



## CATALOGUE

English version 2013-2014



## ENJOY LIFE WITH A SMILE

Moments like this are so rare that they stay with us forever. Everything came together to make it an unforgettable day: plans, weather, people... and feeling carefree.

The hard times were quickly forgotten, thanks to one person. Our dental surgeon treated us with tact and professionalism...

We have him to thank for giving us back our love of life and our smiles.



# IT'S ALL A QUESTION OF TRUST

Trust in yourself, your abilities, your expertise and your professionalism.

My patients place their complete trust in me. I am proud and grateful that this is something I can encourage. I know I'll be able to meet their expectations.

And I also know my instruments will meet mine. They help me excel, every day.









# 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.



Club **Bien Air**  
The Smart Move

## CLUB BIEN-AIR

### THE AFTER SALES EXPERIENCE

Customised, practical and user-friendly, Club Bien-Air is a unique online tool designed for practitioners. It's no exaggeration to say that it is revolutionising customer service. From now on, maintenance and repairs to your instruments will be quicker, cheaper and more reliable thanks to direct collection from your clinic and management via the internet.

Get fully on board with Bien-Air to enjoy a range of benefits. These include our hire service, real-time tracking of your repairs, a library of useful documents and exclusive offers.

[club-bienair.com](http://club-bienair.com)

My Account

LOG IN TO YOUR ACCOUNT

Email address

Password

Log in

Stay logged in

## BENEFITS

Join us and get immediate benefits! Club Bien-Air is a constantly evolving platform offering innumerable benefits. Here are the immediate ones:

- €100 gift voucher upon subscription
- Free collection service for your instruments at your clinic
- Online monitoring of the repair process

Additional benefits associated with your products

Special offers and special promotions





# WELCOME TO THE WORLD OF EXCELLENCE



## USER-MIND

Bien-Air has reinvented medical instrumentation by combining technological intelligence with the user experience. Our applications developed for Apple® devices allow your installations to constantly evolve without limits and free of charge. To make your job easier, the operating parameters of our USER-MIND control systems with touchscreen display can be modified directly. Data concerning your patients' treatment can be consulted, customised, saved, printed, exported, shared... This unprecedented and ingenious system is a pleasure to use.

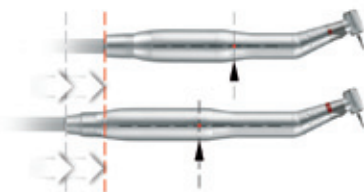


## QUALITY LED

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

Its 4500 K colour temperature is perfect for providing a realistic rendering of the dentine, the pulp or the gingiva, thereby facilitating diagnosis. The perfect encapsulation of the LED in watertight optical glass guarantees its resistance to hundreds of autoclave cycles\*.

\* Only for sterilisable instruments and micromotors



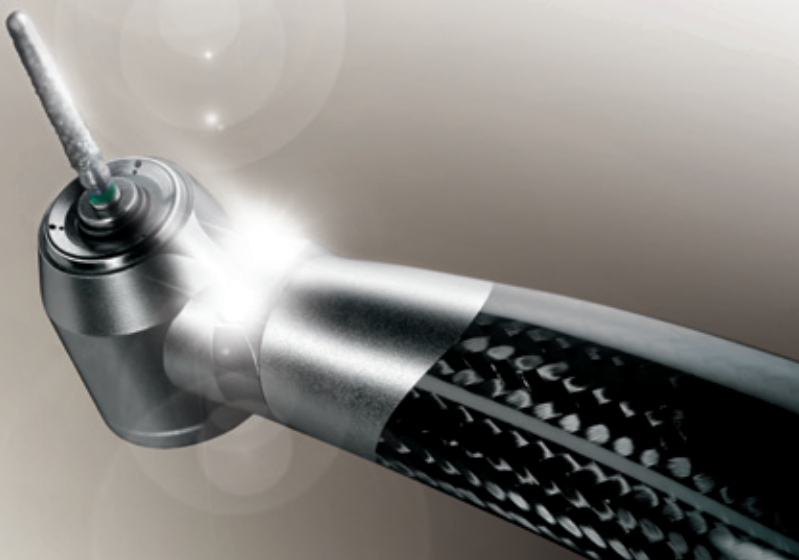
### MICRO-SERIES

The Bien-Air MICRO-SERIES brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Up to 40% shorter and 33% lighter, Bien-Air MICRO-SERIES units offer you the very best in terms of grip and balance, guaranteeing more precise control and less fatigue at the end of the day. Why? Simply because they are shorter and lighter, yet they still offer all the technological advantages of conventional models. MICRO-SERIES, welcome to a new dimension.



### BLACKLINE

Light, slim and ultra-resistant: BLACKLINE handles made from vacuum-moulded carbon fibre have set a new technological standard. Carbon fibre is 3 times lighter than titanium ( $1.8 \text{ g/cm}^3$ ) and will withstand 10,000 sterilisation cycles leaving no signs of deterioration. Free from porosity, BLACKLINE handles guarantee perfect hygiene and grip and great dynamic stability, even with repeated sterilisation.





#### 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, SMART LOGIC 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 robust enough to withstand all conditions, the two multi-strand optical glass conductors 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.

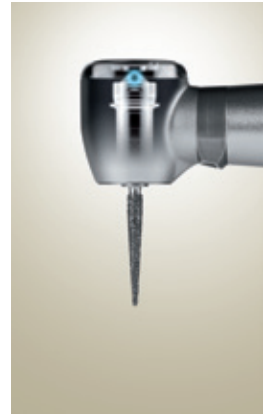
The ultra-precise nebulisation this provides cools the bur and the dental material as efficiently as possible. It also ensures perfect visibility in the working area. The separate water and air ducts also prevent blockages.



#### 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 chuck 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. You'll really appreciate their unique precision and reliability. Your burs will also last much longer.



## A TRADITION OF INNOVATION AND EXCELLENCE

The most advanced technology, the most refined ergonomics: Bien-Air turbines have always been characterised by this perfect balance. The range of Blackline turbines in carbon fibre 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 ever reliable turbine 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 technological advances have always helped to make our turbines unique. Bien-Air turbines are ahead of the field. Over the long term.

# 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 Bora Blackline incorporates a carbon fibre 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 anti-retraction valve and perfect nebulisation with the three separate Accu-Spray air/water sprays. Finally, they have the Cool Touch push-button bur locking mechanism which reduces overheating. Added comfort your patients are sure to appreciate.

Bora turbines are available in Blackline or in the classic version, available with a Dualook LED light with adjustable intensity or without light.



### BLACKLINE

Light, slim and ultra-resistant: Blackline handles made from vacuum-moulded carbon fibre have set a new technological standard.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual multi-strand optical glass conductor gives 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 nebulisation this provides cools the bur and the dental material as efficiently as possible and offers perfect visibility.



### CERAMIC REVOLUTION

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



### ACCU-CHUCK

The most precise chuck locking and rotation drive technology in the world. Discover perfectly balanced instruments, with none of the drawbacks of 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-retraction 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 and chuck 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 ADJUSTABLE LIGHT



### Bora L Blackline

Multi-strand optical glass conductor, 320,000 rpm, 2.6 bar, 3 sprays, push-button bur locking, water anti-retraction valve, carbon fibre handle, fast, rotating connection for Unifix quick-connect coupling.

Ref. 1600637-001



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

Multi-strand optical glass conductor, 320,000 rpm, 2.6 bar, 3 sprays, push-button bur locking, water anti-retraction valve, carbon fibre handle, fast, rotating connection with 4-way electric powered Unifix coupling fitted with an anti-retraction valve on the air exhaust.

Ref. 1700303-001



### Bora L

Multi-strand optical glass conductor, 320,000 rpm, 2.6 bar, 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

Multi-strand optical glass conductor, 320,000 rpm, 2.6 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with an anti-retraction valve on the air exhaust.

Ref. 1700305-001



Non-sterilisable couplings.





## BORA TURBINES FOR BIEN-AIR MULTIFLEX® AND KAVO® MULTIFLEX® COUPLINGS WITH LIGHT

KaVo  
COMPATIBILITY



### Bora LK Blackline

Multi-strand optical glass conductor, 320,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, carbon fibre handle, fast, rotating connection for Bien-Air MULTIflex® and KaVo® MULTIflex® couplings. Coupling not supplied.

Ref. 1600731-001



### Bora LK Blackline + Bien-Air MULTIflex® set

Multi-strand optical glass conductor, 320,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, carbon fibre handle, fast, rotating connection with Bien-Air MULTIflex® coupling with 4-way LED light and valve for regulating the spray.

Ref. 1700514-001



KaVo  
COMPATIBILITY



### Bora LK

Multi-strand optical glass conductor, 320,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, fast, rotating connection for Bien-Air MULTIflex® and KaVo® MULTIflex® couplings. Coupling not supplied.

Ref. 1600732-001



### Bora LK + Bien-Air MULTIflex® set

Multi-strand optical glass conductor, 320,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, fast, rotating connection, with Bien-Air MULTIflex® coupling with 4-way LED light and valve for regulating the spray.

Ref. 1700513-001



Non-sterilisable couplings.

## BORA TURBINES WITH LIGHT



### Bora L

Optical glass rod light, 320,000 rpm, 2.6 bar, 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

Optical glass rod light, 320,000 rpm, 2.6 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, with 4-way electric powered Unifix coupling fitted with an anti-retraction valve on the air exhaust.

**Ref. 1700189-001**



## BORA TURBINES WITHOUT LIGHT



### **Bora**

320,000 rpm, 2.6 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling.

**Ref. 1600381-001**



### **Bora + 2-/3-way Unifix set**

320,000 rpm, 2.6 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, with 2- or 3-way Unifix coupling.

**Ref. 1700187-001**



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

320,000 rpm, 2.6 bar, 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 the Bora turbine. The smaller head size of the Prestige turbines makes 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 ensure perfect nebulisation thanks to the three separate Accu-Spray air/water sprays. They also boast the Cool Touch push-button which reduces overheating. Added comfort your patients are sure to appreciate.

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







### BLACKLINE

Light, slim and ultra-resistant: Blackline handles made from vacuum-moulded carbon fibre have set a new technological standard.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual multi-strand optical glass conductor gives 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 nebulisation this provides cools the bur and the dental material as efficiently as possible and offers perfect visibility.



### CERAMIC REVOLUTION

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



### ACCU-CHUCK

The most precise chuck locking and rotation drive technology in the world. Discover perfectly balanced instruments, with none of the drawbacks of 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 and chuck 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 ADJUSTABLE LIGHT



### Prestige L Blackline

Multi-strand optical glass conductor, 315,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, carbon fibre handle, fast, rotating connection for Unifix quick-connect coupling.

Ref. 1600640-001



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

Multi-strand optical glass conductor, 315,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, carbon fibre handle, fast, rotating connection with 4-way electric powered Unifix coupling fitted with an anti-retraction valve on the air exhaust.

Ref. 1700304-001



### Prestige L

Multi-strand optical glass conductor, 315,000 rpm, 3.1 bar, 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

Multi-strand optical glass conductor, 315,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way electric powered Unifix coupling fitted with an anti-retraction valve on the air exhaust.

Ref. 1700306-001



Non-sterilisable couplings.



## PRESTIGE TURBINES FOR BIEN-AIR MULTIFLEX® AND KAVO® MULTIFLEX® COUPLINGS WITH LIGHT

KaVo  
COMPATIBILITY



### Prestige LK Blackline

Multi-strand optical glass conductor, 330,000 rpm, 3.5 bar, 3 sprays, push-button bur locking, carbon fibre handle, fast, rotating connection for Bien-Air MULTiflex® and KaVo® MULTiflex® couplings. Coupling not supplied.

Ref. 1600733-001



### Prestige LK Blackline + Bien-Air MULTiflex® set

Multi-strand optical glass conductor, 330,000 rpm, 3.5 bar, 3 sprays, push-button bur locking, carbon fibre handle, fast, rotating connection with Bien-Air MULTiflex® coupling with 4-way LED light and valve for regulating the spray.

Ref. 1700516-001



KaVo  
COMPATIBILITY



### Prestige LK

Multi-strand optical glass conductor, 330,000 rpm, 3.5 bar, 3 sprays, push-button bur locking, fast, rotating connection for Bien-Air MULTiflex® and KaVo® MULTiflex® couplings. Coupling not supplied.

Ref. 1600734-001



### Prestige LK + Bien-Air MULTiflex® set

Multi-strand optical glass conductor, 330,000 rpm, 3.5 bar, 3 sprays, push-button bur locking, fast, rotating connection with Bien-Air MULTiflex® coupling with 4-way LED light and valve for regulating the spray.

Ref. 1700515-001



Non-sterilisable couplings.

## PRESTIGE TURBINES WITH LIGHT



### Prestige L

Optical glass rod light, 335,000 rpm, 3.1 bar, 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

Optical glass rod light, 335,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, with 4-way electric powered Unifix coupling fitted with an anti-retraction valve on the air exhaust.

**Ref. 1700184-001**



## PRESTIGE TURBINES WITHOUT LIGHT



### Prestige

315,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection for Unifix quick-connect coupling.

Ref. 1600379-001



### Prestige + 2-/3-way Unifix set

315,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection, 2- or 3-way Unifix coupling.

Ref. 1700185-001



### Prestige + 4-way Unifix set

315,000 rpm, 3.1 bar, 3 sprays, push-button bur locking, water anti-retraction valve, fast, rotating connection with 4-way Unifix coupling.

