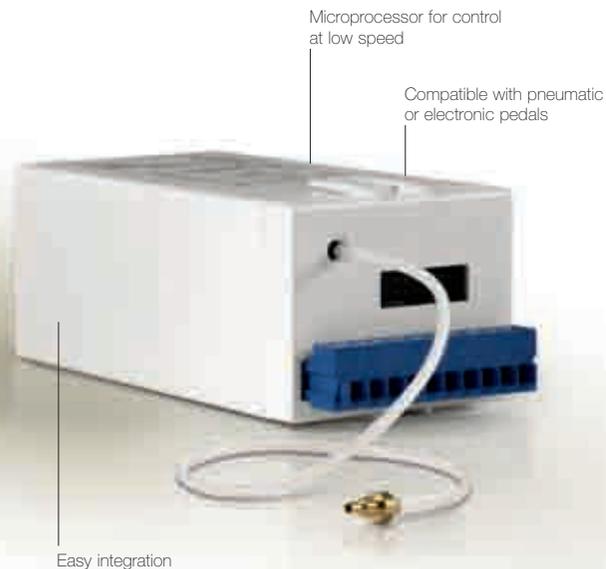
OPTIMA MX ensures absolute control of the sterilizable, brushless MX micromotor. This innovative concept allows most operations, including endodontics with NiTi tools, to be covered with just 2 contra-angles. The OPTIMA MX offers perfect speed and torque control and auto reverse. Its touchscreen display is easy to use and the 5 programs may be customized. Speeds from 100 to 200,000 rpm with CA 1:1 and CA 1:5 ratios. The speed is adjusted with the existing pedal. The MX motor is fitted with a quick-connect rotating coupling. The OPTIMA MX can be installed quickly and is directly operational via simple connection to a 4-way hose.

**Optima MX set:**

1 Optima MX control unit	ref. 1600459 - 001
1 80 to 240 Vac transformer	ref. 1600596 - 001
1 stylus	ref. 1300134 - 001
1 B4VX hose with quick-connect coupling	ref. 1600428 - 001
1 MX micromotor, sterilizable	ref. 1600375 - 001
Complete set for 1 micromotor	
<b>Ref. 1700047-001</b>	



# PLMP 021 CONTROL UNIT



The PLMP 021 control unit is specially designed for MC3 and MC2 micromotors. Incorporating an electronically or pneumatically-driven microprocessor, it manages a particularly wide range of speeds, from 20 to 40,000 rpm.

Thanks to this control, the micromotors rotate without vibration or jolting from the lowest to the highest speeds in both directions of rotation and with a high torque, particularly at low speed.

The PLMP 021's major advantage is the unit's small dimensions.

This means it is easy to integrate into all electronic or pneumatic units.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

Only the most sophisticated techniques and the best materials make it possible to manufacture the best products. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland. After manufacture, Bien-Air products undergo individual testing.



## PLMP 021 kit

1 PLMP 021 microprocessor control unit ref. 1600350-001.  
Supplied with 18 meters of electric wire, potentiometer, solenoid valve, switch, adhesive sticker and flanges for fixing to the unit  
**Ref. 1600351-001**

## PLMP 021

Control unit only  
**Ref. 1600350-001**



## TO MEET THE HIGHEST REQUIREMENTS

Implantology is a demanding discipline. To offer you maximum comfort and to guarantee that of your patients, Bien-Air has created high-performance systems which leave nothing to chance. After the Chiropro 980, which has proved its worth in countless dental surgeries, Bien-Air now presents the Chiropro L, an incredible system offering versatility, comfort and performance. Combined with exceptional instruments and motors, Bien-Air implantology systems represent a benchmark. Try them. You'll never look back.

## IMPLANTOLOGY SYSTEMS



# CHIROPRO L



Bien-Air's latest arrival, the Chiropro L is an ultra-efficient and multi-function implantology system, designed for many clinical applications such as implantology, dental surgery and endodontics. With the Chiropro L, everything is designed for your comfort. The MX-LED Chiropro micromotor, the most powerful and lightweight on the market, has LED lighting of equal intensity whether at high or low speeds. The contra-angle incorporates a unique irrigation system which is internal to the instrument, offering ideal grip. The Chiropro L also offers 7 of the main implant systems on the market with their complete sequences\*. It can also be customized according to your needs. With the Chiropro L, reassess your requirements.

\* Not available in the US version



## QUALITY LED

Bien-Air is setting new standards in the field of LED lighting. Adjustable intensity from 0 to 38,000 lux, perfectly white natural light, service life up to 10 times longer than that of a traditional bulb, no overheating, exceptional resistance during sterilization.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics control the torque and rotation speed to perfection in addition to the bur position. Even at very low speed.



## EASY-NAV

Intuitive, simple, user-friendly navigation. You'll love working fast, logically and with assistance. Straightforward. EASY-NAV. The professional interface.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

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## CHIROPRO L TO MEET THE HIGHEST REQUIREMENTS.

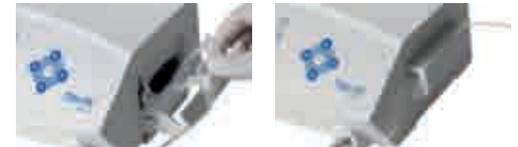


The Chiropro L incorporates 7 of the leading implant systems on the market with their complete sequences\*.

The Chiropro L can also be customized according to your needs.

From preparation of the implant site to implant fastening, the pre-programmed clinical sequence is displayed on screen. Only a few seconds are needed to define, save or modify your program.

Designed to simplify your daily practice, the Chiropro L unit is infinitely versatile, allowing numerous clinical applications such as implantology, endodontics and dental surgery.



Bien-Air has designed a new patented peristaltic pump. The single-use irrigation lines incorporate an insertion support ensuring very easy handling and optimum hygiene.

The Chiropro L is pre-programmed for the following implant systems\*:

- Straumann
- Nobel Biocare
- Zimmer
- Dentsply-Friadent
- Biomet 3i
- AstraTech
- Thommen Medical
- Système libre

\* Not available in the US version



\* Not available in the US version

Straumann, Nobel Biocare, Zimmer, Dentsply-Friadent, Biomet 3i, AstraTech, and Thommen Medical are trademarks registered by the corresponding companies. The parameters contained in the implant manufacturers' programs are given for information only and Bien-Air cannot be held liable for them. The parameters may be subject to modification without notice.

**CHIROPRO L - IMPLANTOLOGY DEVICE  
FOR INSTRUMENTS WITH OR WITHOUT LIGHT**



**Chiropro L basic kit:**

1 Chiropro L control unit	ref. 1600613 - 001
1 MX-LED Chiropro micromotor	ref. 1600605 - 001
1 MX-LED Chiropro micromotor cable	ref. 1600606 - 001
1 3-button foot pedal	ref. 1600631 - 001
10 sterile single-use irrigation lines	ref. 1500984 - 010
10 irrigation line fixing brackets	ref. 1303711 - 010
1 bracket	ref. 1303393 - 001
1 holder	ref. 1301575 - 001
1 network cable CH	ref. 1300065 - 001
1 network cable Europe	ref. 1300066 - 001
1 network cable Asia/USA	ref. 1300067 - 001

**Ref. 1700298-001**

**Chiropro L basic kit USA**

(USA version control unit ref. 1600679-001)

**Ref. 1700349-001**

**Chiropro L basic kit with CA 20:1 L contra-angle**

1 Chiropro L basic kit	ref. 1700298 - 001
1 CA 20:1 L contra-angle with light	ref. 1600598 - 001

**Ref. 1700307-001**



**Chiropro L basic kit USA with CA 20:1 L contra-angle**

1 Chiropro L basic kit USA	ref. 1700349 - 001
1 CA 20:1 L contra-angle with light	ref. 1600598 - 001

**Ref. 1700350-001**



**CHIROPRO L ACCESSORIES**



**CA 20:1 L**

Internal irrigation, light via optical glass rod, speed reducing ratio of 20, push-button bur locking, bur shank Ø 2.35 mm

**Ref. 1600598-001**



**Irrigation lines**

Set of 10 single-use irrigation lines, with a flow rate of 30 to 150 ml/min

**Ref. 1500984-010**



**Irrigation line fixing clips**

Set of 10 fixing clips for Chiropro L irrigation line

**Ref. 1303711-010**



**Aquacare**

Cleaning spray 500 ml. Box of 6. Cleaning product for instruments used with physiological liquid

**Ref. 1600617-006**



**Maintenance Triopack**

Only available from your local distributor.

# CHIROPRO 980

The Chiropro 980 is a powerful implantology system, capable of driving two motors. The Chiropro is particularly reliable and resistant: it has a robust design. This means it meets the most stringent international safety standards. With a large backlit display, available in seven languages, and intuitive programming, the Chiropro is extremely easy to use in practice. Eight programs are available and can be modified, even during use. You also have a selection of 31 handpiece ratios. The peristaltic pump delivery is adjustable from 15 to 130 ml/min.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

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**CHIROPRO 980 - IMPLANTOLOGY DEVICE  
FOR INSTRUMENTS WITHOUT LIGHT**



**Chiropro 980 basic kit:**

1 Basch micromotor	ref. 1600076 - 001
1 black cable for Basch micromotor	ref. 1600342 - 001
1 multifunction foot pedal, 2 buttons	ref. 1600281 - 001
1 integral peristaltic pump	
1 bracket	ref. 1500017 - 001
10 irrigation lines, choice of 2 flow rates	ref. 1100037 - 010
10 fixing clips	ref. 1300064 - 010
1 holder	ref. 1301575 - 001

**Chiropro 980 basic kit for 230 Vac with:**

1 control unit	ref. 1600238 - 001
1 network cable Switzerland	ref. 1300065 - 001
1 network cable Europe	ref. 1300066 - 001

**Ref. 1700113-001**

**Chiropro 980 basic kit for 115 Vac with:**

1 control unit	ref. 1600241 - 001
1 network cable US/113	ref. 1300067 - 001

**Ref. 1700114-001**

**Chiropro 980 basic kit for 100 Vac with:**

1 control unit	ref. 1600240 - 001
1 network cable US/113	ref. 1300067 - 001

**Ref. 1700115-001**

**CHIROPRO 980 ACCESSORIES**



**CA 20:1**

Contra-angle with internal irrigation, without light, speed reducing ratio of 20, push-button bur locking, bur shank Ø 2.35 mm

**Ref. 1600632-001**



**Irrigation lines**

Set of 10 single-use irrigation lines with a choice of two flow rate ranges according to the hose diameter: from 30 to 130 ml/min with the white silicon hose or from 15 to 65 ml/min with the green silicon hose

**Ref. 1100037-010**



**Irrigation line fixing clips**

Set of 10 fixing clips for Chiropro 980 irrigation line

**Ref. 1300064-010**



**Basch + cable set**

Basch micromotor with 3 m cable, both sterilizable.