Ref. 1700186-001





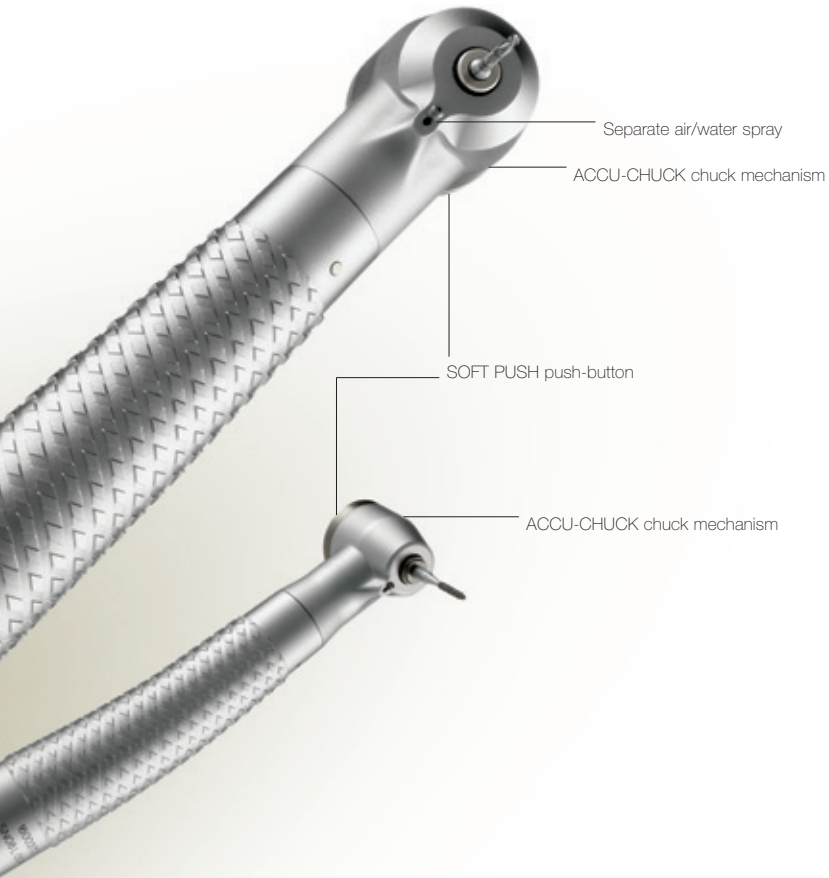
PRESTIGE

Pen Air

MADE IN SWITZERLAND



# BORALINA AND PRESTILINA TURBINES



Economical turbines offering unrivalled value for money. Although they are as powerful and well-suited to delicate operations as their big cousins, they boast a simplified design with 1 separate air and water spray and without a light. They connect to a Bien-Air Unifix quick-connect coupling.



#### ACCU-CHUCK

The most precise locking and rotation drive technology in the world.

Discover perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



#### SOFT PUSH

Bien-Air's unique push-button insert and chuck 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 coupling, the Bien-Air turbine/hose combination will prove a pleasant work companion day in and day out.



#### SWISS MADE

Only the most sophisticated techniques and the best materials allow the best products to be created. 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 robust. Instrument changing could not be simpler, thanks to the Unifix quick-connect coupling.



### **Boralina**

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

**Ref. 1600373-001**



### **Boralina + 2-/3-way Unifix set**

310,000 rpm, 2.7 bar, 1 spray, push-button bur locking, fast, rotating connection with 2- or 3-way Unifix coupling.

**Ref. 1700200-001**



### **Boralina + 4-way Unifix set**

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

**Ref. 1700201-001**



Non-sterilisable couplings.

## PRESTILINA TURBINES WITHOUT LIGHT

35

TURBINES

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 bar, 1 spray, push-button bur locking, fast, rotating connection for Unifix coupling.

Ref. 1600372-001



### Prestilina + 2-/3-way Unifix set

410,000 rpm, 2.5 bar, 1 spray, push-button bur locking, fast, rotating connection with 2- or 3-way Unifix coupling.

Ref. 1700198-001



### Prestilina + 4-way Unifix set

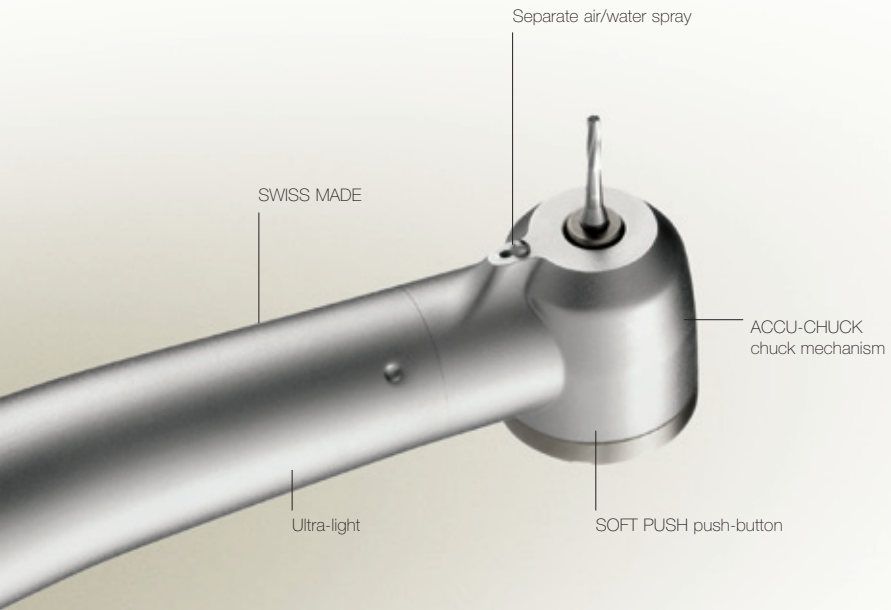
410,000 rpm, 2.5 bar, 1 spray, push-button bur locking, fast, rotating connection with 4-way Unifix coupling.

Ref. 1700199-001



Non-sterilisable couplings.

# BLACK PEARL ECO TURBINES



Powerful, light, easy to handle. The Black Pearl Eco turbine benefits from Bien-Air's vast experience in turbine design. The Black Pearl Eco offers the quality of a Swiss Made instrument at a highly competitive price. It is equipped with a comfortable push-button bur locking mechanism and a separate air/water spray, and can be connected 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 locking and rotation drive technology in the world.

Discover perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



### SOFT PUSH

Bien-Air's unique push-button insert and chuck 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 allow the best products to be created. 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 bar, 1 spray, push-button bur locking, 2- or 3-way direct connection.

**Ref. 1600039-001**



**Black Pearl ECO 4-way**

310,000 rpm, 2.5 bar, 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 microtechnology. Designed and manufactured in the heart of Watch Valley, each instrument is a masterpiece of metal-working, where skills combine to create a robust, ultra-precise and quiet device.

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

With its Micro-Series range, Bien-Air is the first manufacturer to offer instruments and micromotors that are shorter and lighter with further improved ergonomics.

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. They are available in Micro-Series versions; shorter, lighter and easier to handle. Combined with the new Micro-Series compact micromotors, they are notable for their near-perfect balance in the hand. Soon you won't be able to live without one.

Part of a long tradition of excellence, Bien-Air contra-angles have DualLook dual glass rod lighting, three separate Accu-Spray air/water sprays that ensure perfect nebulisation, as well as the ultra-precise Accu-Chuck locking and drive technology. 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 Bien-Air shaft and gear systems simultaneously provide outstanding smoothness and improved sensitivity. For your comfort and that of your patient.



### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual-strand optical glass conductor gives 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 nebulisation this provides cools the bur and the dental material as efficiently as possible and offers perfect visibility.



### ACCU-CHUCK

The most precise chuck locking and rotation drive technology in the world. Discover perfectly balanced instruments, with none of the drawbacks of 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.



### 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 allow the best products to be created. Bien-Air products are designed and manufactured in the heart of Watch Valley in Switzerland.

After manufacture, Bien-Air products undergo individual testing.

# MICRO-SERIES SIZE MATTERS



Up to 40% more compact and 33% lighter, Micro-Series combinations offer perfect balance, exceptional power and unique versatility. Combined with short nose LED micromotors, Micro-Series contra-angles and handpieces redefine the standards for dental instruments.

Used together, the MX2 and Micro-Series contra-angle are no larger than a turbine. By reducing the size as much as possible, the balance point of the instrument/micromotor assembly has been moved noticeably forward. This results in perfect balance. The force required to keep the instrument in the hand has been significantly reduced. This allows for more accurate movements, with less fatigue at the end of the day.

**40% more compact and 33% lighter\***  
MCX micromotor and Micro-Series contra-angle



**30% more compact and 23% lighter\***  
MX2 micromotor and Micro-Series contra-angle



MX micromotor and standard contra-angle



\*than the MX micromotor and standard contra-angle combination. Micro-Series instruments are compatible with Bien-Air MX2 LED, MCX LED, MCX, MC2, MC3 and MX short nose micromotors, and the MX-i LED.



micro  
series



## CONTRA-ANGLES CA 1:5

micro  
SERIES



### CA 1:5 L Micro-Series

Speed increasing ratio of 5. Optical glass rod light, push-button bur locking with anti-heating system, bur shank Ø 1.6 mm, anti-retraction valve. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600690-001



### CA 1:5 L

Speed increasing ratio of 5. Optical glass rod light, push-button bur locking with anti-heating system, bur shank Ø 1.6 mm, anti-retraction valve. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600386-001



### CA 1:5

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

Ref. 1600325-001



micro  
SERIES



**CA 1:1 L Micro-Series**

Direct ratio. Optical glass rod light, push-button bur locking, bur shank Ø 2.35 mm, anti-retraction valve. Compatible with the complete range of Bien-Air micromotors.

**Ref. 1600691-001**



**CA 1:1 L**

Direct ratio. Optical glass rod light, push-button bur locking, bur shank Ø 2.35 mm, anti-retraction valve. Compatible with the complete range of Bien-Air micromotors.

**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**



## 1:1 INSTRUMENT SETS WITH INTERNAL SPRAY

micro  
SERIES



### CA 1:1 L + PM 1:1 Micro-Series set

Comprising:

1 CA 1:1 L Micro-Series with light

ref. 1600691-001

1 PM 1:1 Micro-Series without light

ref. 1600693-001

**Ref. 1700384-001**



### 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**



## PROPHYLAXIS INSTRUMENTS

49

Handpieces with interchangeable heads and contra-angles with detachable cups are the only instruments that can be fitted to micromotors 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 sustained sterilisations.

CONTRA-ANGLES AND HANDPIECES



### CAP 15:1 Prophy

Speed reducing ratio of 15, contra-angle handpiece without light or spray, screw or clip cup interchangeability.

Set comprising:

1 CAP 15:1 Prophy

5 screw cups

5 clip cups

Ref. 1600290-001



### PMP 10:1 Prophy

Speed reducing ratio of 10. Handpiece without light or spray, for standard disposable heads.

Set comprising:

1 PMP 10:1 Prophy

2 straight heads and 2 contra-angle heads

Ref. 1600289-001

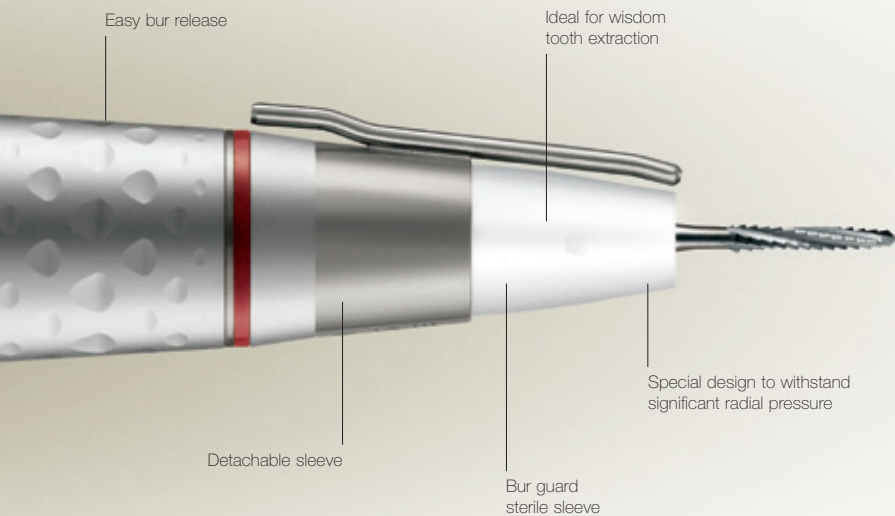


## STRAIGHT HANDPIECES

The latest generation of straight 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 chuck mechanism. Straight handpieces are also available in Micro-Series versions.





### **MICRO-SERIES**

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### **FREE MOVE**

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



### **SWISS MADE**

Only the most sophisticated techniques and the best materials allow the best products to be created. 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

micro  
SERIES



### PM 1:1 Micro-Series

Direct ratio. Without light, with internal spray, locking ring, bur shank Ø 2.35 mm. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600693-001



### PM 1:1

Direct ratio. Without light, with internal spray, locking ring, bur shank Ø 2.35 mm. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600383-001



### PM 1:1 external irrigation

Direct ratio. Without light, interchangeable sleeves with or without irrigation tube, locking ring, bur shank Ø 2.35 mm. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600052-001



## STRAIGHT HANDPIECE PM 1:2



### PM 1:2 external irrigation

Speed increasing ratio of 2. Without light, sleeve with irrigation tube, locking ring, bur shank Ø 2.35 mm, Bur Guard sterile sleeve. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600436-001







# IMPLANTOLOGY INSTRUMENTS

Thanks to the exceptionally ergonomic design of the Bien-Air 20:1 L Micro-Series 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.

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

The Micro-Series 20:1 L contra-angle handpiece abounds with qualities: its small head, exceptional DualLook lighting... and it is also the shortest and lightest contra-angle on the market.

The benchmark in implantology instruments.





### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual-strand optical glass conductor gives an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



### ACCU-CHUCK

The most precise chuck locking and rotation drive technology in the world. Discover perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



### 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 allow the best products to be created. 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

micro  
SERIES



### CA 20:1 L Micro-Series

Speed reducing ratio of 20. Optical glass rod light, internal irrigation, push-button bur locking, bur shank Ø 2.35 mm. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600692-001



### CA 20:1 L

Speed reducing ratio of 20. Optical glass rod light, internal irrigation, push-button bur locking, bur shank Ø 2.35 mm. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600598-001



### CA 20:1

Speed reducing ratio of 20. Without light, internal irrigation, push-button bur locking, bur shank Ø 2.35 mm.