**Ref. 1700074-001**



**Maintenance Triopack**

Only available from your local distributor.

# IMPLANTOLOGY INSTRUMENTS

Thanks to the outstanding ergonomic design of the new Bien-Air 20:1 L implantology contra-angle, the word «comfort» takes on a whole new meaning. This contra-angle has an irrigation system which is internal to the instrument – a world first. So your grip is not impeded by the irrigation line. The jet of physiological liquid is projected onto the drill shaft itself, providing perfect cooling, particularly when using implant guides for insertions. The CA 20:1 has a miniature head and is the lightest on the market. In addition, its shafts and gears are machined in stainless steel with high resistance to saline solutions. The PM 1:2 straight handpiece is ideal for wisdom tooth extraction. It has been designed to withstand the considerable stresses resulting from repeated lateral pressure, while maintaining exceptional precision. A tooth can be cut rapidly and the temperature generated on contact remains low. Speed, comfort and precision are assured.



## DUALOOK

In addition to being rugged under all conditions, the two glass fiber rods give an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



## ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover instruments with perfect equilibrium, free from any imbalance or vibration. The best of Swiss technology.



## SOFT PUSH

Bien-Air's unique push-button insert locking mechanism. Light pressure is all that is needed. Bur changing is quick and comfortable. This mechanism guarantees firm yet precise locking.



## IDEAL GEOMETRY

Improved accessibility to areas at the rear of the mouth. Bien-Air contra-angles are designed to offer you improved handling, visibility and accessibility to the working area.



## SWISS MADE

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20:1 CONTRA-ANGLES WITH INTERNAL IRRIGATION



**CA 20:1 L**

Internal irrigation, light via optical glass rod,  
speed reducing ratio of 20, push-button bur locking,  
bur shank  $\varnothing$  2.35 mm

**Ref. 1600598-001**



**CA 20:1**

Internal irrigation, without light,  
speed reducing ratio of 20, push-button bur locking,  
bur shank  $\varnothing$  2.35 mm

**Ref. 1600632-001**



**CONTRA-ANGLES  
WITH DETACHABLE IRRIGATION TUBE**



**CA 1:1**  
Detachable external irrigation, direct ratio, without light, push-button bur locking, bur shank Ø 2.35 mm. Irrigation set included ref. 1500431-010  
**Ref. 1600200-001**



**CA 30:1**  
Detachable external irrigation, speed reducing ratio of 30, without light, push-button bur locking, bur shank Ø 2.35 mm. With Kirschner/Meyer detachable irrigation system. Irrigation set included ref. 1500467-010  
**Ref. 1600284-001**



**CONTRA-ANGLES  
WITH FIXED EXTERNAL IRRIGATION TUBE**



**CA 1122**  
Fixed external irrigation, direct ratio, without light, push-button bur locking, bur shank Ø 2.35 mm. Fixed side irrigation tube  
**Ref. 1600603-001**



**CA 30121**  
Fixed external irrigation, speed reducing ratio of 30, without light, push-button bur locking, bur shank Ø 2.35 mm. With Kirschner/Meyer detachable irrigation system. Irrigation set included ref. 1500028-001  
**Ref. 1600479-001**



**STRAIGHT HANDPIECES  
WITH EXTERNAL IRRIGATION TUBE**



**PM 1:1**  
External irrigation, without light, direct ratio, interchangeable sleeves with or without irrigation tube, locking ring, bur shank Ø 2.35 mm  
**Ref. 1600052-001**



**PM 1:2**  
External irrigation, without light, x2 multiplier, interchangeable sleeves with or without irrigation tube, locking ring, bur shank Ø 2.35 mm  
**Ref. 1600436-001**



Examples of clinical applications in implantology	CA 1:1	PM 1:1	PM 1:2	CA 20:1	CA 30:1	Speed ranges (rpm)
Smoothing of the alveolar crest	•	•	•			40,000 - 80,000
Implant site marking (ball bur)	•	•		•		2000/2500 - 40,000
Drilling				•	•	500 - 1,000
Tapping				•	•	5 - 30
Implant tightening				•	•	5 - 30
Prosthetic screw tightening				•	•	5 - 30
Osteotomy		•	•			40,000 - 80,000
Bone graft		•	•			40,000 - 80,000
Wisdom tooth extraction		•	•			40,000 - 80,000

This table shows possible uses and does not in any way constitute recommendations for use. They apply to handpieces equipped with an irrigation system for physiological liquid.

## SMOOTH AND EASY INSTRUMENT CHANGING

In your daily practice, you demand maximum comfort. To offer you this level of comfort, Bien-Air has thought of everything, right down to the very last detail. Accessories are no exception to this rule.

Our couplings and hoses are designed to allow you to work effortlessly with complete freedom. They are suitable for a large number of instruments, which can be interchanged in no time at all. What's more, every Bien-Air hose is individually tested in order to guarantee the very best performances. Comfort and reliability.

## COUPLINGS AND HOSES



## QUICK-CONNECT COUPLINGS



Whether Unifix or bayonet, the reliability, ease of use, lightness and durability of the Bien-Air three or four-way quick-connect couplings really sets them apart. Their ability to rotate leaves the practitioner free to work without constraints. Fitted with a quick-connect connection and an easy-to-use secure release, they can be fitted and removed in no time at all.



### FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



### GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



### SWISS MADE

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## UNIFIX COUPLINGS FOR INSTRUMENTS WITH LIGHT



### 4-way Unifix coupling

4-way quick-connect coupling, for instruments with light, with air non-return valve

Ref. 1600363-001



### 4-way Unifix coupling

4-way quick-connect couplings for instruments with light, with a valve for regulating spray

Ref. 1600086-001



## UNIFIX COUPLINGS FOR INSTRUMENTS WITHOUT LIGHT



### 4-way Unifix coupling

4-way quick-connect coupling, for instruments without light

Ref. 1600082-001



### 3-way Unifix coupling

3-way quick-connect coupling, for instruments without light

Ref. 1600081-001



Non-sterilizable couplings.

## QUICK-CONNECT COUPLINGS FOR EOLIA B TURBINES

Quick-connect connection by means of the new metal bayonet coupling, available in 2-3 way and 4-way versions with anti-retraction valve. Can be connected to 2- and 3-way hoses, without light, or 4-way with or without light. Eolia B couplings cannot be sterilized.

125



### Eolia B 4-way quick-connect coupling

Eolia B 4-way quick-connect coupling with water anti-retraction system, new generation

Ref. 1600648-001



### Eolia B 2-3 way quick-connect coupling

Eolia B quick-connect coupling, 2-3 holes, new generation

Ref. 1600647-001



## 2- AND 3-WAY OUTLET ADAPTERS

### Adapter

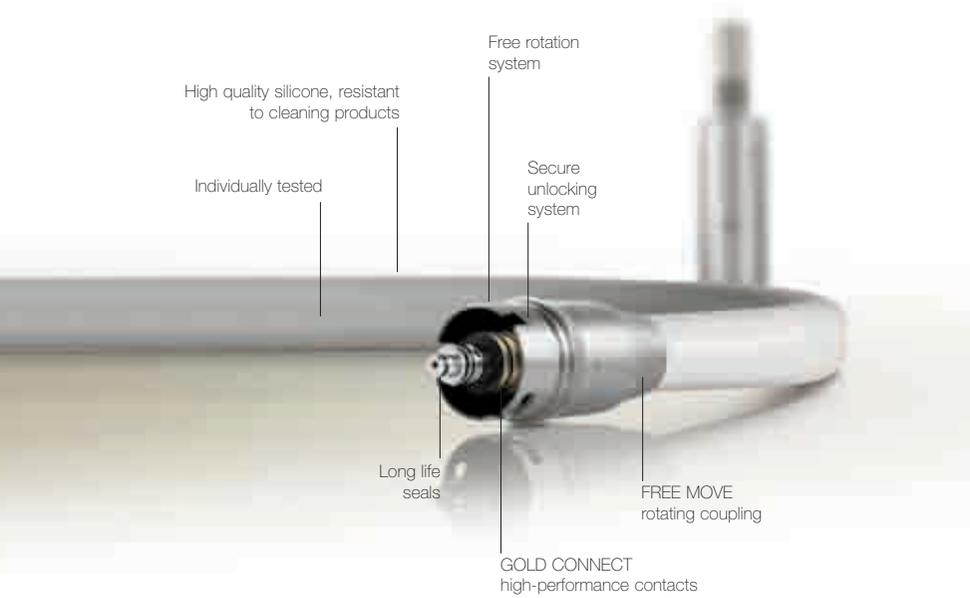
For Bien-Air turbines and air micromotors with 2- or 3-way connection for 4-way hose

Ref. 1600089-001



Non-sterilizable couplings.

# 4VX HOSES FOR MX MICROMOTOR



An exceptional hose for an exceptional motor: the 4VX hose is the indispensable complement to the MX micromotor. Manufactured from very high-quality materials, it is extremely resistant and flexible. In addition, it is available up to a length of 3 meters. The connection to the motor rotates from 360° by means of a patented bayonet quick-connect coupling, leaving you unprecedented freedom of movement. Every hose is assembled by hand and is individually tested.



## FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

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### 4VX hoses for MX micromotor

With built-in quick-connect rotating coupling, Ø 10 mm hose in grey silicone, standard length 1.7 m

**Ref. 1600387-001**

**Ref. 1600387-0** special length



### B4VX hose for MX micromotor

With built-in quick-connect rotating coupling, bayonet connector on unit side, Ø 10 mm hose in grey silicone, standard length 1.7 m

**Ref. 1600428-001**

**Ref. 1600428-0** special length



### Bayonet connector for B4VX

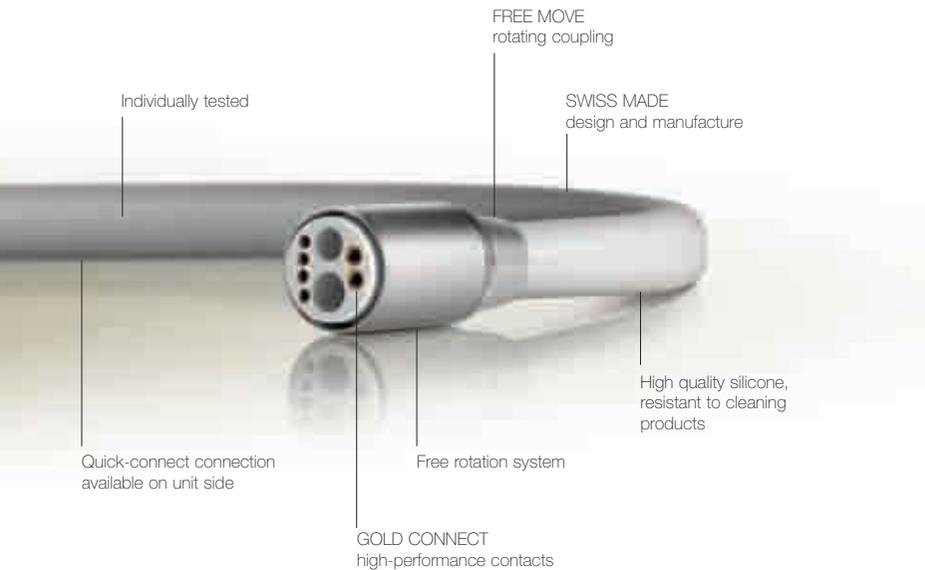
Coupling on unit side, for Ø 18 mm way and anti-rotation slot, standard length 60 cm

**Ref. 1600278-001**

**Ref. 1600278-0** special length

# 4VR 400 HOSES FOR MC3 MICROMOTORS

The 4VR 400 hose is specially designed for MC3 micromotors. Manufactured in very high-quality materials, it is extremely resistant and flexible. In addition, it is available up to a length of 3 meters. Lightweight and fitted with a rotating coupling, it guarantees easy use of your instruments, with or without light. Every hose is assembled by hand and is individually tested.



### FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



### GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



### SWISS MADE

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### 4VR 400 hose for MC3 micromotor

With coupling rotating through 400°, Ø 10 mm hose in grey silicone, standard length 1.7 m

Ref. 1600397-001

Ref. 1600397-0 special length



### B4VR 400 hose for MC3 micromotor

With coupling rotating through 400°, bayonet connector on unit side, Ø 10 mm hose in grey silicone, standard length 1.7 m

Ref. 1600398-001

Ref. 1600398-0 special length



### B4VR 400 hose pack for MC3 micromotor

Complete hose ref. 1600398-001 with bayonet connector for unit, Ø 18 mm way and anti-rotation slot, standard length 60 cm ref. 1600280-001

Ref. 1700043-001



# HOSES FOR TURBINES AND MC2, MC3, BASCH, MX-LED MICROMOTORS



Whether fitted with an air exhaust, whether intended to function with or without light, or whether or not they are sterilizable, our hoses for turbines and MC2, MC3, BASCH and MX-LED micromotors offer all the qualities you expect from 100% Swiss Made products. They are manufactured from very high-quality materials and are extremely resistant and flexible. Every hose is assembled by hand and is individually tested. A guarantee of quality and unfailing reliability.



## FREE MOVE

Freedom of movement for optimum working comfort. Thanks to its flexible and light rotating quick-connect coupling, the Bien-Air motor/turbine/hose combination will prove a pleasant work companion day in, day out.



## GOLD CONNECT

Bien-Air equips its instruments with gold-plated electrical contacts. This results in excellent electrical conductivity and improved resistance to oxidation.



## SWISS MADE

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## 4VLM HOSES WITH INTEGRAL AIR EXHAUST FOR TURBINES, MC3 AND AQUILON MICROMOTORS

The 4VLM hose is suitable for turbines, Aquilon air micromotors and MC3 electric micromotors, with or without light. Fitted with a fixed coupling and air exhaust, this Swiss Made hose is manufactured from high-quality materials which ensure flexibility and long service life. Lengths of up to 3 m available.



### 4VLM multi-purpose hose, grey

With 4-way coupling with electrical socket, integral air exhaust, Ø 11 mm hose in grey silicone, standard length 1.7 m

Ref. 1600097-001

Ref. 1600097-0 special length



### 4VLM multi-purpose hose, black

With 4-way coupling with electrical socket, air exhaust, Ø 11 mm hose in black silicone, standard length 1.7 m

Ref. 1600098-001

Ref. 1600098-0 special length



## 4VLM HOSES WITHOUT INTEGRAL AIR EXHAUST FOR TURBINES, MC3 AND AQUILON MICROMOTORS

The 4VLM hose without integral air exhaust is suitable for turbines, Aquilon air micromotors and MC3 electric micromotors, with or without light. Fitted with a fixed coupling, this Swiss Made hose is manufactured from high-quality materials which ensure flexibility and long service life.



### 4VLM multi-purpose hose, grey

With 4-way coupling with electrical socket, Ø 10 mm hose in grey silicone, standard length 1.7 m

Ref. 1600102-001

Ref. 1600102-0 special length



### 4VLM multi-purpose hose, black

With 4-way coupling with electrical socket, Ø 10 mm hose in black silicone, standard length 1.7 m

Ref. 1600103-001

Ref. 1600103-0 special length



## HOSE WITH FIXED COUPLING FOR MC2 MICROMOTORS

For all MC2 series electric micromotors, with or without light. Hoses with fixed couplings, delivered with an adaptor allowing the connection of motors without light. Straight or coiled hoses, black or grey. Standard length 1.7 m or special lengths up to 3 m.



### Hose with fixed coupling, grey

With fixed coupling, with adapter for version without light, Ø 10 mm hose in grey silicone

Ref. 1600120-001 standard length 1.7 m

Ref. 1600120-0 special length



### Hose with fixed coupling, black

With fixed coupling, with adapter for version without light, Ø 10 mm hose in black silicone

Ref. 1600297-001 standard length 1.7 m

Ref. 1600297-0 special length



### Coiled hose with fixed coupling, black

With fixed coupling, with adapter for version without light, coiled black silicone

Ref. 1600315-001 standard length 1.7 m



## HOSES WITH ROTATING COUPLING FOR THE MC2 WITH LIGHT

Swiss Made hose for electric micromotors with light, i.e. Isolite 100 and 300 in the MC2 series. Hoses with rotating couplings, black or grey, manufactured from high-quality materials ensuring flexibility and long service life. Standard length 1.7 m or special lengths up to 3 m.



### Hose with rotating coupling, grey

With rotating coupling, Ø 10 mm hose in grey silicone

**Ref. 1600298-001** standard length 1.7 m

**Ref. 1600298-0** special length



### Hose with rotating coupling, black

With rotating coupling, Ø 10 mm hose in black silicone

**Ref. 1600299-001** standard length 1.7 m

**Ref. 1600299-0** special length



## STERILIZABLE CABLE FOR BASCH CHIROPPO 980 MICROMOTOR

Swiss Made cable for Basch brushless micromotor. Application in implantology. Hose and micromotor are sterilizable in an autoclave at 134°C, as per ISO Standard 7785. Standard length 3 m or special length.

135



### Cable for Basch micromotor

Cable with fixed coupling, length 3 m, sterilizable in an autoclave at 134°C, black

**Ref. 1600342-001**

**Ref. 1600342-0** special length



## STERILIZABLE CABLE FOR CHIROPPO L MX-LED MICROMOTOR

Swiss Made hose for MX-LED brushless micromotor. Application in implantology, sterilizable in an autoclave at 134°C, in line with ISO 7785 standards. Length 2 m.



### Cable for MX-LED Chiropro L micromotor

Cable with fixed coupling, length 2 m, sterilizable in an autoclave at 134°C, white

**Ref. 1600606-001**



## SIMPLIFIED MAINTENANCE

Simplicity and effectiveness: these two words perfectly describe the Bien-Air range of maintenance products.

They provide you with perfect assistance in the daily use of your favourite instruments.

The Bien-Air range of maintenance products comprises four lines: Aquacare, Spraynet, Lubrifluid and Lubrimed. Each product is made for a specific cleaning and/or lubrication stage, and they work together to give your instruments impeccable hygiene and unrivalled service life.

## MAINTENANCE PRODUCTS



## MAINTENANCE SPRAYS



The Bien-Air range of maintenance sprays comprises three distinct products: Aquacare, Spraynet, Lubrifluid. Each spray is made for a specific cleaning and/or lubrication stage, and they combine to offer effective and very simple maintenance.

## CLEANING WITH AQUACARE

Cleaning spray for handpieces and contra-angles used with physiological liquid. Particularly recommended for implantology and dental surgery instruments. Cleans irrigation tubes and dissolves impurities. Follow the recommendations given in the instructions for use, supplied with each instrument.

139



Squirt into the spray tube



Squirt into the interior of handpieces and contra-angles



### Aquacare

Cleaning spray 500 ml.  
Box of 6. Cleaning product for instruments used with physiological liquid  
**Ref. 1600617-006**



### Spraynet

Cleaning spray 500 ml.  
Box of 6.  
For instruments and equipment  
**Ref. 1600036-006**



### Lubrifluid

Spray lubricant oil, 500 ml. Box of 6.  
For turbines, handpieces, contra-angles, micromotors in the MX, Basch and Aquilon families  
**Ref. 1600064-006**

For more details, please refer to the operating instructions for the instruments and devices.