Ref. 1600632-001



## IMPLANTOLOGY CONTRA-ANGLES KIRSCHNER/MEYER IRRIGATION

57

micro  
SERIES



**Micro-Series Kirschner/Meyer CA 20:1 L**  
Speed reducing ratio of 20. Optical glass rod light,  
push-button bur locking, bur shank Ø 2.35 mm.  
Compatible with the complete range of Bien-Air micromotors.  
With Kirschner/Meyer removable irrigation system.  
Irrigation set included ref. 1501621-010.

**Ref. 1600786-001**



**Kirschner/Meyer CA 20:1 L**  
Speed reducing ratio of 20. Optical glass rod light,  
push-button bur locking, bur shank Ø 2.35 mm.  
Compatible with the complete range of Bien-Air micromotors.  
With Kirschner/Meyer removable irrigation system.  
Irrigation set included ref. 1501621-010.

**Ref. 1600785-001**



## A NEW DIMENSION

Bien-Air has positioned itself as the world leader in electric micromotors. And this has not happened by chance. Some of these have even revolutionised modern dentistry practice.

Power, high torque, absence of vibration, reliability...

the assets that make Bien-Air micromotors so unique.

Bien-Air is raising the bar even higher with the addition of a little prodigy to this range: The MX2 LED, a miniaturised micromotor with the performance and reliability that gave the MX its reputation of undisputed leader.

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

# MICROMOTORS





US

MX2

**Bien Air**  
SWISS MADE

## MX2 MICROMOTOR BRUSHLESS

The MX2 brushless micromotor, with adjustable LED light, is Bien-Air's latest little prodigy.

Coupled with the new Bien-Air Micro-Series instruments, you will benefit from a unit that is 30% shorter and 23% lighter. The result is unparalleled balance and comfort, while still giving the performance of the famous MX: constant power, perfect control of the speed, torque and reversal of the direction of rotation. Thanks to Smart-Logic electronic control, the MX2 is exceptionally stable and powerful, even at low speeds (100 rpm). This means just two instruments are required to carry out all operations. The MX2 LED proves itself to be the ideal companion for endodontics.

Thanks to its lifetime-lubricated ball bearings, the MX2 is sterilisable and yet maintenance-free. For further optimised hygiene and implementation.

Bien-Air MX2, welcome to a new dimension.







### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### CARE FREE

Thanks to its lifetime-lubricated ball bearings, your micromotor no longer needs lubrication after each use. This ensures it always has the optimum quantity of oil, is quicker to start using and has reduced maintenance costs.



### FREE MOVE

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



### GOLD CONNECT

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

### MX2

Brushless micromotor, 100-40,000 rpm, max. torque 3.5 Ncm. LED light and internal spray. Sterilisable without protection, with lifetime-lubricated ball bearings, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments. 400° rotating coupling on the hose.

**Ref. 1600677-001**



### MX2 hose

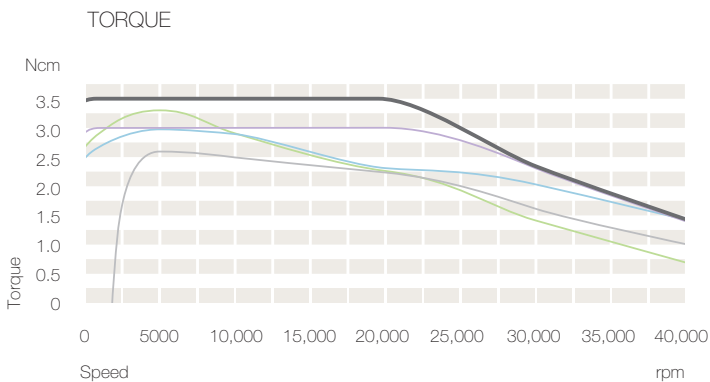
See page 137.



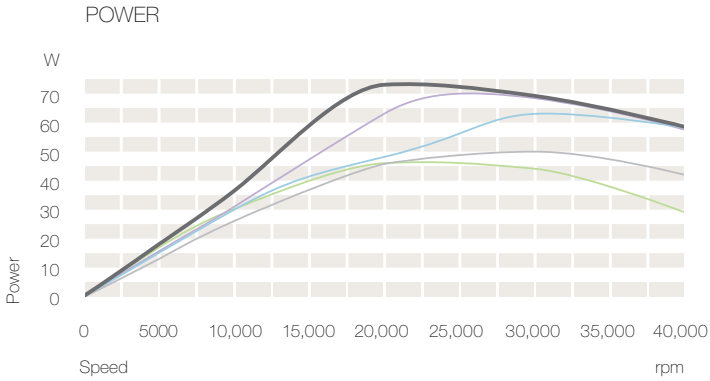
MX2   
WELCOME  
TO A NEW  
DIMENSION



With the MX2 micromotor with LED light, Bien-Air is continuing along lines very well-established by the MX micromotor: A micromotor which offers the best performance on the market, simplifying and optimising all dental operations.



The MX2 is not just the most powerful dental micromotor on the market, it also offers perfect uniformity. Thanks to Smart Logic electronic management, the power is regulated automatically, immediately adapting to variations in constraints, even during complex restorative, prophylactic or endodontic operations. For these kinds of operations, the MX2 offers an exemplary level of safety thanks to the subtle control of the NiTi tool's speed of rotation, and automatically manages the reversal of the direction of rotation. The torque and speed can be accurately configured with the greatest of ease.



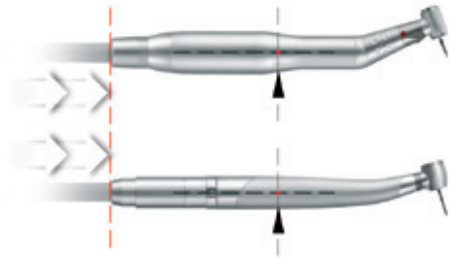
# MX2 MICRO-SERIES COMPACT & BALANCED



Used together, the MX2 and Micro-Series instrument are comparable in size to a turbine. The lightweight MX2 combines user comfort with the best performance an electric instrument can provide.

Despite its compact size, the MX2 has proven as reliable and robust as its predecessor, the MX micromotor. Boasting lifetime-lubricated ball bearings, it is also impervious to contact with fluids and withstands repeated sterilisations without protection.

MX2 micromotors, welcome to a new dimension.



ien Air

ISS MADE



MX2

# MCX MICROMOTORS

BRUSHLESS

The MCX with adjustable LED light is the smallest and lightest brushless micromotor ever designed by Bien-Air. Use it with the new Micro-Series instruments for a micromotor/instrument assembly that's even smaller than a turbine, guaranteeing unbeatable performance. The MCX is a unique brushless micromotor. Thanks to its Smart Logic electronic control, the power is automatically regulated, adapting immediately to variations in pressure. This means the MCX delivers precise, constant power without the slightest jolt. Thanks to its lifetime-lubricated ball bearings, the MCX is sterilisable and yet maintenance-free. The result is even better hygiene and usage conditions, combined with very low maintenance costs.





### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### CARE FREE

Thanks to its lifetime-lubricated ball bearings, your micromotor no longer needs lubrication after each use. This ensures it always has the optimum quantity of oil, is quicker to start using and has reduced maintenance costs.



### GOLD CONNECT

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



### MCX

Brushless micromotor, 1000-40,000 rpm, max torque 2.5 Ncm. LED light and internal spray. Sterilisable without protection, with lifetime-lubricated ball bearings, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

Ref. 1600751-001



### MCX

Brushless micromotor, 1000-40,000 rpm, max torque 2.5 Ncm. Internal spray. Sterilisable without protection, with lifetime-lubricated ball bearings, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

Ref. 1600780-001

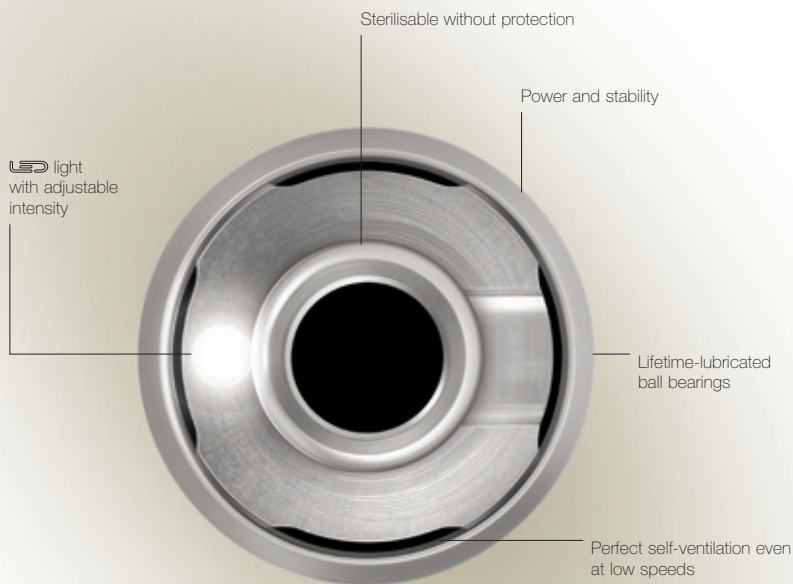


### MCX and MCX hose

See page 140.

# MX-i MICROMOTORS

BRUSHLESS



This is the most powerful implantology micromotor on the market. With its iChiropro and Chiropro L control units, the MX-i LED micromotor is redefining standards in implantology. The MX-i LED is first and foremost a model of stability. At both high and low speeds, it offers 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 thanks to Smart Logic technology. Finally, the MX-i LED micromotor is equipped with adjustable LED lighting, providing the contra-angle handpiece with intense, natural and constant light at both high and low speeds. Resilient to contact with fluids, the MX-i LED micromotor can be washed in a machine and sterilised with its cable.





### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### CARE FREE

Thanks to its lifetime-lubricated ball bearings, your micromotor no longer needs lubrication after each use. This ensures it always has the optimum quantity of oil, is quicker to start using and has reduced maintenance costs.



### GOLD CONNECT

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



### MX-i

Brushless micromotor, 100-40,000 rpm, LED light, self-ventilated. Sterilisable without protection, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments, power supply via special cable.

**Ref. 1600755-001**



### MX-i

Brushless micromotor, 100-40,000 rpm, self-ventilated. Sterilisable without protection, type E coupling as per ISO 3964, power supply via special cable.

**Ref. 1600825-001**



### MX-i and MX-i cable

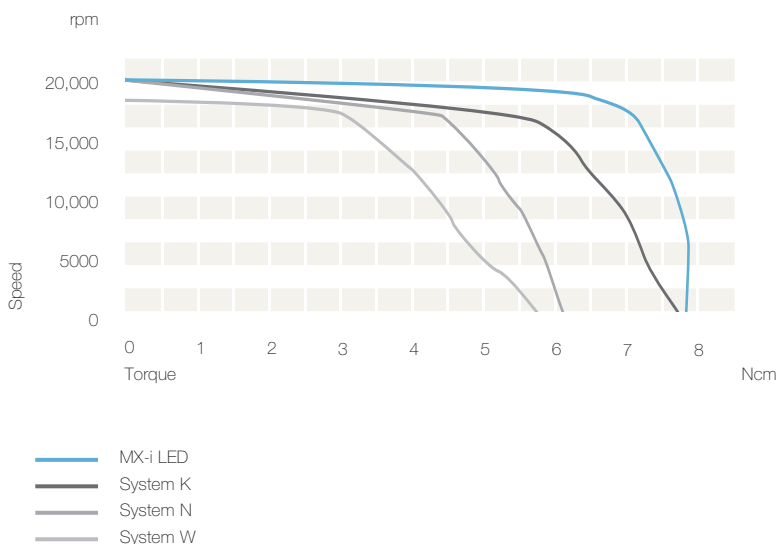
See page 147.

# MX-i MICROMOTOR INCREASE YOUR EXPECTATIONS

The MX-i LED micromotor is a model of stability. At both high and low speeds, it offers you incomparable working comfort and safety. Its high torque makes it simply the most powerful micromotor on the market. Depending on the resistance, the power is regulated and stabilised electronically.

Thanks to its highly sensitive electronic management, the speed is maintained throughout the entire operation without vibrations. Another major advantage: the MX-i LED micromotor boasts LED lighting with adjustable intensity, the power for which does not depend on the speed of rotation.

Not only is the MX-i LED micromotor the most powerful implantology micromotor on the market, it is also the lightest.





MX-i

# MC3 MICROMOTORS

MC3 micromotors offer impressive performance.

They are quite simply the most efficient brush micromotor on the market. With vibration-free operation from 60 to 40,000 rpm, their great versatility sets them apart. An exceptional micromotor, also available in Micro-Series version with short nose and LED light with adjustable intensity.

Now available as a Micro-Series and LED light upgrade set for your old MC3 LK.





### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### 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.



### FREE MOVE

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



### GOLD CONNECT

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



### SWISS MADE

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

## MC3 MICROMOTORS WITH LIGHT



### MC3

Brush micromotor, 60-40,000 rpm, LED light and internal spray, detachable sleeve, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

Ref. 1600680-001



## MC3 MICROMOTORS WITH LIGHT



### MC3 LK

Brush micromotor, 60-40,000 rpm, LED light and internal spray, detachable sleeve, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

Ref. 1600077-001



micro  
SERIES



### light + Micro-Series upgrade set

For MC3 LK micromotor

Ref. 1501370-001



### 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 IR**

Brush micromotor, 60-40,000 rpm, without light, internal spray, detachable sleeve, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

**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 colours.  
See pages 140 to 143.

# MC2 MICROMOTORS

The MC2 is the most widely used electric micromotor in the world. Prized and recommended for its reliability and endurance, it has been proving its worth for many years. With a rotation speed ranging from 60 to 40,000 rpm, the performance it offers is remarkable. It is perfectly controlled by the PLMP 021 microprocessor control.

The MC2 micromotor: Swiss-Made design and manufacture at an attractive price. Also available in Micro-Series version with short nose and LED light with adjustable intensity.

Now also available as an upgrade set for your old MC2 Isolite 300.







### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### 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.