## CLEANING WITH SPRAYNET

Cleaning spray for instruments and appliances.  
Dissolves impurities. Follow the recommendations given in the instructions for use supplied with each instrument.



### External cleaning

It is recommended that a clean cloth sprayed with Spraynet is used to clean and maintain the surfaces of hoses, cables, non-waterproof equipment and housings and electric motors. Direct spraying is perfectly suitable for all contra-angles, hand-pieces, turbines and air and brushless electric motors.



### Internal cleaning

Warning: Any instrument cleaned internally with Spraynet must always be relubricated before storage or sterilization. See maintenance instructions. This procedure will ensure that the instrument runs well during each operation and for many years.

For more details, please refer to the operating instructions for the instruments and devices.

## LUBRICATION WITH LUBRIFLUID

New, even more effective lubricating solution. It extends the service life of your instruments and ensures they operate correctly. Follow the recommendations given in the instructions for use supplied with each instrument.



### Lubricate before each sterilization or at least twice a day.

Lubricate with the standard nozzle for hand-pieces, contra-angles and turbines with ball bearings: squirt for 1 second through the back of the instruments.



Standard nozzle and small adapter for brushless motors and air motors. Lubricate air motors via the back of the appliance for 0.5 to 1 second.

### Important note

Unsuitable for non-sterilizable brush motors.

For more details, please refer to the operating instructions for the instruments and devices.

## LUBRIMED MEDICAL GREASE

Medical grease for turbines with ball bearings.  
Packed in boxes of 6 cartridges. Turbines are lubricated using the Lubrimed greaser.

**IMPORTANT: unsuitable for Eolia turbines.**



### First-time use:

Remove the cap and rotate the knurled rear section until grease appears at the tip. Wipe off excess grease and put the cap back on after use.



Lubricate before each sterilization or at least twice a day.

Remove the bur and insert the tip of the greaser as far as it will go. The dose required corresponds to a half-turn of the knurled rear section. Use the reference marks.



For more details, please refer to the operating instructions for the instruments and devices.



### Lubrimed

Medical grease for ball-bearing turbines, except Eolia.

Box of 6 cartridges

Ref. 1600037-006



### Lubrimed greaser

For ball-bearing turbines, except Eolia

Ref. 1000003-001



### Cleaning wire

For unblocking the spray ducts of turbines, contra-angles and handpieces.

Box of 10

Ref. 1000001-010

## BIEN-AIR QUALITY

In order to guarantee long-term optimum performance as well as continuously renewed joy while working, Bien-Air has designed a range of top-quality accessories and control instruments. These all benefit from the same attention to detail as the other products in the range. Bien-Air quality, right down the line.

## ACCESSORIES AND CONTROL INSTRUMENTS



## ACCESSORIES FOR TURBINES



**Key for screw chuck**  
Key for screw chuck  
for Gyro and Gyrolina turbines.  
Sterilizable  
Ref. 1000000-001



**Key for friction grip (FG)**  
Key for friction grip (FG)  
for Gyro and Gyrolina turbines.  
Sterilizable  
Ref. 1000002-001



**Box of 5 bulbs**  
For turbines  
Ref. 1500000-005



**PL 822 FO without housing**  
Power supply for lighting,  
electronically controlled  
Ref. 1600140-001



**PLPE 890 FO**  
For powering 2 lighting systems independently,  
controlled pneumatically.  
Outputs with 10-second time lag  
Ref. 1600142-001



**2-3 way Eolia B coupling**  
2-3 way bayonet quick-connect coupling,  
for first generation Eolia B  
Ref. 1600466-010 (10 pieces)



**4-way Eolia B coupling**  
4-way bayonet quick-connect coupling,  
for first generation Eolia B  
Ref. 1600467-010 (10 pieces)

## ACCESSORIES FOR CONTRA-ANGLES WITH EXTERNAL IRRIGATION



**Detachable irrigation set**  
Comprising 10 rings and 10 side tubes.  
For CA 1:1 contra-angle with external irrigation  
Ref. 1500431-010



**Detachable Kirschner/Meyer irrigation set**  
Comprising 10 rings, 10 side tubes and 10 K/M tubes.  
For CA 30:1 contra-angle with external irrigation  
Ref. 1500467-010



**Detachable Kirschner/Meyer irrigation set**  
Comprising 1 ring and 1 K/M tube.  
For CA 30121 contra-angle with external irrigation  
Ref. 1500028-001



## ACCESSORIES FOR STRAIGHT HANDPIECES



### PM 1:1 sleeve

With external irrigation tube.

For straight handpiece PM 1:1 ref. 1600052-001

Ref. 1500552-001



### PM 1:1 sleeve

Without external irrigation tube.

For straight handpiece PM 1:1 ref. 1600052-001

Ref. 1500003-001



### PM 1:2 sleeve

With external irrigation tube.

For straight handpiece PM 1:2 ref. 1600436-001

Ref. 1500567-001



### PM 1:2 sleeve

Without external irrigation tube.

For straight handpiece PM 1:2 ref. 1600436-001

Ref. 1500568-001



## BULBS FOR MICROMOTORS



### Box of 5 bulbs

For micromotors

Ref. 1500007-005



## OPTIMA MX<sup>INT</sup> ACCESSORIES



### Optima MX<sup>INT</sup> unit

Optima MX<sup>INT</sup> control unit,  
controls the MX micromotor

Ref. 1600534-001



### Mounting bracket

For fixing the Optima MX<sup>INT</sup> control unit

Ref. 1302927-001



### PL DMS relay

For Optima MX<sup>INT</sup> control unit

Ref. 1500554-001



### 16-pin cable

For Optima MX<sup>INT</sup> control unit

Ref. 1500868-001

## OPTIMA MX<sup>INT</sup> ACCESSORIES



### Converter

Converter IN 24 Vac/OUT 32 Vdc-24 Vdc  
for DMX

Ref. 1500580-001



### DMX Standard

DMX Standard electronic unit  
for Optima MX<sup>INT</sup> control unit,  
with endo functions

Ref. 1600472-001



### DMX Basic

DMX Basic electronic unit  
for Optima MX<sup>INT</sup> control unit,  
without endo functions

Ref. 1600473-001



### Transformer

80-240 Vac transformer, with 5-meter 32 Vdc cable,  
for Optima MX<sup>INT</sup> control unit

Ref. 1600591-001

## CHIROPRO L ACCESSORIES



### Chiropro L irrigation lines

Set of 10 sterile, single-use irrigation lines.  
For Chiropro L control unit,  
flow rate adjustable from 30 - 150 ml/min

Ref. 1500984-010



### Irrigation line fixing clips

Set of 10 fixing clips  
for Chiropro L irrigation line

Ref. 1303711-010



### Chiropro L foot pedal

Pedal with 3 buttons and variable speed drive.  
Functions: progressive speed,  
ON/OFF peristaltic pump, program selection,  
selection of the motor's direction of rotation

Ref. 1600631-001

## MISCELLANEOUS



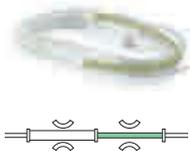
### Holder

For handpieces and motors

Ref. 1301575-001



## CHIROPRO 980 ACCESSORIES



### Chiropro 980 irrigation lines

Set of 10 sterile single-use irrigation lines with a choice of two flow rate ranges according to hose diameter: from 30 to 130 ml/min with the white silicone hose or from 15 to 65 ml/min with the green silicone hose

Ref. 1100037-010



### Irrigation line fixing clips

Set of 10 fixing clips for Chiropro 980 irrigation line

Ref. 1300064-010



### 2-button pedal

For Chiropro 980 control unit

Ref. 1600281-001

## MISCELLANEOUS



### Holder

For handpieces and motors

Ref. 1301575-001



## MEASURING INSTRUMENTS

The air pressure gauges measure the pressure of the air entering turbines and air motors. The flowmeter placed on the nose of electric motors measures the flow of cooling air.



### 3-way pressure gauge

For 3-way coupling

Ref. 1600242-001



### 4-way pressure gauge

For 4-way coupling with or without light

Ref. 1600243-001



### Flow meter

For series MC2, MC3 and MX micromotors

Ref. 1600307-001

## GENERAL TERMS OF SALE BIEN-AIR DENTAL SA

The terms of sale and delivery are valid for all contracts, deliveries and other services. Local sales, warranty and delivery conditions are available from the Bien-Air subsidiaries.

### Technical assistance

Technical assistance for the use of our products can be provided by direct contact, in writing, via electronic media or by demonstration.

### Prices, technical data

Bien-Air Dental SA reserves the right to change the prices and technical data appearing in this catalog and its documentation without prior notice

### Costs and invoicing within Swiss territory and for exports

Our prices are net ex works in Swiss francs (CHF). All ancillary packaging, shipment, insurance and authorisation costs are invoiced to the customer, along with costs incurred for acceptance inspection, establishing certificates or notarized documents and any other similar costs. The minimum invoice amount is CHF 500.–.

### Payment by credit card

Direct payment is accepted with the Visa®, Eurocard®, Mastercard® and American Express® credit cards.

Credit card company commission is invoiced separately.

### Terms of payment

Based on a written agreement in the quote or the confirmation of order. In the event of late payment, interest on arrears will be invoiced in accordance with the rate of prevailing interest as published by the Swiss Banks. If the payment date agreed by the parties is not adhered to, the customer will automatically receive formal notice.



### Reservation of ownership

The goods delivered shall remain the property of Bien-Air Dental SA until full payment of the corresponding invoice.

### Cost and risks

The buyer shall be responsible for the goods as soon as they leave the factory, unless other provisions are contained in the contract (Incoterms 2000).

### Delivery time

Delivery times shall be complied with insofar as possible provided that the buyer supplies all the documents necessary for shipment, within the deadlines required by Bien-Air Dental SA. Cases of force majeure shall discharge Bien-Air Dental SA of all obligations. Any claim for damages shall be excluded in the event of a delivery delay unless there is serious negligence on the part of Bien-Air Dental SA.