### GOLD CONNECT

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



### SWISS MADE

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## MC2 MICROMOTORS WITH LIGHT



### MC2

Brush micromotor, 60-40,000 rpm, LED light, internal spray, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

Ref. 1600681-001



### MC2 hose

Available in a range of versions and colours. See pages 145 and 146.



## MC2 MICROMOTORS WITH LIGHT



### MC2 Isolite 300

Brush micromotor, 60-40,000 rpm, with light, internal spray, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

Ref. 1600078-001



micro  
SERIES



### light + Micro-Series upgrade set

For MC2 Isolite 300 micromotor.

Ref. 1501369-001



## MC2 MICROMOTORS WITHOUT LIGHT



### MC2 IR

Brush micromotor, 60-40,000 rpm, without light, internal spray, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments.

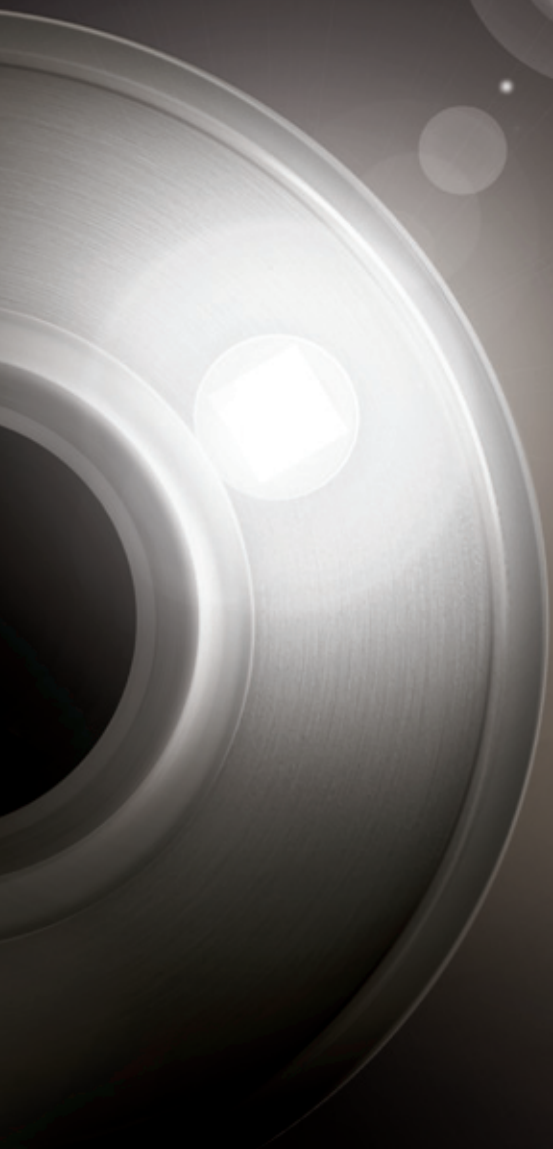
Ref. 1600073-001



### MC2 GTAV

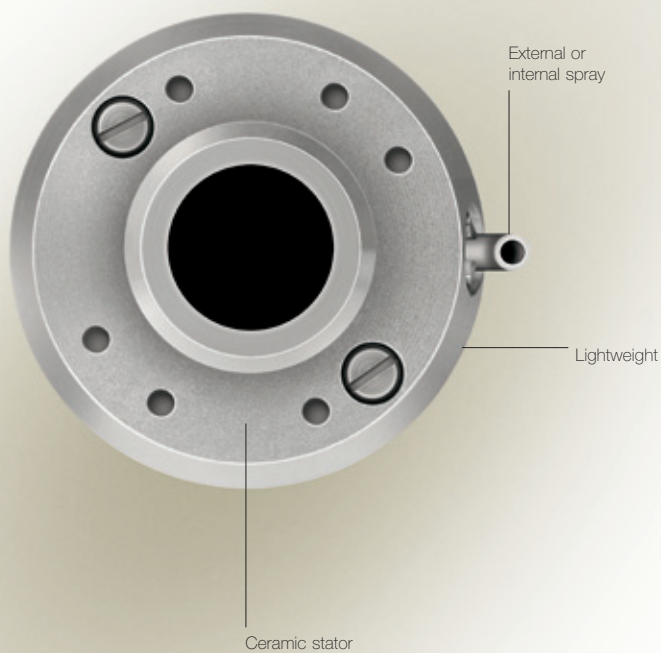
Brush micromotor, 60-40,000 rpm, without light or spray, compatible with Type E coupling as per ISO 3964 and Micro-Series instruments, self-ventilated.

Ref. 1600075-001



## AQUILON AIR MICROMOTORS

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 speed of rotation ranges from 5000 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 coupling, the Bien-Air micromotor/hose combination will prove a pleasant work companion day in and day out.



### SWISS MADE

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

## AQUILON AIR MICROMOTORS INTERNAL SPRAY



### Aquilon 830

Air micromotor, 5000-20,000 rpm, without light, internal spray, Type E coupling as per ISO 3964, quick-connect rotating connection for 2-/3-way or 4-way Unifix coupling.

Ref. 1600070-001



### Aquilon 830 + 2/3-way Unifix set

Air micromotor, 5000-20,000 rpm, without light, internal spray, Type E coupling as per ISO 3964, quick-connect rotating connection with 2- or 3-way Unifix coupling.

Ref. 1700058-001



### Aquilon 830 + 4-way Unifix set

Air micromotor, 5000-20,000 rpm, without light, internal spray, Type E coupling as per ISO 3964, quick-connect rotating connection with 4-way Unifix coupling.

Ref. 1700211-001



Non-sterilisable couplings.

## TO MEET THE MOST EXACTING 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. Bien-Air iChiropro and Chiropro physiodispensers offer comfort, performance and versatility.

Combined with outstanding instruments and micromotors, they can be considered a benchmark. Try them. You'll never look back.

# PHYSIODISPENSERS



# iCHIROPRO

Bien-Air's latest arrival, the iChiropro, is an innovative, ultra-efficient implantology and surgery system controlled by your iPad and equipped with some of the most efficient instruments on the market. With the iChiropro, everything is designed for simple, intuitive use: multiple users, simplified operations, pre-programmed operating sequences, customisable sequences, integrated patient file, operation report, saving, exporting and sending of data. The 20:1 L Micro-Series contra-angle, the MX-i LED micromotor and the new iChiropro system redefine ergonomics and ease of use.

iChiropro – The smart way to your success







### USER-MIND

Bien-Air has reinvented medical instrumentation by combining technological intelligence with the user experience. Ingenuity and pleasure go hand in hand with unrivalled ease of use.



### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual-strand optical glass conductor gives 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 perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



### SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics offer perfect control of the torque and rotation speed, and the bur position, even at very low speed.



### GOLD CONNECT

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



### SWISS MADE

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

# iCHIROPRO APPLICATIONS A TOUCH OF GENIUS



With iChiropro applications for iPad, implantology and surgical operations are made considerably more straightforward thanks to brand new, innovative functions.

The iChiropro is designed for multiple users, each of whom can save their own settings.



The operation parameters can be directly modified and saved to facilitate your interventions: speed, torque, direction of rotation, irrigation, lighting, etc.

A complete report containing information including graphics, patient data and records of fitted implants can be generated for each operation. This can be stored, allowing you to consult, save, print, export or send it.



FREE APPLICATIONS





The iChiropro application is pre-programmed for the following implant systems: Nobel Biocare, Straumann, Dentsply Implants, Biomet 3i, AstraTech, Thommen Medical, Camlog...  
 Bien-Air regularly adds other implant systems to the iChiropro application.

All the systems can be customised and saved based on each user's specific needs.



Nobel Biocare, Straumann, Dentsply Implants, Biomet 3i, AstraTech, Thommen Medical and Camlog are trademarks registered by companies of the same name. 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.

# iCHIROPRO THE SMART WAY TO YOUR SUCCESS



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

With its dedicated applications for touch tablets, the iChiropro system lets you discover the perfect working balance between your iPad and exceptional electronics for controlling the MX-i LED micromotor.

The most powerful motor on the market, with LED lighting guaranteeing a very long service life, the MX-i LED micromotor is equipped with lifetime-lubricated ceramic ball bearings. It produces light with the same luminous intensity at both high and low speeds.

The 20:1 L Micro-Series contra-angle for the new iChiropro system redefines ergonomics. This Swiss-Made instrument is equipped with an entirely unique internal irrigation system which completely frees the grip area. The liquid flows via the base of the drill for precise control. One of the smallest heads on the market and a lightweight design make this instrument both precise and easy to handle.

iChiropro – Increase your expectations

Doctor Marc Hunt  
APICAL RESECTION  
Recommended Settings

APICAL RESECTION

100'000

0.8

1:5

Blen Air<sup>®</sup>  
Dental

iChiropr

**iCHIROPRO - IMPLANTOLOGY AND SURGERY  
DEVICE FOR INSTRUMENTS WITH OR WITHOUT LIGHT**



**micro**  
SERIES

**iChiropro basic set with CA 20:1 L  
Micro-Series contra-angle**

1 iChiropro basic set ref. 1700439-001  
1 CA 20:1 L contra-angle ref. 1600692-001

Micro-Series with light

**Ref. 1700440-001**

**iChiropro basic set:**

1 iChiropro control unit ref. 1600784-001  
1 MX-i LED micromotor ref. 1600755-001  
1 MX-i LED micromotor cable ref. 1600606-001  
1 x 3-button foot pedal ref. 1600631-001  
Set of 10 sterile single-use irrigation lines ref. 1500984-010  
10 irrigation line clips ref. 1303711-010  
2 sterile protective films ref. 1501746  
1 bracket ref. 1303393-001  
1 support ref. 1301575-001  
1 Swiss network cable ref. 1300065-001  
1 Europe network cable ref. 1300066-001  
1 Asia/USA network cable ref. 1300067-001  
1 support for iPad 4 ref. 1305949-001  
1 Torx® screwdriver ref. 1305947-001

**Ref. 1700439-001**





**Sterile protective film**

Set of 10 sterile single-use protective films for iPad.  
Ref. 1501746-010



**Irrigation lines**

Set of 10 sterile single-use irrigation lines,  
with a flow rate of 30 to 150 ml/min.  
Ref. 1500984-010



**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**

500 ml spray lubricant oil. Box of 6.  
For turbines, handpieces, contra-angles, MX, Basch  
and Aquilon micromotors.  
Ref. 1600064-006

**iCHIROPRO - IMPLANTOLOGY AND SURGERY DEVICE  
FOR INSTRUMENTS WITH LIGHT AND KIRSCHNER/MEYER  
IRRIGATION SYSTEM**



**micro**  
SERIES

**iChiropro Kirschner/Meyer basic set with  
CA 20:1 L Micro-Series Kirschner/Meyer contra-angle**

1 iChiropro Kirschner/Meyer basic set ref. 1700504-001  
1 x CA 20:1 L Micro-Series contra-angle ref. 1600786-001

Kirschner/Meyer with light

**Ref. 1700505-001**

**iChiropro Kirschner/Meyer basic set:**

1 iChiropro control unit ref. 1600784-001  
1 MX-i LED micromotor ref. 1600755-001  
1 MX-i LED micromotor cable ref. 1600606-001  
1 x 3-button foot pedal ref. 1600631-001  
10 sterile single-use ref. 1501635-010  
Kirschner/Meyer irrigation lines  
10 irrigation line clips ref. 1303711-010  
2 sterile protective films ref. 1501746  
1 bracket ref. 1303393-001  
1 support ref. 1301575-001  
1 Swiss network cable ref. 1300065-001  
1 Europe network cable ref. 1300066-001  
1 Asia/USA network cable ref. 1300067-001  
1 support for iPad 4 ref. 1305949-001  
1 Torx® screwdriver ref. 1305947-001

**Ref. 1700504-001**







**Sterile protective film**

Set of 10 sterile single-use protective films for iPad.

Ref. 1501746-010



**Kirschner/Meyer irrigation lines**

Set of 10 sterile single-use Kirschner/Meyer irrigation lines with a flow rate of 30 to 150 ml/min.

Ref. 1501635-010



**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



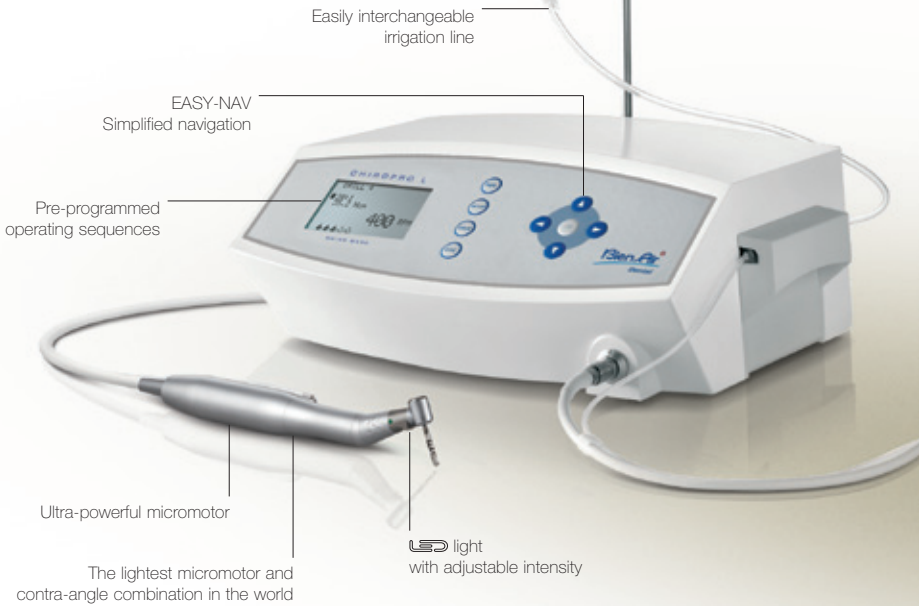
**Lubrifluid**

500 ml spray lubricant oil. Box of 6.

For turbines, handpieces, contra-angles, MX, Basch and Aquilon micromotors.

Ref. 1600064-006

# CHIROPRO L



The Chiropro L is an ultra-efficient and versatile physiodispenser, surgery and endodontics system.

With the Chiropro L, everything is designed for your comfort. The MX-i LED micromotor, the most powerful and lightweight on the market, has adjustable LED lighting which provides equal intensity at both high and low speeds. The contra-angle incorporates a unique irrigation system which is inside the instrument, offering optimal grip.

The Chiropro L offers 7 pre-programmed operating sequences. These programs can be customised to suit you.

Chiropro L, increase your expectations.



### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual-strand optical glass conductor gives 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 perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



### SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics offer perfect control of the torque and rotation speed, and the bur position, even at very low speed.



### EASY-NAV

Intuitive, simple, user-friendly navigation. You'll love this way of working: fast, logical and with added assistance. Straightforward. EASY-NAV. The professional interface.



### GOLD CONNECT

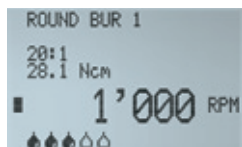
Bien-Air equips its instruments with gold-plated electrical contacts. This provides excellent electrical conductivity and improved resistance to oxidation.



### SWISS MADE

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

# CHIROPRO L TO MEET THE MOST EXACTING REQUIREMENTS



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

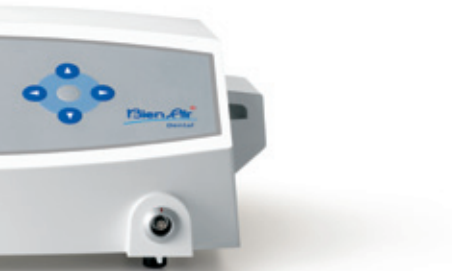
The Chiropro L offers 7 complete pre-programmed operating sequences. The Chiropro L can also be customised according to your needs.

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





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



**CHIROPRO L - IMPLANTOLOGY, SURGERY  
AND ENDODONTICS DEVICE FOR INSTRUMENTS  
WITH OR WITHOUT LIGHT**



**micro**  
SERIES

**Chiropro L basic set with  
CA 20:1 L Micro-Series contra-angle**

1 Chiropro L basic set ref. 1700298-001

1 CA 20:1 L contra-angle ref. 1600692-001

Micro-Series with light

**Ref. 1700307-001**

**Chiropro L basic set:**

1 Chiropro L control unit ref. 1600613-001

1 MX-i LED micromotor ref. 1600755-001

1 MX-i LED micromotor cable ref. 1600606-001

1 x 3-button foot pedal ref. 1600631-001

Set of 10 sterile single-use irrigation lines ref. 1500984-010

10 irrigation line clips ref. 1303711-010

1 bracket ref. 1303393-001

1 support ref. 1301575-001

1 Swiss network cable ref. 1300065-001

1 Europe network cable ref. 1300066-001

1 Asia/USA network cable ref. 1300067-001

**Ref. 1700298-001**



micro  
CERTIFIED



**Micro-Series Kirschner/Meyer CA 20:1 L**

Speed reducing factor of 20. Optical glass rod light, push-button bur locking, bur shank Ø 2.35 mm. Compatible with Micro-Series micromotors. With Kirschner/Meyer removable irrigation system. Irrigation set included ref. 1501621-001.

**Ref. 1600786-001**



**Irrigation lines**

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

**Ref. 1500984-010**



**Kirschner/Meyer irrigation lines**

Set of 10 sterile single-use Kirschner/Meyer irrigation lines with a flow rate of 30 to 150 ml/min.

**Ref. 1501635-010**



**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**



**Lubrifiuid**

500 ml spray lubricant oil. Box of 6. For turbines, handpieces, contra-angles, MX, Basch and Aquilon micromotors.

**Ref. 1600064-006**

# CHIROPRO

The Chiropro is a dedicated physiodispenser which is both simple and high-performance. Its MX-i micromotor is the lightest and most powerful on the market. The contra-angle incorporates a unique irrigation system which is inside the instrument, offering optimal grip. The Chiropro offers 7 pre-programmed operating sequences. These editable programs can be customised to suit you.







### ACCU-CHUCK

The most precise bur locking and rotation drive technology in the world. Discover perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



### SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics offer perfect control of the torque and rotation speed, and the bur position, even at very low speed.



### EASY-NAV

Intuitive, simple, user-friendly navigation. You'll love this way of working: fast, logical and with added assistance. Straightforward. EASY-NAV. The professional interface.



### GOLD CONNECT

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



### SWISS MADE

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

CHIROPRO - IMPLANTOLOGY DEVICE  
FOR INSTRUMENTS WITHOUT LIGHT



**Chiropro basic set with CA 20:1 contra-angle**

- |                        |                  |
|------------------------|------------------|
| 1 Chiropro basic set   | ref. 1700387-001 |
| 1 CA 20:1 contra-angle | ref. 1600632-001 |

**Ref. 1700388-001**


**Chiropro basic set:**

- |   |                  |
|---|------------------|
| 1 Chiropro control unit                       | ref. 1600724-001 |
| 1 MX-i micromotor                             | ref. 1600825-001 |
| 1 MX-i micromotor cable                       | ref. 1600606-001 |
| 1 x 3-button foot pedal                       | ref. 1600631-001 |
| Set of 10 sterile single-use irrigation lines | ref. 1500984-010 |
| 10 irrigation line clips                      | ref. 1303711-010 |
| 1 bracket                                     | ref. 1303393-001 |
| 1 support                                     | ref. 1301575-001 |
| 1 Swiss network cable                         | ref. 1300065-001 |
| 1 Europe network cable                        | ref. 1300066-001 |
| 1 Asia/USA network cable                      | ref. 1300067-001 |

**Ref. 1700387-001**

micro  
SERIES



 **light + Micro-Series upgrade set**

1 MX-i LED micromotor  
1 CA 20:1 L Micro-Series

ref. 1600755-001  
ref. 1600692-001

**Ref. 1700510-001**



**Irrigation lines**

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

**Ref. 1500984-010**



**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**

500 ml spray lubricant oil. Box of 6.  
For turbines, handpieces, contra-angles, MX, Basch and Aquilon micromotors.

**Ref. 1600064-006**

# IMPLANTOLOGY INSTRUMENTS

Thanks to the exceptionally ergonomic design of the new Bien-Air 20:1 L Micro-Series implantology contra-angle, the word 'comfort' takes on a whole new meaning.

This contra-angle has an irrigation system which is inside 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.





### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



### DUALOOK

In addition to being robust enough to withstand all conditions, the dual-strand optical glass conductor gives an enveloping, non-dazzling light, clearly showing depth. DUALOOK: the best lighting on the market.



### ACCU-CHUCK

The most precise chuck locking and rotation drive technology in the world. Discover perfectly balanced instruments, with none of the drawbacks of imbalance or vibration. The best of Swiss technology.



### 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 allow the best products to be created. 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

micro  
SERIES



### CA 20:1 L Micro-Series

Speed reducing factor of 20. Optical glass rod light, internal irrigation, push-button bur locking, bur shank Ø 2.35 mm.

Compatible with the complete range of Bien-Air micromotors.

**Ref. 1600692-001**



### CA 20:1 L

Speed reducing factor of 20. Optical glass rod light, internal irrigation, push-button bur locking, bur shank Ø 2.35 mm.

Compatible with the complete range of Bien-Air micromotors.

**Ref. 1600598-001**



### CA 20:1

Speed reducing factor of 20. Without light, internal irrigation, push-button bur locking, bur shank Ø 2.35 mm.

**Ref. 1600632-001**





## IMPLANTOLOGY CONTRA-ANGLES KIRSCHNER/MEYER IRRIGATION

micro  
SERIES



### Micro-Series Kirschner/Meyer CA 20:1 L

Speed reducing factor of 20. Optical glass rod light, push-button bur locking, bur shank Ø 2.35 mm.

With Kirschner/Meyer removable irrigation system.

Irrigation set included ref. 1501621-010.

Compatible with the complete range of Bien-Air micromotors.

**Ref. 1600786-001**



### Kirschner/Meyer CA 20:1 L

Speed reducing factor of 20. Optical glass rod light, push-button bur locking, bur shank Ø 2.35 mm.

With Kirschner/Meyer removable irrigation system.

Irrigation set included ref. 1501621-010.

Compatible with the complete range of Bien-Air micromotors.

**Ref. 1600785-001**





## STRAIGHT HANDPIECES WITH EXTERNAL IRRIGATION TUBE



### PM 1:1 external irrigation

Direct ratio. Without light, interchangeable sleeves with or without irrigation tube, locking ring, bur shank Ø 2.35 mm. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600052-001



### PM 1:2 external irrigation

Speed increasing factor of 2. Without light, sleeve with irrigation tube, locking ring, bur shank Ø 2.35 mm, Bur Guard sterile sleeve. Compatible with the complete range of Bien-Air micromotors.

Ref. 1600436-001



Examples of clinical applications in implantology	CA 1:1	PM 1:1	PM 1:2	CA 20:1	Speed ranges (rpm)
Smoothing of the alveolar crest	•	•	•		40,000-80,000
Implant site marking (ball bur)	•	•		•	2000/2500-40,000
Drilling				•	500-1000
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.

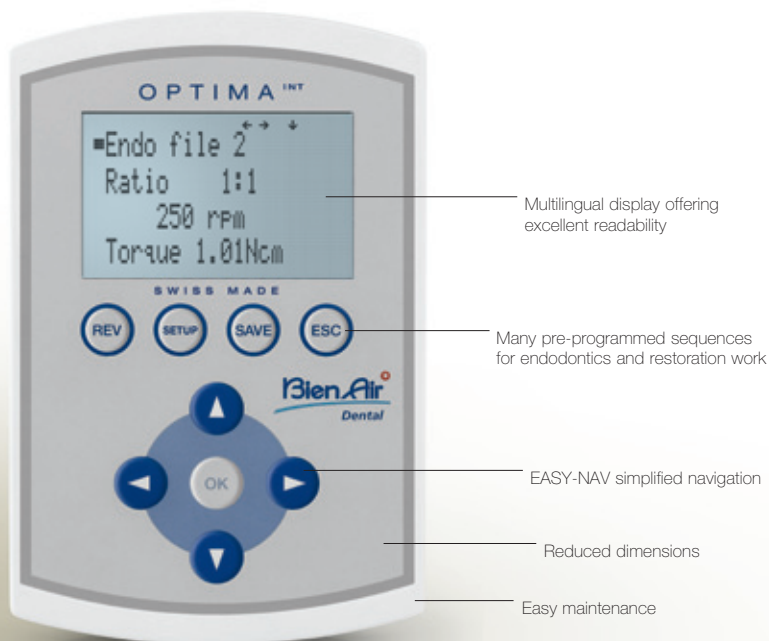
## THE VERY BEST MICROMOTORS DEMAND THE MOST HIGH- PERFORMANCE CONTROL UNITS

What is the point of having a powerful micromotor 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 micromotors, Bien-Air has designed control units which manage the necessary power, 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 the outstanding capacities of the MX2 LED, MCX LED and MX-i LED micromotors to the full. More than ever before, you have the very best tools at your fingertips.

## INTEGRATABLE SYSTEMS



# MX2 SYSTEMS



The MX2 LED is Bien-Air's little prodigy. The Optima<sup>INT</sup> control unit has been designed to get the very best from it.

The Optima<sup>INT</sup> and its micromotor guarantee absolute control of the bur's speed, torque and automatic reversal of the direction of rotation. Optima<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 saving time.

Thanks to its Easy-Nav philosophy, the Optima<sup>INT</sup> is incredibly intuitive and adapts to all 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 offer perfect control of the torque and rotation speed, and the bur position, even at very low speed.



#### EASY-NAV

Intuitive, simple, user-friendly navigation. You'll love this way of working: fast, logical and with added assistance. Straightforward. EASY-NAV. The professional interface.



#### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



#### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



#### GOLD CONNECT

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



#### SWISS MADE

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



## MX2 SYSTEMS TWO INSTRUMENTS FOR ALL YOUR INTERVENTIONS

Thanks to the unique performance of the combination of MX2 LED micromotors and Optima<sup>INT</sup> -DMX2 control units, no more than two contra-angle handpieces are now needed for the majority of dental restoration, prophylaxis or endodontics work, including procedures using NiTi tools.

With the CA 1:1 and CA 1:5, enjoy a speed range from 100 to 200,000 rpm. This remarkable progress makes it possible to reduce the number of instruments in the practice.





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



Table of current possible applications

Applications and contra-angles	CA 1:5	CA 1:1
Minimum speeds in rpm	500	100
Maximum speeds in rpm	200,000	40,000
Amalgam polishing		•
Root treatment – NiTi		•
Removal of deep caries		•
Removal of caries	•	•
Preparation of temporary crowns and bridges		•
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 of B+C, bevels and ridges	•	•
Finishing preparation of cavities, bevels and ridges		•
Occlusal adjustment	•	
Dentine reduction	•	•

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

**MX2 SYSTEM WITH ENDODONTIC FUNCTIONS  
INTEGRATABLE SYSTEM WITH REMOTE CONTROL UNIT**



- Broad speed range of the MX2 micromotor:  
from 100 to 40,000 rpm
- High speed mode for general operations
- Low speed mode for endodontics with NiTi tools:  
automatic reverse rotation function 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 MX2<sup>INT</sup> set with DMX2 Pro for 1 micromotor:**

1 Optima MX2 <sup>INT</sup> control unit	ref. 1600715-001
1 sterilisable MX2 micromotor	ref. 1600677-001
1 hose for MX2 micromotor	ref. 1600700-001
1 DMX2 Pro electronic control unit	ref. 1600666-001

**Ref. 1700386-001\***

\* Supplied with bracket and mounting screws, 16-pin cable.