### Cancellation

All order cancellations must be approved by Bien-Air Dental SA.

### Liability

Bien-Air Dental SA can only be held liable in relation to the provisions herein and in accordance with the legal provisions relating to product liability, liability as a «manufacturer» as defined in Dir. 93/42/EEC for clean medical appliances and liability as a «manufacturer» as defined Dir. 2006/42/EC for clean laboratory instruments.

The customer has sole liability for choosing products and services which meet his needs. As a professional, the customer must check the conditions of use of the products, in particular the use intended by Bien-Air Dental SA, contra-indications or warnings and, where necessary, expiry dates.

### Applicable law – Jurisdiction

Swiss domestic law («Code des obligations») shall be applicable in addition to the general terms and particular agreements between the customer and Bien-Air Dental SA.

**Jurisdiction: 2504 Biel/Bienne, Switzerland**

## GENERAL WARRANTY TERMS BIEN-AIR DENTAL SA

Bien-Air Dental SA makes every effort to provide its customers with products of impeccable quality and guarantees them, **within the limits set out herein and in special agreements concluded**, against all operating defects and material or manufacturing defects, for the following time periods starting from the invoice date and under the following conditions:

- The warranty period is 12 months for all devices.
- The warranty period is 18 months for electric micromotors in the MC2, MC3 and BASCH series.
- The warranty period is 24 months for electric micromotors in the MX, MX-LED, Prolab Basic series.  
Bien-Air also offers a 24-month guarantee for the light conducting glass rods.
- Parts made from synthetic materials and bulbs are not covered by the warranty.

In general, the warranty does not exempt the customer from the obligation to contact Bien-Air for information in case of doubt and in particular when the product is used in conditions not originally explicitly provided for.

The buyer is obliged to check the goods received within 8 days of their receipt. If the goods are not checked within the period mentioned above, the customer shall be deemed to have accepted the goods, barring hidden defects..

The defect notice must be received in writing by Bien-Air within the aforementioned period and must contain the customer's name, the date of purchase, and the product reference and serial number.

In the event of complaints, Bien-Air Dental SA or its authorized representative shall repair or replace the product free of charge, after analyzing whether the complaints is justified. All other complaints of any kind whatsoever, particularly claims for damages, are excluded.

Bien-Air Dental SA shall not be held liable for damage or injury and the consequences thereof, resulting in particular from:

- excessive wear,
- inappropriate use,
- failure to comply with operating instructions, assembly instructions or maintenance instructions,
- unusual chemical, electrical or electrolytic influences,
- faulty air or water seals or electrical connections.

In any case the guarantee becomes null and void if the product is not properly serviced or is modified by third parties not authorized by Bien-Air Dental SA.

In case of dispute as to whether or not the defect exists, it shall be incumbent on the customer to prove the existence of the defect.

Guarantee claims shall be taken into consideration only upon presentation, with the product, of a copy of the invoice or delivery slip on which the date of purchase, the product reference and serial number should appear clearly.

### **Applicable law – Jurisdiction**

Swiss domestic law («Code des obligations») shall be applicable in addition to the general terms and particular agreements between the customer and Bien-Air Dental SA.

**Jurisdiction: 2504 Biel/Bienne, Switzerland**

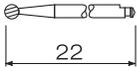
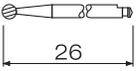
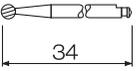
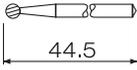
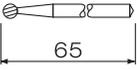
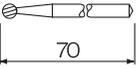
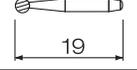
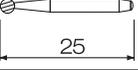
**EXTRACTS FROM ISO STANDARDS AND TABLE  
OF TOOLS CORRESPONDING TO BIEN-AIR INSTRUMENTS**

To work in optimum conditions, it is necessary to use tools (burs) of high quality which meet standards relating to diameter and length. We describe below the main characteristics of the burs and indicate the reference numbers of the corresponding international standards.

**WHICH BUR FOR  
WHICH BIEN-AIR INSTRUMENT?**

Information subject to technical modification, without any obligation on the part of Bien-Air Dental.

Excerpt from International Standard  
ISO 6360/1, Tableau 5

	Bur length and code number		
	Normal	Long	Extra long
ISO code 6th digit	4	5	6
Type shank 1*			
Type shank 2*			
Type shank 3*			

\* Shanks as per ISO 1797

Dimensions in mm

**Abbreviations of locking mechanisms**

- FG** Friction Grip locking mechanism
- BI** Screw chuck locking
- BP** Push-button locking
- RO** Bur locking by rotating ring

Name of instrument	System of locking	Shank Ø in mm, ISO type	Max. total length, ISO code
<b>Turbines for dental units</b>			
Bora	BP	1,6 / type 3	25 / code 4 to 6
Boralina	BP	1,6 / type 3	21 / code 4 to 5
Prestige	BP	1,6 / type 3	21 / code 4 to 5
Prestilina	BP	1,6 / type 3	21 / code 4 to 5
Gyro	FG + BI	1,6 / type 3	19 / code 4
Gyrolina	FG	1,6 / type 3	19 / code 4
Eolia	BP	1,6 / type 3	21 / code 4 to 5
Black Pearl Eco	BP	1,6 / type 3	21 / code 4 to 5
<b>Contra-angles and handpieces with internal spray</b>			
CA 1:5	BP	1,6 / type 3	21 / code 4 to 5
CA 1:1	BP	2,35 / type 1	22 / code 4
CA 10:1	BP	2,35 / type 1	22 / code 4
PM 1:1	RO	2,35 / type 2	44,5 / code 4
<b>Implantology contra-angles with internal irrigation</b>			
CA 20:1	BP	2,35 / type 1	22 / code 4
<b>Contra-angles and handpieces with external irrigation</b>			
CA 1:1	BP	2,35 / type 1	26 / code 4 to 5
CA 30:1	BP	2,35 / type 1	34 / code 4 to 6
CA 1122	BP	2,35 / type 1	26 / code 4 to 5
CA 30121	BP	2,35 / type 1	34 / code 4 to 6
PM 1:2	RO	2,35 / type 2	44,5 / code 4
PM 1:1	RO	2,35 / type 2	44,5 / code 4
<b>Handpieces and turbines for laboratory</b>			
PM 1:1 ext spray	RO	2,35 / type 2	44,5 / code 4
PML 1:1	RO	2,35 / type 2	44,5 / code 4
TD 783 / TDS 890	FG	1,6 / type 3	25 / code 4 to 6

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## CONDITIONS AND STANDARDS

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## SIMPLIFYING YOUR WORKING LIFE

Backed by 50 years of experience in dental medicine, Bien-Air offers a range of solutions and products renowned throughout the world for their excellence. 100% Swiss Made, Bien-Air products are designed and manufactured in the heart of the famous «Watch Valley», the birthplace of a unique expertise in the field of micro-technology. Famous for its implantology systems and its handpieces, Bien-Air is also the world's largest producer of superior quality micromotors for dental medicine.

Our products have been developed as a direct response to the day-to-day work of professionals practicing in the 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.



## EFFICIENT AND PROFITABLE SOLUTIONS

With Bien-Air, it has never been so easy to design and machine superior quality prosthetics in your laboratory. Thanks to an obsession with simplicity and reliability, the specialists at Bien-Air Laboratory have developed a CAD-CAM system able to meet the very highest requirements.

The Bien-Air CAD-CAM system pushes the limits of precision, ease of use and profitability even further.

Quality prosthetics also means quality materials. This is why Bien-Air Laboratory provides you with ten renowned prosthetic materials, covering all the needs of a modern dental laboratory.

## CAD-CAM



# CAD-CAM SOLUTIONS TO MEET YOUR EVERY NEED



### Advantages of the Bien-Air CAD-CAM system:

- easy to use
- top quality results
- versatile
- quick machining
- wide selection of prosthetic materials
- compact design perfect for laboratories
- adaptable software
- open system (STL)



The Bien-Air CAD-CAM system is comprised of a scanner (Scan200), a prosthetic design software package (DentCAD), machining program software (DentMILL), and a CNC milling machine (Mill200). The whole system is controlled by a computer.

This open system makes it possible to use standard STL files.

You can thus receive and exchange files on incomplete or finished prosthetics with your partners.

High quality equipment and materials, rapid machining, unrivalled ease of use, unique versatility, future proof software and incomparable results: all these reasons have earned Bien-Air its worldwide reputation. You can't go wrong.

Systems	Mill200
Inlays/Onlays/Veneers	•
One-piece crowns	•
Bridges of 3 to 14 elements	•
Bridges-Inlays	•
Glued bridges	•
Telescopic crowns	•
Implants-Abutments	•

# SCAN200



1 LED fringe light projector

2 high-resolution cameras

Ultra-precise positioning cradle

Steel frame offering great stability

Takes up minimal space

To obtain a quality prosthetic, you have to start with a good quality scan of the impression. The Scan200 offers you the best in industrial technology right from the start of the process, and is very easy to use. It is able to scan up to 14 elements at a time, with the same guaranteed precision, whatever type of plaster is used. The frame of the Scan200 plays a fundamental role. Made entirely of steel, it ensures perfect stability during the scanning process. The result? Unrivalled precision and clarity, showing the most minute details. What is more, its ultra-precise drive mechanism allows for great freedom of movement, for perfect images with no holes or dead zones. The control program itself is both comprehensive and user friendly.