**Set for 1 micromotor, with transformer:**

Basic set	ref. 1700386-001
1 80-240 Vac transformer with	
5 m 32 Vdc cable	ref. 1600591-001

**Ref. 1700390-001\*****Set for 1 micromotor, with converter:**

Basic set	ref. 1700386-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700391-001\*****Optima MX2<sup>INT</sup> set with DMX2 Pro for 2 micromotors with converter:**

1 Optima MX2 <sup>INT</sup> control unit	ref. 1600715-001
2 sterilisable MX2 micromotors	ref. 1600677-001
2 hoses for MX2 micromotors	ref. 1600700-001
1 DMX2 Pro electronic control unit	ref. 1600666-001
1 PL DMS relay	ref. 1500554-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700392-001\***

\* Supplied with bracket and mounting screws, 16-pin cable.

## MX2 SYSTEM WITH ENDODONTIC FUNCTIONS INTEGRATABLE SYSTEM, WITHOUT CONTROL UNIT

With a DMX2 Pro set and MX2 LED micromotor, the control system for your unit also controls the micromotor. Your distributor-installer is able to upgrade your electric or air-driven unit to MX2 technology. This gives you a high-performance instrument with your unit's customary control system.



### DMX2 Pro set for 1 micromotor:

1 DMX2 Pro electronic control unit	ref. 1600666-001
1 sterilisable MX2 micromotor	ref. 1600677-001
1 hose for MX2 micromotor	ref. 1600700-001

**Ref. 1700379-001**

### DMX2 Pro set for 1 micromotor, with converter:

1 DMX2 Pro electronic control unit	ref. 1600666-001
1 sterilisable MX2 micromotor	ref. 1600677-001
1 hose for MX2 micromotor	ref. 1600700-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700380-001**

### DMX2 Pro set for 2 micromotors:

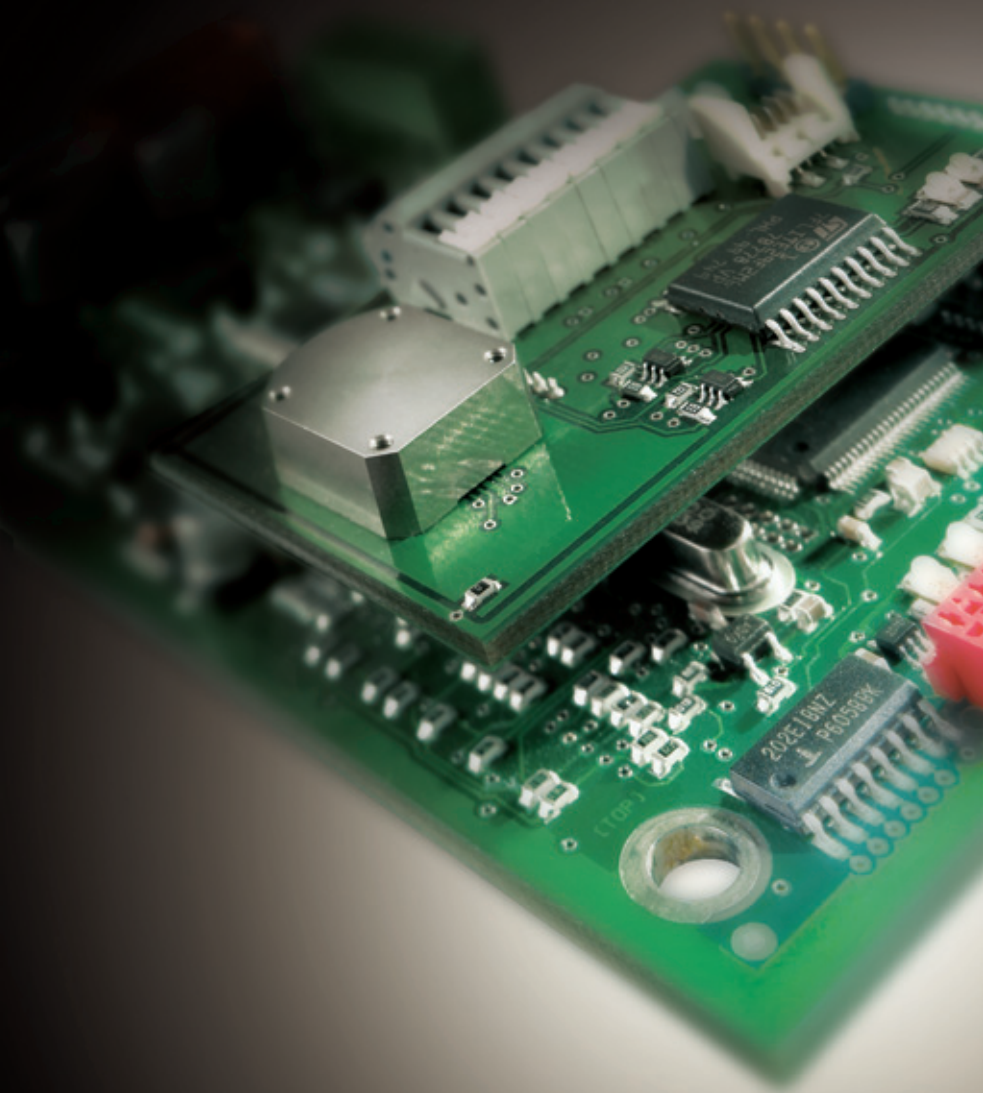
1 DMX2 Pro electronic control unit	ref. 1600666-001
2 sterilisable MX2 micromotors	ref. 1600677-001
2 hoses for MX2 micromotors	ref. 1600700-001

**Ref. 1700497-001**

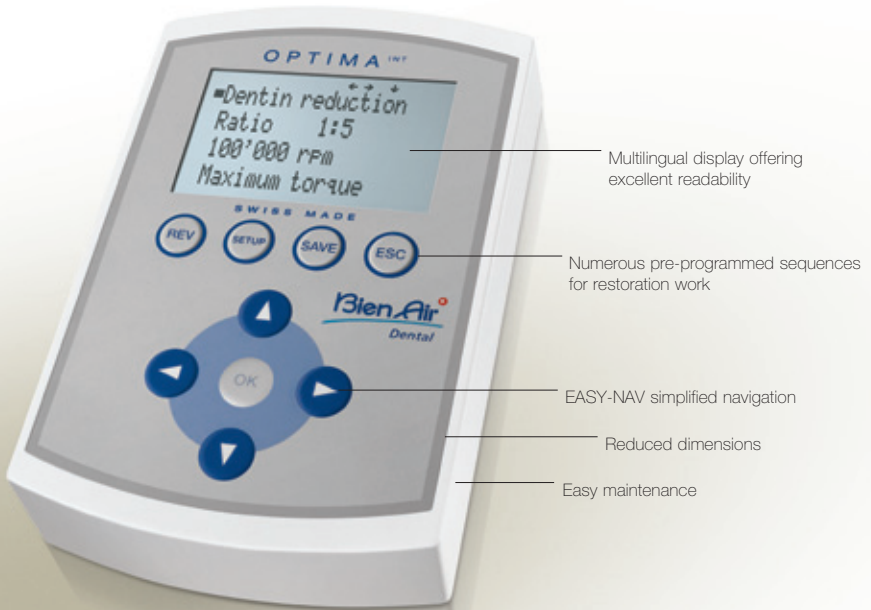
### DMX2 Pro set for 2 micromotors, with converter:

1 DMX2 Pro electronic control unit	ref. 1600666-001
2 sterilisable MX2 micromotors	ref. 1600677-001
2 hoses for MX2 micromotors	ref. 1600700-001
1 PL DMS relay	ref. 1500554-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700381-001**



# MCX SYSTEMS



The MCX is the smallest brushless micromotor ever designed by Bien-Air. It can be combined with the Optima<sup>INT</sup> control unit to ensure perfect bur control and optimal speed management. Thanks to its Smart Logic electronic control, the power is automatically regulated, adapting immediately to variations in pressure. This means the MCX delivers precise, constant power without the slightest jolt, during routine restoration work.

Thanks to its Easy-Nav philosophy, the Optima<sup>INT</sup> is incredibly intuitive and adapts to all dental chairs. It is ideal if you want to upgrade your pneumatic chair to bring it into the electronic age.



#### SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics offer perfect control of the torque and rotation speed, and the bur position, even at very low speed.



#### EASY-NAV

Intuitive, simple, user-friendly navigation. You'll love this way of working: fast, logical and with added assistance. Straightforward. EASY-NAV. The professional interface.



#### MICRO-SERIES

The Bien-Air Micro-Series brings together the Bien-Air series of compact contra-angles and handpieces and its micromotors with LED light. Lighter and more compact, the Micro-Series combinations offer exceptional grip and balance.



#### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



#### GOLD CONNECT

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



#### SWISS MADE

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## MCX SYSTEM WITHOUT ENDODONTIC FUNCTIONS INTEGRATABLE SYSTEM WITH REMOTE CONTROL UNIT

With an Optima<sup>INT</sup> set and MCX LED micromotor, you're equipped with the very best electronic technology for general dentistry. It can be easily installed on all types of air-driven or electric units.



### Optima MCX<sup>INT</sup> set with DMCX for 1 micromotor with LED light:

1 Optima MCX <sup>INT</sup> control unit	ref. 1600715-001
1 MCX LED micromotor	ref. 1600751-001
1 hose for MCX micromotor	ref. 1600756-001
1 DMCX electronic control unit	ref. 1600811-001
<b>Ref. 1700486-001*</b>	

### Optima MCX<sup>INT</sup> set with DMCX for 1 micromotor with LED light and transformer:

Basic set	ref. 1700486-001
1 80-240 Vac transformer, with 5 m 32 Vdc cable	ref. 1600591-001
<b>Ref. 1700488-001*</b>	

### Optima MCX<sup>INT</sup> set with DMCX for 1 micromotor with LED light and converter:

Basic set	ref. 1700486-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001
<b>Ref. 1700489-001*</b>	

### Optima MCX<sup>INT</sup> set with DMCX for 2 micromotors with LED light and converter:

1 Optima MCX <sup>INT</sup> control unit	ref. 1600715-001
2 MCX LED micromotors	ref. 1600751-001
2 hoses for MCX micromotor	ref. 1600756-001
1 DMCX electronic control unit	ref. 1600811-001
1 PL DMS relay	ref. 1500554-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001
<b>Ref. 1700487-001*</b>	

\* Supplied with bracket and mounting screws, 16-pin cable.

## MCX SYSTEM WITHOUT ENDODONTIC FUNCTIONS SYSTEM TO BE INTEGRATED WITHOUT CONTROL

123

With a DMCX set and MCX LED micromotor, the control system for your unit also controls the micromotor. Your distributor-installer is able to upgrade your electric or air-driven unit with MCX technology. This gives you a high-performance instrument with your unit's customary control system.



### DMCX LED set for 1 micromotor:

1 DMCX electronic control unit	ref. 1600811-001
1 MCX LED micromotor	ref. 1600751-001
1 hose for MCX micromotor	ref. 1600756-001

**Ref. 1700427-001**

### DMCX LED set for 1 micromotor with converter:

Basic set	ref. 1700427-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700428-001**

### DMCX LED set for 1 micromotor with transformer:

Basic set	ref. 1700427-001
1 80-240 Vac transformer, with 5 m 32 Vdc cable	ref. 1600591-001

**Ref. 1700442-001**

### DMCX LED set for 2 micromotors:

1 DMCX electronic control unit	ref. 1600811-001
2 MCX LED micromotors	ref. 1600751-001
2 hoses for MCX micromotor	ref. 1600756-001
1 PL DMS relay	ref. 1500554-001

**Ref. 1700429-001**

### DMCX LED set for 2 micromotors with converter:

1 DMCX electronic control unit	ref. 1600811-001
2 MCX LED micromotors	ref. 1600751-001
2 hoses for MCX micromotor	ref. 1600756-001
1 PL DMS relay	ref. 1500554-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700430-001**

## MCX SYSTEM WITHOUT ENDODONTIC FUNCTIONS SYSTEM TO BE INTEGRATED WITHOUT CONTROL

With a DMCX set and MCX micromotor, the control system for your unit also controls the micromotor. Your distributor-installer is able to upgrade your electric or air-driven unit with MCX technology. This gives you a high-performance instrument with your unit's customary control system.



### DMCX set for 1 micromotor:

1 DMCX electronic control unit	ref. 1600811-001
1 MCX micromotor	ref. 1600780-001
1 hose for MCX micromotor	ref. 1600756-001

**Ref. 1700431-001**

### DMCX set for 1 micromotor with converter:

Basic set	ref. 1700431-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700432-001**

### DMCX set for 2 micromotors:

1 DMCX electronic control unit	ref. 1600811-001
2 MCX micromotors	ref. 1600780-001
2 hoses for MCX micromotor	ref. 1600756-001
1 PL DMS relay	ref. 1500554-001

**Ref. 1700433-001**

### DMCX set for 2 micromotors with converter:

1 DMCX electronic control unit	ref. 1600811-001
2 MCX micromotors	ref. 1600780-001
2 hoses for MCX micromotor	ref. 1600756-001
1 PL DMS relay	ref. 1500554-001
1 24 Vac/32 Vdc-24 Vdc converter	ref. 1500580-001

**Ref. 1700434-001**



ETUP

SAVE

ES

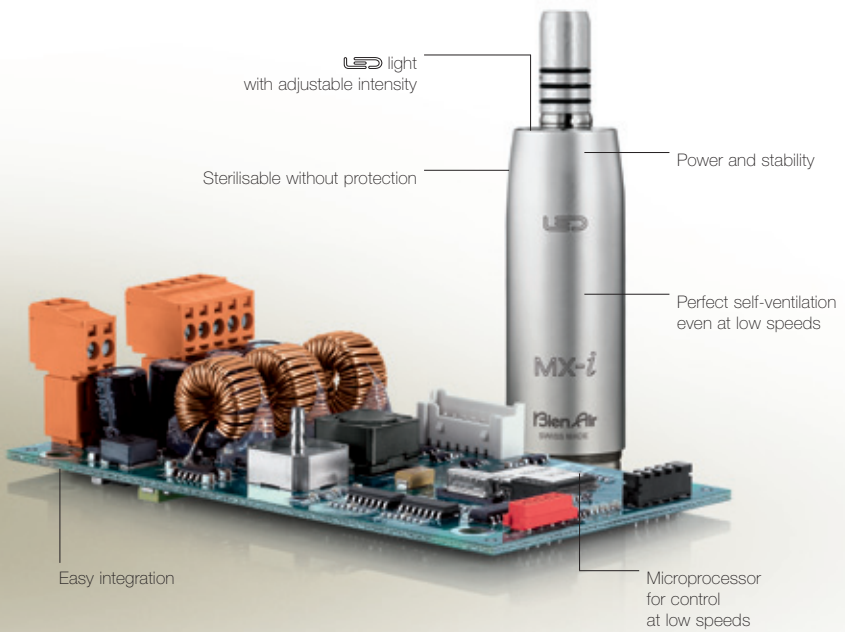
Bie



OK



# DMX-i CONTROL UNIT



The DMX-i LED set is specially designed to allow easy integration of the MX-i LED micromotor in your unit. This electrically controlled or air-driven unit is designed to simplify your daily practice, allowing numerous clinical applications such as implantology and dental surgery. Thanks to this control, the micromotor operates without vibration or jolting from the lowest to the highest speeds, in both directions of rotation and with unrivalled torque, particularly at low speeds. The DMX-i's major advantage is the unit's small dimensions. This means it is easy to integrate into all electric or air-driven units.



### SMART LOGIC

The most high-precision control ever obtained with a micromotor. Cutting-edge electronics offer perfect control of the torque and rotation speed, and the bur position, even at very low speed.



### GOLD CONNECT

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



### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



### CARE FREE

Thanks to its lifetime-lubricated ball bearings, your micromotor no longer needs lubrication after each use. This ensures it always has the optimum quantity of oil, is quicker to start using and has reduced maintenance costs.



### SWISS MADE

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



### DMX-i LED set

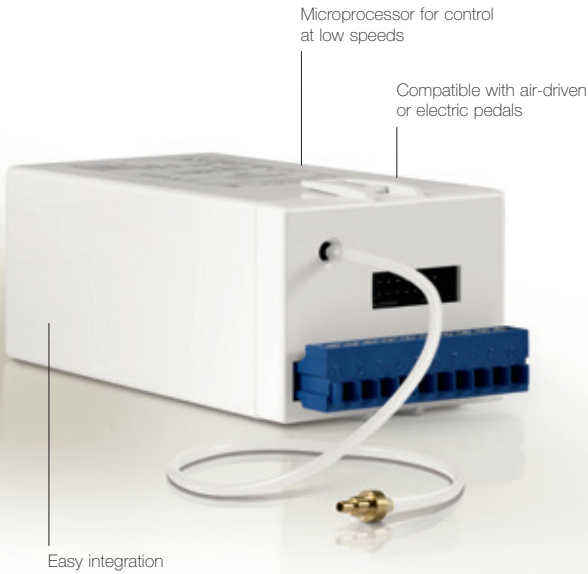
1 DMX-i electronic control unit  
1 MX-i LED micromotor  
1 MX-i LED motor cable

**Ref. 1700465-001\***

ref. 1501397-001  
ref. 1600755-001  
ref. 1600606-001

\* Supplied with analogue input cable and Chiropro L motor connector

## MC2 AND MC3 CONTROL UNITS



The PLMP 021 control unit is specially designed for MC3 and MC2 micromotors. Electrically or controlled or air-driven, it manages a very broad speed range from 60 to 40,000 rpm. Thanks to this control, the micromotors operate without vibration or jolting from the lowest to the highest speeds, in both directions of rotation and with a high torque, particularly at low speeds.

The PLMP 021's major advantage is the unit's small dimensions. This means it is easy to integrate into all electric or air-driven units.



### GOLD CONNECT

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



### SWISS MADE

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### PLMP 021 set

1 PLMP 021 microprocessor control unit ref. 1600350-001. Supplied with 18 metres of cable, potentiometer, solenoid valve, switch, adhesive sticker and flanges for fixing the unit.

**Ref. 1600351-001**



### PLMP 021

Control unit only.

**Ref. 1600350-001**



## 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.

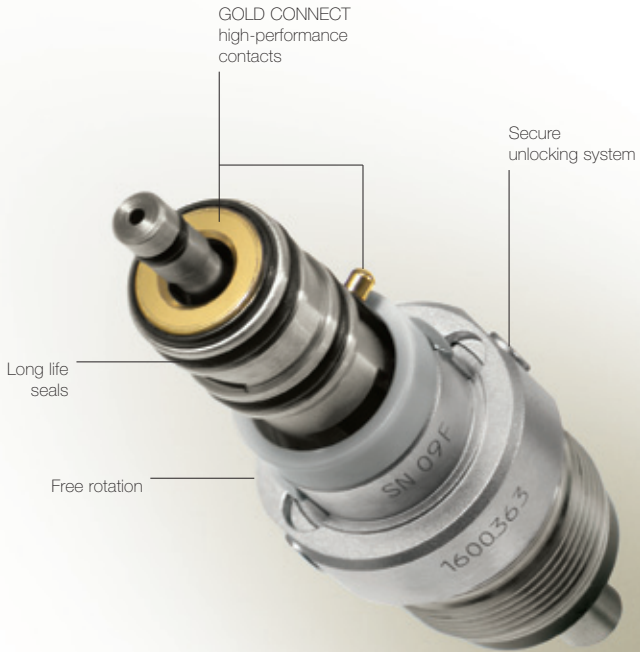
Our couplings and hoses are designed to allow you to work effortlessly with complete freedom. They are suitable for a large number of instruments, which can be interchanged in no time at all. What's more, every Bien-Air hose is individually tested in order to guarantee the very best performance. Comfort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

## COUPLINGS AND HOSES





# QUICK-CONNECT COUPLING



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





#### QUALITY LED

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 overheating, exceptional resistance to sterilisation.



#### FREE MOVE

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



#### GOLD CONNECT

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



#### SWISS MADE

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After manufacture, Bien-Air products undergo individual testing.

## UNIFIX COUPLINGS FOR INSTRUMENTS WITH LIGHT



### 4-way Unifix coupling

4-way quick-connect coupling, for instruments with light, with air anti-retraction valve.

Ref. 1600363-001



### 4-way Unifix coupling

4-way quick-connect coupling for instruments with light, with a valve for regulating the 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



### 2-/3-way Unifix coupling

2- or 3-way quick-connect coupling, for instruments without light.

Ref. 1600081-001



Non-sterilisable couplings.

## BIEN-AIR MULTIFLEX® COUPLINGS WITH LED LIGHT



### Bien-Air MULTIflex® coupling

4-way quick-connect coupling, LED light, for LK turbines.

Ref. 1600902-001



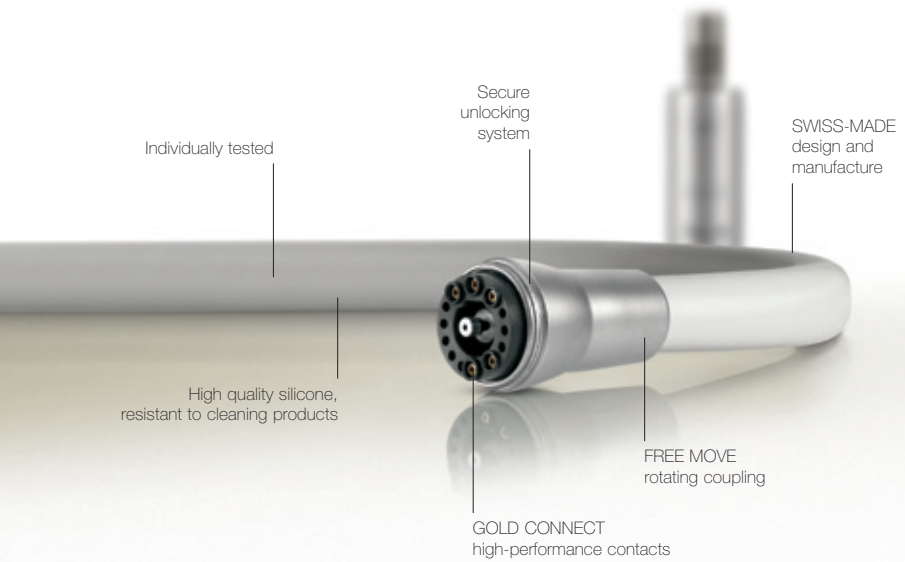
### Bien-Air MULTIflex® coupling

4-way quick-connect coupling, LED light,  
valve for regulating the spray, for LK turbines.

Ref. 1600866-001



# HOSES FOR MX2 MICROMOTOR



The MX2 hose is manufactured with the same dedication to efficiency and longevity as the micromotor designed to be used with it. Made from exceptionally high-quality materials, it is the ideal combination of flexibility and resistance to wear. The connection to the micromotor rotates around approximately 200°, guaranteeing excellent freedom of movement. Each hose is designed, assembled by hand and individually tested in Switzerland.



### FREE MOVE

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



### GOLD CONNECT

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



### SWISS MADE

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



### MX2 hose

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

**Ref. 1600700-001**

**Réf. 1600700-0** special length



### MX2 hose with bayonet connector

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

**Ref. 1600762-001**

**Réf. 1600762-0** special length



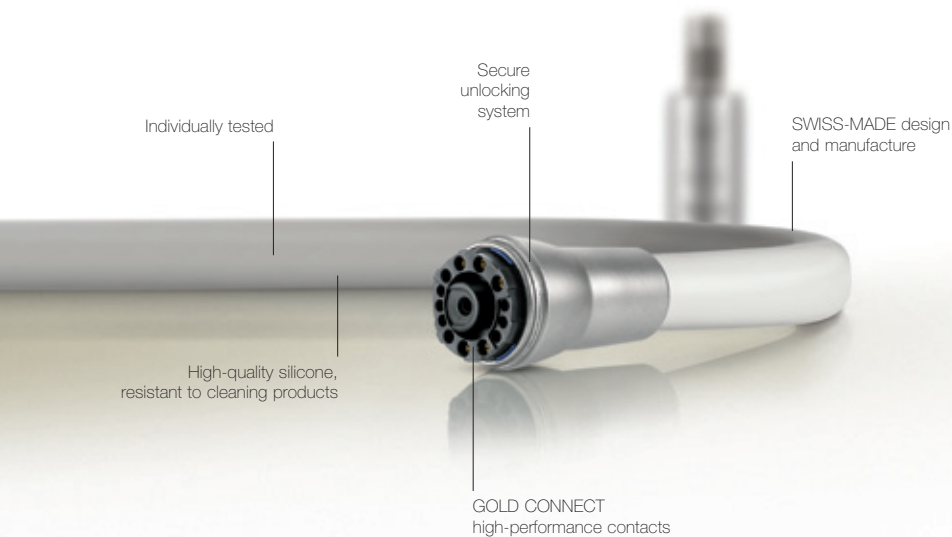
### MX2 hose set with bayonet connector

Complete hose ref. 1600762-001 with bayonet connector for unit, Ø 18 mm hole and anti-rotation slot, standard length 60 cm ref. 1600753-001.

**Ref. 1700396-001**



# HOSES FOR MCX MICROMOTORS



The MCX hose is manufactured with the same attention to detail as its dedicated micromotors. Manufactured using very high-quality materials, it offers the ideal combination of wear resistance and lightness to guarantee excellent freedom of movement when using the instrument, micromotor and hose assembly. Each hose is designed, assembled by hand and individually tested in Switzerland.



#### GOLD CONNECT

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



#### SWISS MADE

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



#### MCX hose

With fixed coupling, Ø 10 mm hose in grey silicone, standard length 2.1 m.

Ref. 1600756-001

Ref. 1600756-0 special length



#### MCX hose with bayonet connector

With fixed coupling, bayonet connector on unit side, Ø 10 mm hose in grey silicone, standard length 2.1 m.

Ref. 1600824-001



#### MCX hose set with bayonet connector

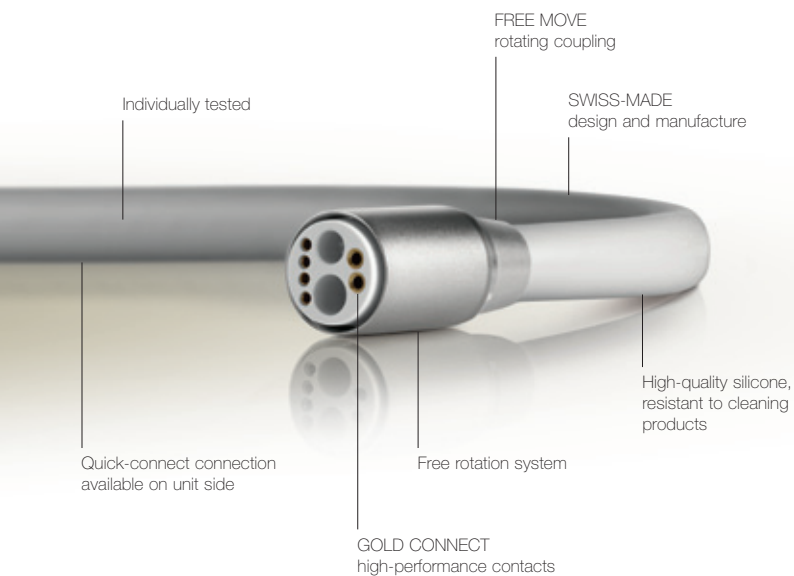
Complete hose ref. 1600824-001 with bayonet connector for unit, Ø 18 mm hole and anti-rotation slot, standard length 60 cm ref. 1600753-001.

Ref. 1700526-001



## 4VR 400 HOSES FOR MC3 MICROMOTORS

The 4VR 400 hose is specially designed for MC3 micromotors. Made from exceptionally high-quality materials, it is the ideal combination of flexibility and resistance to wear. It is available in lengths of up to 3 metres. Lightweight and fitted with a rotating coupling, it guarantees easy use of your instruments, with or without light. Each hose is assembled by hand and individually tested in Switzerland.