## Scan200 specifications:

- indications: crowns, inlays, pontic, wax-up and checkbite
- can scan from a single element to a full arch at a time
- scan surface area: 100 mm diameter
- white light technology (fringe scan)
- 2 high-resolution cameras
- precision: 20 microns
- noise level less than 5 microns
- repeatability: 10 microns
- rapidity: 60 to 90 seconds per element
- autocalibration: 30 seconds
- multi-die option
- external dimensions in mm: L 450 x H 630 x D 300
- weight: 22 kg

## Bien-Air Scan200 including DentCAD (CAD)

Set comprising DentCAD software, PC\*, keyboard, mouse  
Ref. 1700288-001

## Bien-Air CAD-CAM System

Set comprising:

Bien-Air Scan200 incl. DentCAD (CAD) ref. 1700288-001

Bien-Air Mill200 incl. DentMILL (CAM) ref. 1700290-001

Training and installation

Ref. 1700283-001

\* PC with screen, keyboard and mouse, configuration: T3400: 525W Intel Core 2 Quad Q9550 (2.83GHz, 1333MHz, 12MB), 4GB DDR2 800MHz ECC Dual Channel Memory (4x1GB), Hard disc: 500Go Serial ATA II (7200 rpm), Player 16X DVD-ROM, Screen: 20" 2007FP Suisse Noir UltraSharp (1600 x 1200) TC099 DVI-D, 512MB PCIe x16 nVidia Quadro FX 1700 (MRGA14L), Dual Monitor DVI or VGA Graphics Card.

# MILL200 TECHNOLOGY AND INGENUITY COMBINED



A veritable concentration of technology and ingenuity, this 100% Swiss-made machine rivals the best industrial CNC machines. The Mill200 is fitted with an SD card reader for the exchange of data. With ball screw spindles connected to the axis motors, the machine offers extraordinary precision in repeated positioning. The ultra-stable cast iron structure of the Mill200 absorbs most vibrations. The vertically positioned vice for holding materials allows rapid downward evacuation of chips and dust. The service life of these tools is longer and the precision of machining has been further improved. The linear movements are ensured by high precision recirculating ball slide rails. These guarantee a very long service life. Quality is never left to chance!

## Characteristics Mill200:

- effective machine volume: blanks Ø 90 mm x d 20 mm
- spindles: 2 x Ø 38 mm
- chuck: ER16, Ø 10 mm max.
- motor speed: 300 - 25,000 rpm, 0.45 kW
- liquid cooled
- automatic measurement of tool length
- travel X: 255 mm, Y: 150 mm, Z: 100 mm
- rapid traverse 10 m/min
- minimum resolution of 1 micron
- pneumatic turning of material, 180°
- integrated computerized numerical control
- electronic knob controlling movement of the linear axes, resolution 1 micron
- ISO language programming
- SD card reader for loading and storing programs
- electrical connection: 230 V/50 Hz
- pneumatic connection: 5 bars
- dimensions (L/H/D) weight: 800 x 700 x 800 mm/170 kg



## Bien-Air Mill200 including DentMILL (CAM)

Set comprising 2 additional chucks, DentMILL software, plus blocks of the following materials: 1x DC-Shrink®, 5x DC-Tell®, 1x DC-Titan®, 1x DC-Cast®, 1x set DC-Liner, 1x DC-Cor red, 1x DC-Cor white. Also 1 set of tools, 1x coolant liquid plus training and installation

**Ref. 1700290-001**

## Bien-Air Mill200 without DentMILL (CAM)

Additional milling machine including: 2 additional chucks, 1 set of tools, 1x coolant liquid plus installation

**Ref. 1600627-001**

## Bien-Air CAD-CAM System

Set comprising:

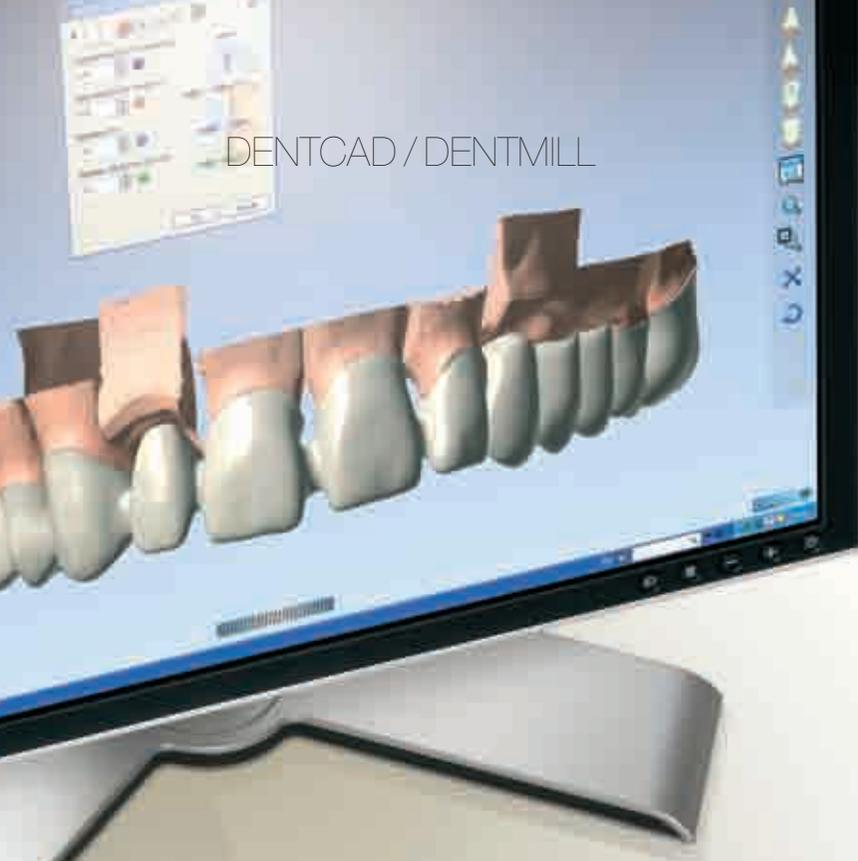
Bien-Air Scan200 incl. DentCAD (CAD) ref. 1700288-001

Bien-Air Mill200 incl. DentMILL (CAM) ref. 1700290-001

Training and installation

**Ref. 1700283-001**

## DENTCAD / DENTMILL



### DENTCAD

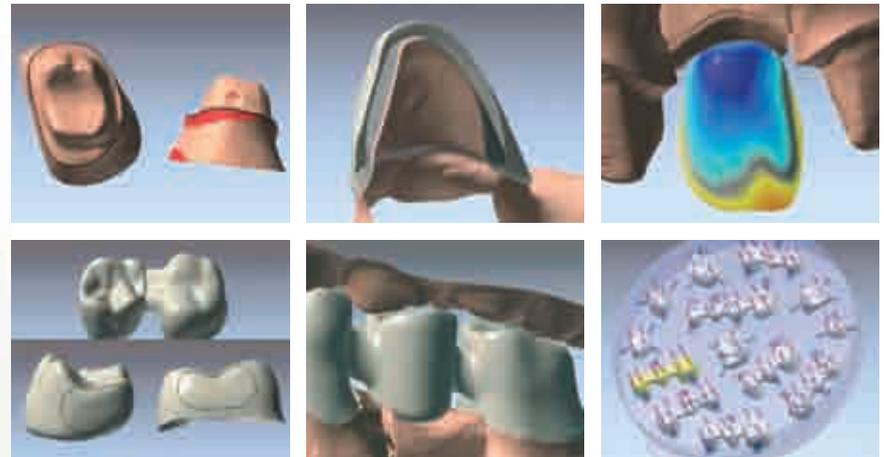
Thanks to DentCAD, computer-assisted design of prosthetics has never been so easy. A powerful processing program, DentCAD allows you to design prosthetics quickly and intuitively with truly professional results. Powerful functions are available to make life easier. You'll love the complete and user-friendly graphic user interface.

### DENTMILL

The product of 25 years' experience, DentMILL is a CAM software package enabling you to configure and control the machine's programming and milling operations. DentMILL is so simple to use that there is no need for any prior CAM experience. No more wasted time: the optimum machining programs are automatically recommended to you. The results obtained using DentMill are amazing. The surface finish is of such a high quality that hand finishing work is not necessary.

### DentMILL specifications (CAM):

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



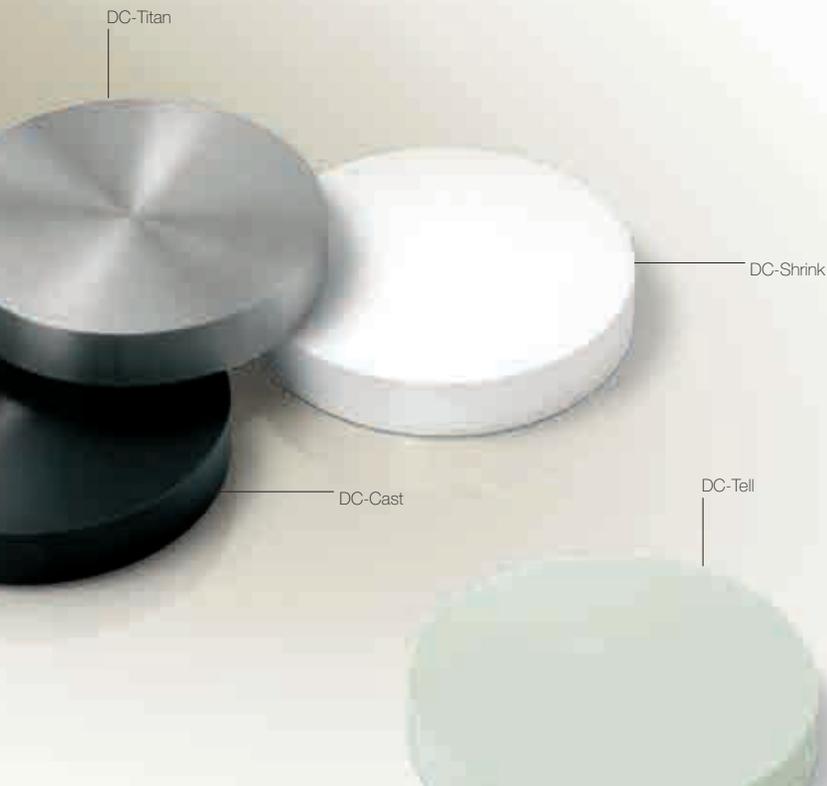
### DentMILL (CAM) specifications:

- simple to use, graphic user interface
- preset machine programs
- no CNC experience necessary
- optimized use of material (nesting)
- no limit to number of elements
- compensation for the shrinkage coefficient can be configured (thermal treatment)

# PROSTHETIC MATERIALS A SOLUTION FOR YOUR EVERY NEED

Bien-Air Laboratory offers you a range of certified prosthetic materials recognized\* for their top-level performance. Suitable for all requirements, the Bien-Air range offers you a broad range of solutions, from highly-affordable temporary materials to DC-Zirkon®, renowned for its aesthetic qualities and great strength.

To perfect this range, Bien-Air has collaborated with various universities and well-known international institutes, resulting in materials with a fine homogeneous structure. Their unique characteristics allow faster machining and provide exceptional quality.



The most recent of these, **DC-Croco®** is a cobalt alloy of proven quality, industrially produced and used to make the frames of crowns and bridges.

As well as **DC-Zirkon®** and **DC-Zirkon® col.**, absolute classics that were placed on the market in 1993 and are suitable for numerous indications (fully sintered zirconium), you have the choice of **DC-Shrink®** (densely sintered zirconium) and **DC-Leolux®** (fully sintered zirconium). Our range of «all ceramic» aluminium products, which includes **DC-Procura®**, provides a practical response to all user requirements. This range also includes the vitro-ceramics **DC-Cristall®** and **DC-Cream®**.

The **DC-Titan®** (single metal), is covered by the layer of bio-oxides. For non-precious alloys, we go back to **DC-Croco®**.

A «low cost» segment that is currently enjoying success: long-lasting temporary prosthetics made from **DC-Tell®** reinforced with fiberglass and **DC-Cast®** designed for the «lost-wax» casting technique.

**DC-Zirkon®**, due to its incomparable aesthetic properties and great strength, has become a real bestseller. These qualities are particularly remarkable due to the enormous level of hot isostatic pressing (HIP) to which it is subjected. The technical perfection phase took place in collaboration with various universities and made it possible to reduce the implementation time and also to optimize the material. Its long machining time becomes relative since the heating phase (sintering) is not necessary. **DC-Zirkon®** offers essential advantages to demanding professionals.

\* Prosthetic material blocks are class IIIa medical devices according to European directive 93/42/CEE.

## BLOCKS OF MATERIAL

Description      Size in mm



### DC-Zirkon® blocks

Zirconium Oxide HIP (hot isostatic pressing)

Ref. 1501143-001	Ø 90 x 8
Ref. 1501144-001	Ø 90 x 10
Ref. 1501145-001	Ø 90 x 12
Ref. 1501146-001	Ø 90 x 13.5
Ref. 1501147-001	Ø 90 x 15
Ref. 1501279-001	Ø 90 x 20
Ref. 0410.00500	80 x 50 x 8
Ref. 0410.00501	80 x 50 x 10
Ref. 0410.00502	80 x 50 x 12
Ref. 0410.00503	80 x 50 x 13.5
Ref. 0410.00504	80 x 50 x 15



### DC-Zirkon® col. blocks

Zirconium Oxide HIP (colored hot isostatic pressing)

Ref. 1501148-001	Ø 90 x 8
Ref. 1501149-001	Ø 90 x 10
Ref. 1501150-001	Ø 90 x 12
Ref. 1501151-001	Ø 90 x 13.5
Ref. 1501152-001	Ø 90 x 15
Ref. 1501280-001	Ø 90 x 20
Ref. 0410.00510	80 x 50 x 8
Ref. 0410.00511	80 x 50 x 10
Ref. 0410.00512	80 x 50 x 12
Ref. 0410.00513	80 x 50 x 13.5
Ref. 0410.00514	80 x 50 x 15



### DC-Shrink® blocks

Recommended sintering furnaces:

* Vita Zyrcomat, * Mihm-Vogt HT	
Ref. 1501168-001	Ø 90 x 15
Ref. 1501169-001	Ø 90 x 20
Ref. 0410.00754	80 x 50 x 15

Blocks of different dimensions available on request.  
In the absence of specific indications, the material is intended for crowns and bridges.

\*Vita Zyrcomat and Mihm-Vogt HT are registered trade marks of the companies of the same name.

Description      Size in mm



### DC-Leolux® blocks

Ref. 1501161-001	Ø 90 x 12
Ref. 1501162-001	Ø 90 x 15
Ref. 0410.00562	80 x 50 x 12
Ref. 0410.00564	80 x 50 x 15



### DC-Procura® blocks

For one-piece crowns only

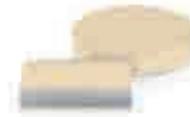
Ref. 1501163-001	Ø 90 x 8
Ref. 1501164-001	Ø 90 x 10
Ref. 1501165-001	Ø 90 x 12
Ref. 1501166-001	Ø 90 x 13.5
Ref. 1501167-001	Ø 90 x 15
Ref. 0410.00520	80 x 50 x 8
Ref. 0410.00521	80 x 50 x 10
Ref. 0410.00522	80 x 50 x 12
Ref. 0410.00523	80 x 50 x 13.5
Ref. 0410.00524	80 x 50 x 15



### DC-Cristall® blocks

For one-piece crowns only

Ref. 1501153-001	Ø 90 x 12
Ref. 0410.00552	80 x 50 x 12



### DC-Cream® blocks

For one-piece crowns only

Ref. 1501158-001	Ø 90 x 12
Ref. 0410.00702	80 x 50 x 12



Description	Size in mm
<b>DC-Titan® blocks</b>	
Ref. 1501172-001	Ø 90 x 8
Ref. 1501173-001	Ø 90 x 10
Ref. 1501174-001	Ø 90 x 12
Ref. 1501175-001	Ø 90 x 13.5
Ref. 1501176-001	Ø 90 x 15
Ref. 1501178-001	Ø 90 x 20
Ref. 0410.00012	80 x 50 x 8
Ref. 0410.00004	80 x 50 x 10
Ref. 0410.00005	80 x 50 x 12
Ref. 0410.00006	80 x 50 x 13.5
Ref. 0410.00007	80 x 50 x 15



<b>DC-Croco® blocks</b>	
Ref. 1501159-001	Ø 90 x 12
Ref. 1501160-001	Ø 90 x 15
Ref. 0410.00024	80 x 50 x 12
Ref. 0410.00026	80 x 50 x 15



<b>DC-Tell® blocks</b>	
Ref. 1501170-001	Ø 90 x 15
Ref. 1501171-001	Ø 90 x 20
Ref. 0410.01500	80 x 50 x 15



<b>DC-Cast® blocks</b>	
For casting, lost-wax technique	
Ref. 1501156-001	Ø 90 x 15
Ref. 1501157-001	Ø 90 x 20
Ref. 0410.00994	80 x 50 x 15



Blocks of different dimensions available on request.  
In the absence of specific indications, the material is intended for crowns and bridges.

# CONSUMABLES FOR QUALITY WITHOUT COMPROMISE



Retouching products, coolant liquid, anti-foam, burs: Bien-Air has created a range of consumables allowing you to optimize your results. They have been specially designed for Bien-Air machines and materials. For quality without compromise.

## DC-LINER

Bonded to zirconium oxide, DC-Liner gives it a natural and fluorescent appearance. The white translucent surface of the zirconium oxide thus has a beneficial effect on the aesthetics of the final restoration. DC-Liner is manufactured using high-quality dental ceramics based on selected raw materials. The use of DC-Liner is always advantageous when zirconium oxide frameworks are to be veneered.

### DC-Liner Z1 - Z6

10 g pots

**0440.90010** Z1 - light

**0440.90011** Z2 - reddish

**0440.90012** Z3 - yellowish

**0440.90013** Z4 - brownish

**0440.90014** Z5 - bright/intensive

**0440.90015** Z6 - grey



### DC-Liner set

Contents:

DC-Liner Z1, Z3, Z5, Z6, 2x fluid

Ref. 0440.90000

### DC-Liner, transparent liquid

1x 15 ml bottle

Ref. 0440.90021



### DC-Liner, colored liquid

1x 15 ml bottle

Ref. 0440.90020



## DC-COR

DC-Cor is a thermoplastic material that is used to correct small margin step defects in zirconium oxide frameworks.



**DC-Cor**  
White, 2 tablets  
Ref. 0410.00540



**DC-Cor**  
Red, 2 tablets  
Ref. 0410.00541



**Zircon oxide test tablet**  
10 pieces  
Ref. 0410.00530

## LIQUIDS FOR MACHINES

Antifoaming liquid and coolant fluid for the machine center.



**Coolant fluid**  
5 liters  
Ref. 0440.00150



**Anti-foam**  
1 liter  
Ref. 0450.10022

**Filter for machine**  
100  $\mu$ m  
Ref. 0440.10002

## BURS FOR BIEN-AIR MILL200

First-choice tools manufactured from extra-strength tungsten carbide, with a cutting edge specially adapted to suit the parameters of the Mill200. Precision and longevity combine to meet your most stringent demands.



### Tungsten carbide bur

For DC-Shrink®, DC-Tell® and DC-Cast®  
Ø 1 mm  
Box of 2  
Ref. 1304134-002



### Tungsten carbide bur

For DC-Titan®  
Ø 1.5 mm  
Box of 2  
Ref. 1304135-002



### Tungsten carbide bur

For DC-Shrink®, DC-Tell® and DC-Cast®  
Ø 3 mm  
Box of 2  
Ref. 1304136-002

## BURS FOR DCS PRECIDENT SYSTEM

High quality tools to meet your most stringent requirements. Made of tungsten carbide or diamond, or specially dimensioned for DC-Croco®, they are particularly precise and hard-wearing in order to guarantee a long service life.



### Tungsten carbide bur

Ø 1 mm  
Box of 5  
Ref. 0420.00000



### Tungsten carbide bur

Ø 1.5 mm  
Box of 5  
Ref. 0420.00001



### Tungsten carbide bur

Ø 2 mm  
Box of 5  
Ref. 0420.00002



### Tungsten carbide bur

Ø 3 mm  
Box of 5  
Ref. 0420.00003



**Tungsten carbide bur for DC-Croco®**  
Ø 1 mm  
Box of 5  
Ref. 0420.02001



**Tungsten carbide bur for DC-Croco®**  
Ø 1.5 mm  
Box of 5  
Ref. 0420.02002



**Tungsten carbide bur for DC-Croco®**  
Ø 2 mm  
Box of 5  
Ref. 0420.02003



**Tungsten carbide bur for DC-Croco®**  
Ø 3 mm  
Box of 5  
Ref. 0420.02004



**Diamond bur**  
Ø 1 mm  
Box of 5  
Ref. 0420.01010



**Diamond bur**  
Ø 1.5 mm  
Box of 5  
Ref. 0420.01001



**Diamond bur**  
Ø 2 mm  
Box of 5  
Ref. 0420.01002



**Diamond bur**  
Ø 3 mm  
Box of 5  
Ref. 0420.01004



**Diamond bur**  
Ø 5 mm  
Box of 5  
Ref. 0420.01006

## PRECISION, VERSATILITY AND ROBUSTNESS

Particularly simple and robust, Bien-Air laboratory systems or instruments enjoy a reputation for performance and reliability that is already firmly established. Backed by more than 50 years of experience in the field of rotary instruments, at first pneumatic then using electric micromotors, Bien-Air has been able to meet the increasing demands involved in the retouching of prosthetics and ceramics in the laboratory. You will find an indispensable assistant in the range of laboratory systems or instruments from Bien-Air.

## LABORATORY CONTROLS



# PNEUMATIC CONTROLS



Particularly robust and simple to use, Bien-Air pneumatic units and their TD and TDS turbines provide the optimum response to the demands of ceramics and prosthetics specialists. Ideal for delicate, precise work, robust and simple to use, these units are unrivalled.

The STS Trimmer unit stands out due to its superior qualities. Fitted with a 1.4 liter tank, it can operate autonomously for significant periods. Controlled by separate switches, the flow rate and the air/water spray mixture can be finely adjusted for optimum cooling.

In combination with turbines fitted with a dustproof shield and Friction Grip chuck, Bien-Air pneumatic assemblies offer you the best... over the long-term.

## STS-TRIMMER PNEUMATIC CONTROL WITH SPRAY

Simple and efficient table control with a large tank, fitted with the TDS 890 straight turbine.

### Specifications:

- controls the TDS 890 turbine with spray
- turbine speed up to 300,000 rpm
- turbine ideal for delicate, precise work
- large 1.4 liter tank
- air/water mixture plus adjustable spray flow rate
- manual spray switch
- pedal to adjust turbine speed and activate spray
- straight hose in grey silicone, 4-way coupling
- reliability under all conditions
- allows machining of ceramic and zirconia



### STS-Trimmer unit with spray

- 1 STS -Trimmer unit with spray ref. 1600643-001
- 1 TDS 890 turbine with internal spray ref. 1600163-001
- 1 pedal ref. 1600312-001
- 1 straight hose with 4-way coupling ref. 1600390-001

**Ref. 1700296-001**

## PNEUMATIC CONTROLS FOR TD 783 TURBINES

Simple and efficient controls, fitted with the TD 783 straight turbine. A choice of two versions, the S001 table model, stable yet compact, or the SF811 wall or table-leg mounted unit, for extra working space.

### Specifications:

- turbine speed up to 300,000 rpm
- turbine ideal for delicate, precise work
- pedal to adjust turbine speed
- straight hose in grey silicone, internal Ø 1/8"
- reliability under all conditions



### S001 set

- |                                     |                  |
|-------------------------------------|------------------|
| 1 S001 table model                  | ref. 1600318-001 |
| 1 TD 783 turbine                    | ref. 1600161-001 |
| 1 pedal                             | ref. 1600312-001 |
| 1 coiled grey hose, internal Ø 1/8" | ref. 1200022-001 |
- Ref. 1700126-001**



### SF 811 set

- |                                     |                  |
|-------------------------------------|------------------|
| 1 SF 811 wall-mounted unit          | ref. 1600167-001 |
| 1 TD 783 turbine                    | ref. 1600161-001 |
| 1 pedal                             | ref. 1600312-001 |
| 1 coiled grey hose, internal Ø 1/8" | ref. 1200022-001 |
- Ref. 1700083-001**

## STRAIGHT TURBINES

With a speed of 300,000 rpm, these straight laboratory turbines prove ideal for delicate, precise work. A dust protection shield, unique to Bien-Air, helps give them an extraordinarily long service life.

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### TD 783 turbine

For connection to hose, internal Ø 1/8" (3.17 mm), friction grip (FG), bur shank Ø 1.6 mm  
**Ref. 1600161-001**



### TD 783 turbine

For 2-way coupling hose, friction grip (FG), bur shank Ø 1.6 mm  
**Ref. 1600162-001**



### TDS 890 turbine with spray

For station with STS-Trimmer spray, friction grip (FG), 4-way coupling, bur shank Ø 1.6 mm  
**Ref. 1600163-001**



# ELECTRICAL CONTROL



PROLAB Basic has become an essential tool. This unit and its motor place Bien-Air quality within the reach of all handpieces with type E couplings. This is a robust, high-performance micromotor. Designed without brushes or sensors, it is fitted with a self-ventilation system. Specially designed for laboratory controls, it displays vibration-free rotation and smooth acceleration at all speeds. The ideal extension for the Prolab motor, the PML 1:1 direct ratio straight handpiece is fitted with reinforced locking and an anti-rotation system on the highly efficient motor. Prolab Basic, you can no longer do without it.

## PROLAB BASIC TABLE CONTROL

Prolab Basic laboratory table control with progressive control pedal. For 100, 115 and 230 Vac.



### Prolab Basic set with progressive pedal

- |                           |                  |
|---------------------------|------------------|
| 1 Prolab Basic table unit | ref. 1600442-001 |
| 1 motor 1000 - 40,000 rpm | ref. 1600443-001 |
| 1 motor cable             | ref. 1600431-001 |
| 1 progressive pedal       | ref. 1600440-001 |
| 1 holder                  | ref. 1301575-001 |

**Ref. 1700252-001**

## PROLAB BASIC TABLE CONTROL

Prolab Basic laboratory table control with ON/OFF control pedal.  
For 100, 115 and 230 Vac.



### Prolab Basic set with ON/OFF pedal

1 Prolab Basic table unit	ref. 1600442-001
1 motor 1000 - 40,000 rpm	ref. 1600443-001
1 motor cable	ref. 1600431-001
1 ON/OFF pedal	ref. 1600447-001
1 holder	ref. 1301575-001

**Ref. 1700041-001**

## STRAIGHT HANDPIECES



### PML 1:1

Laboratory handpiece, direct ratio,  
locking ring, with retractable anti-rotation catch,  
bur shank Ø 2.35 mm

**Ref. 1600156-001**



### PM 1:1

Without light, direct ratio,  
Interchangeable sleeves with or without irrigation tube,  
locking ring, bur shank Ø 2.35 mm

**Ref. 1600052-001**



### PM 1:1 sleeve

Without external irrigation tube.

For straight handpiece PM 1:1 ref. 1600052-001

**Ref. 1500003-001**



## BIEN-AIR QUALITY

In order to guarantee long-term optimum performance as well as constantly renewed pleasure in one's work, Bien-Air has designed a range of top-quality accessories and control instruments. These all benefit from the same attention to detail as the other products in the product line. Bien-Air quality, right down the line.

## MAINTENANCE AND ACCESSORIES



## MAINTENANCE PRODUCTS



### Spraynet

Cleaning spray 500 ml.  
Box of 6.  
For instruments and equipment  
Ref. 1600036-006



### Lubrimed

Medical grease for ball-bearing turbines, except Eolia.  
Box of 6 cartridges  
Ref. 1600037-006



### Lubrimed greaser

For ball-bearing turbines, except Eolia  
Ref. 1000003-001



### Cleaning wire

For unblocking the spray jets of turbines,  
contra-angles and handpieces.  
Box of 10  
Ref. 1000001-010

## PROLAB BASIC ACCESSORIES



Progressive foot pedal  
Prolab Basic  
Ref. 1600440-001



ON/OFF foot pedal  
Prolab Basic  
Ref. 1600447-001



Unit mounting  
Prolab Basic  
Ref. 1301220-001



Holder  
For handpieces and motors  
Ref. 1301575-001

## PROLAB BASIC ACCESSORIES



**Prolab Basic micromotor**  
Self-ventilating, type E coupling  
compliant with ISO 3964, rotation speed  
1,000 – 40,000 rpm  
Ref. 1600443-001



**Prolab Basic black cable**  
For micromotor, length 3 m  
Ref. 1600431-001

## ACCESSORIES FOR TD 783 AND TDS 890 TURBINES



**Chuck pusher with friction grip (FG)**  
For TD 783 and TDS 890 turbines  
Ref. 1000005-001



**2-3 way coupling**  
Allows use of the TD 783 turbine  
with 2-way coupling  
on S001 and SF 811 stations  
Ref. 1500010-001

## MEASURING INSTRUMENTS

The air pressure gauges measure the pressure of the air entering the turbines and air motors.



**3-way pressure gauge**  
For 3-way coupling  
Ref. 1600242-001



**4-way pressure gauge**  
For 4-way coupling  
with or without light  
Ref. 1600243-001



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0410.00005	DC-TITAN® 80X50X12	18
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0410.00007	DC-TITAN® 80X50X15	18
0410.00012	DC-TITAN® 80X50X8	18
0410.00024	DC-CROCO® 80X50X12	18
0410.00026	DC-CROCO® 80X50X15	18
0410.00500	DC-ZIRKON® 80X50X8	16
0410.00501	DC-ZIRKON® 80X50X10	16
0410.00502	DC-ZIRKON® 80X50X12	16
0410.00503	DC-ZIRKON® 80X50X13.5	16
0410.00504	DC-ZIRKON® 80X50X15	16
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0410.00512	DC-ZIRKON® COL. 80X50X12	16
0410.00513	DC-ZIRKON® COL. 80X50X13.5	16
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