### FREE MOVE

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



### GOLD CONNECT

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



### SWISS MADE

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



#### 4VR 400 hose for MC3 micromotor

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

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



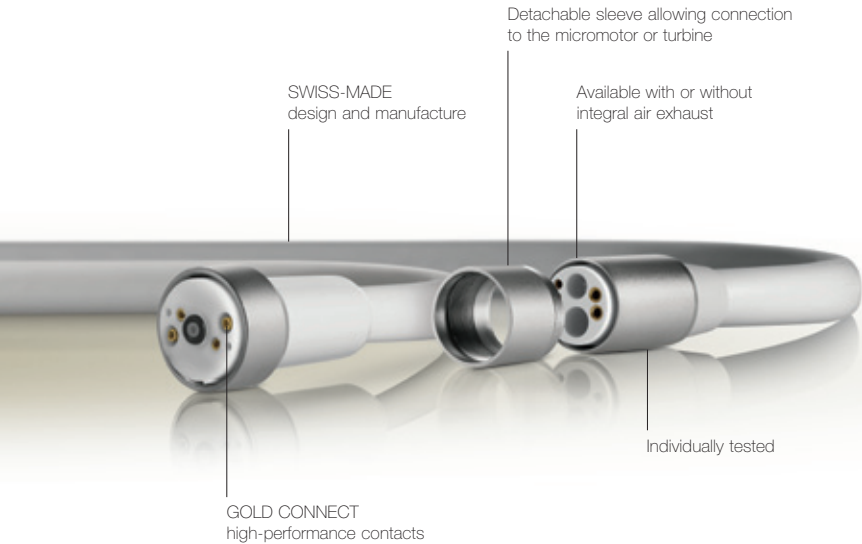
#### B4VR 400 set for MC3 micromotor

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

**Ref. 1700043-001**



# HOSES FOR TURBINES AND MC2, MC3, AQUILON AND MX-i MICROMOTORS



Whether fitted with an air exhaust, whether intended to function with or without light, or whether or not they are sterilisable, our hoses for turbines and MC2, MC3, Aquilon and MX-i 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. Each hose is assembled by hand and individually tested in Switzerland. A guarantee of quality and unfailing reliability.



### FREE MOVE

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



### GOLD CONNECT

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



### SWISS MADE

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

## 4VLM HOSES FOR TURBINES AND MC3 AND AQUILON MICROMOTORS

### 4VLM multi-purpose hose, grey

With 4-way coupling with electrical socket, 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, 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



## MC3 HOSES FOR KAVO AND SIRONA UNITS

Swiss-Made hoses for MC3 LED micromotors with rotating coupling for KaVo® or Sirona/Siemens® units.

### Hose with coupling for MC3 micromotor for KaVo® 1062/1065 units\*

With 4-way coupling and electrical socket, air exhaust, Ø 11 mm hose in grey silicone, standard length 1.7 m. For KaVo® 1062/1065\* units.

Ref. 1305243-001



### Hose with coupling for MC3 micromotor for Sirona/Siemens® M and C series units\*

With 4-way coupling and electrical socket, air exhaust, Ø 11 mm hose in grey silicone, standard length 1.7 m. For Sirona® M and C series units\*.

Ref. 1305244-001



\* Compatible with KaVo units: 1062/1063/1065/1066 and Sirona units: A1, A2, A4, A5, AC, C1, C1+, C2, C2+, C4, C4+, C5+, E1, E2, E4, E5, EC, M1, M1 96, M1+, SPIRIT S1, S2

## HOSE WITH FIXED COUPLING FOR MC2 MICROMOTORS

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For all MC2 series electric micromotors, with or without light.  
Hoses with fixed couplings, delivered with an adapter allowing the connection of micromotors 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, standard length 1.7 m.

Ref. 1600120-001

Ref. 1600120-0 special length



### Coiled hose with fixed coupling, black

With fixed coupling, with adapter for version without light, coiled black silicone, standard length 1.7 m.

Ref. 1600315-001



## HOSES WITH ROTATING COUPLING FOR 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, 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, standard length 1.7 m.

Ref. 1600298-001

Ref. 1600298-0 special length



## MC2 HOSES FOR KAVO AND SIRONA UNITS

Swiss-Made hoses for MC2 LED micromotors with rotating coupling for KaVo® or Sirona/Siemens® units.

### Hose with coupling for MC2 micromotor for KaVo® 1062/1065 units\*

With 4-way coupling and electrical socket, air exhaust, Ø 10 mm hose in grey silicone, standard length 1.7 m. For KaVo® 1062/1065\* units.

Ref. 1305263-001



### Hose with coupling for MC2 micromotor for Sirona/Siemens® M and C series units\*

With 4-way coupling and electrical socket, air exhaust, Ø 10 mm hose in grey silicone, standard length 1.7 m. For Sirona® M and C series units\*.

Ref. 1305264-001



\* Compatible with KaVo units: 1062/1063/1065/1066 and Sirona units: A1, A2, A4, A5, AC, C1, C1+, C2, C2+, C4, C4+, C5+, E1, E2, E4, E5, EC, M1, M1 96, M1+, SPIRIT S1, S2

## STERILISABLE CABLE FOR MX-i MICROMOTORS

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

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### Cable for MX-i and MX-i micromotors

Cable with fixed coupling, length 2 m, sterilisable 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





# Lubrifiant

Lubrifiant pour l'entretien des pièces à main, contre-angles et moteurs à air Bien-Air.

Lubrifier 1-2 fois par 1 seconde et avant de Tenir l'atomiseur verticalement. Voir notice d'entretien.

Schmiermittel zur Pflege von Bien-Air Hand- und Winkelstücken sowie Luftmotoren.

Bitte täglich ein bis zweimal jeder Sterilisation vor durchsprühen. Dose senkrecht halten. Bitte Pflegeanweisung beachten.

Lubricant for maintenance of all Bien-Air handpieces, contra-angles and air motors.

Lubricate once or twice 1 second and before cycle. Hold can in a vertical position when in use. See Bien-Air instruction.

Lubrificante para el mantenimiento de todas piezas de mano, contra-ángulos y motores de aire Bien-Air.

Lubrifícar 1-2 veces al día 1 segundo y antes de cada ciclo. Mantener el atomizador verticalmente. Referirse a la nota de instrucciones de Bien-Air.

Lubrificante per la manutenzione dei manipoli, contrangoli e motori ad aria Bien-Air.

Lubrificare 1-2 volte al giorno 1 secondo sul pulsante per un secondo ogni sterilizzazione. Tenere la bombola verticale. Leggere le istruzioni di manutenzione.

Tous les composants correspondent aux codes pharmaceutiques courants ou aux normes Foodgrade. Alle Inhaltsstoffe entsprechen den gängigen Pharmakodexen Foodgrade-Anforderungen. All contents comply with current pharmaceutical or toxicological standards or Foodgrade requirements. Tutti i componenti sono compatibili con le attuali norme farmaceutiche o tossicologiche.

# MAINTENANCE SPRAYS



The Bien-Air range of maintenance sprays comprises three specific 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.

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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**

500 ml spray lubricant oil. Box of 6.  
For turbines, handpieces, contra-angles, MX, Basch and Aquilon micromotors.

**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 devices.

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-watertight equipment and housings and electric micromotors. Direct spraying is perfectly suitable for all contra-angles, handpieces, turbines and air and brushless electric micromotors.



### Internal cleaning

Warning: Any instrument cleaned internally with Spraynet must always be relubricated before storage or sterilisation. 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

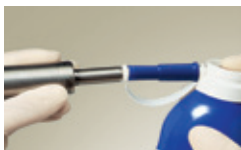
New, even more effective lubricating solution. It extends the service life of your instruments and ensures they operate correctly. Follow the recommendations given in the instructions for use, supplied with each instrument.

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### **Lubricate before each sterilisation or at least twice a day.**

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



Standard nozzle and small adapter for brushless micromotors, air micromotors and turbines. Lubricate air micromotors via the back of the appliance for 1 second.

### **Important note**

Not suitable for non-sterilisable brush micromotors or the MX2, MCX and MX-i micromotors.

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 sterilisation 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 tubes 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 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 range. Bien-Air quality, right down the line.

# ACCESSORIES AND CONTROL INSTRUMENTS





## ACCESSORIES FOR TURBINES



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



**LED for Bien-Air MULTiflex® coupling**  
Ref. 1305896-001



**PL Light Plus**  
For lighting power supply, air-driven.  
Ref. 1600774-001



**2- and 3-way outlet adapters**  
For Bien-Air turbines and air micromotors  
with 2- or 3-way fitting for 4-way hose.  
Ref. 1600089-001



Non-sterilisable couplings.



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

Eolia B 4-way quick-connect coupling with water non-return system, for second generation Eolia B.

Ref. 1600648-001



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

Eolia B quick-connect coupling, 2- or 3-way, for second generation Eolia B.

Ref. 1600647-001



#### 4-way Eolia B coupling

4-way bayonet quick-connect coupling, for first generation Eolia B.

Ref. 1600467-010 (10 pieces)



#### 2-/3-way Eolia B coupling

2- or 3-way bayonet quick-connect coupling, for first generation Eolia B.

Ref. 1600466-010 (10 pieces)



## ACCESSORIES FOR STRAIGHT HANDPIECES



### Bur guard sterile sleeve

For the new generation straight handpiece PM 1:2  
ref. 1600436-001. Box of 100.

**Ref. 1501317-100**



### PM 1:2 sleeve

With external irrigation tube. For the new generation  
straight handpiece PM 1:2 ref. 1600436-001 with Bur Guard  
sterile sleeve.

**Ref. 1501318-001**



### PM 1:2 sleeves

For the old generation straight handpiece PM 1:2  
ref. 1600436-001 without Bur Guard sterile sleeve.

**Ref. 1500567-001** With external irrigation tube

**Ref. 1500568-001** Without external irrigation tube



### PM 1:1 sleeves

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

**Ref. 1500003-001** Without external irrigation tube

**Ref. 1500552-001** With external irrigation tube




## ACCESSORIES FOR MICROMOTORS

161



 **light + Micro-Series upgrade set**  
For MC3 LK micromotor.  
**Ref. 1501370-001**



 **light + Micro-Series upgrade set**  
For MC2 Isolite 300 micromotor.  
**Ref. 1501369-001**



**Box of 5 bulbs**  
For micromotors.  
**Ref. 1500007-005**



## ACCESSORIES FOR CONTRA-ANGLES WITH EXTERNAL IRRIGATION



**Removable irrigation set for Micro-Series**  
**Kirschner/Meyer CA 20:1 L and Kirschner/Meyer CA 20:1 L**  
Comprising 10 sleeves and 10 K/M tubes.  
**Ref. 1501621-010**



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



**PL DMS relay**  
For Optima<sup>INT</sup> control units  
Ref. 1500554-001



**16-pin cable**  
For Optima<sup>INT</sup> control units  
Ref. 1500868-001



**Converter**  
Converter IN 24 Vac/OUT 32 Vdc-24 Vdc  
for DMX2 and DMCX.  
Ref. 1500580-001



**Transformer**  
80-240 Vac transformer, with 5 m 32 Vdc cable,  
for Optima<sup>INT</sup> control units  
Ref. 1600591-001

## iCHIROPRO, CHIROPRO L AND CHIROPRO ACCESSORIES

163

### Irrigation lines

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

**Ref. 1500984-010**



### Kirschner/Meyer irrigation lines

Set of 10 sterile single-use Kirschner/Meyer irrigation lines  
for iChiropro, Chiropro L and Chiropro control units,  
with a flow rate of 30 to 150 ml/min.

**Ref. 1501635-010**



### Irrigation line clips

Set of 10 clips for iChiropro, Chiropro L and Chiropro  
irrigation lines.

**Ref. 1303711-010**



### Sterile protective film

Set of 10 sterile single-use protective films for iPad.

**Ref. 1501746-010**





**Support for iPad 1**  
iPad 1 adapter for iChiropro control unit.  
Ref. 1305283-001



**Support for iPad 2**  
iPad 2 adapter for iChiropro control unit.  
Ref. 1305284-001



**Support for iPad 3**  
iPad 3 adapter for iChiropro control unit.  
Ref. 1305504-001



**Support for iPad 4**  
iPad 4 adapter for iChiropro control unit.  
Ref. 1305949-001





**Torx® screwdriver**  
For iPad adapter for iChiropro control unit.  
**Ref. 1305947-001**



**Chiropro foot pedal**  
Pedal with 3 buttons and variable speed drive.  
Functions: progressive speed, ON/OFF peristaltic pump, program selection, selection of the micromotor's direction of rotation.  
For iChiropro, Chiropro L and Chiropro control units.  
**Ref. 1600631-001**

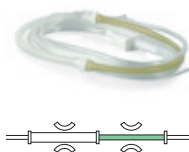
## MISCELLANEOUS



**Holder**  
For instruments and micromotors.  
**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 clips for Chiropro 980 irrigation line.

Ref. 1300064-010



### BASCH

Brushless micromotor, 500-40,000 rpm, sterilisable without protection, self-ventilated, type E coupling as per ISO 3964, power supply via special cable.

Ref. 1600076-001



### BASCH + cable set

Basch micromotor with 3 m cable, both sterilisable.

Ref. 1700074-001



**Cable for Basch micromotor**

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

**Ref. 1600342-001**

**Ref. 1600342-0** special length

**2-button pedal**

For Chiropro 980 control unit.

**Ref. 1600281-001**

**MISCELLANEOUS****Holder**

For instruments and micromotors.

**Ref. 1301575-001**



## MEASURING INSTRUMENTS

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



**3-way pressure gauge**  
For 2- or 3-way coupling.  
Ref. 1600242-001



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



**Flowmeter**  
For series MC2, MC3, MCX and MX2 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 provided by Bien-Air Dental SA. Local terms and conditions of sale, warranty and delivery are available from 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 catalogue 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 notarised documents and any other similar costs. The minimum invoice amount is CHF 500.-.



### Payment by credit card

Direct payment is accepted with 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 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 (EXW), unless other provisions are contained in the contract (Incoterms 2010).

**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 devices and liability as a "manufacturer" as defined in 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 law (Code of Obligations) shall be applicable in addition to the general terms and particular agreements between the customer and Bien-Air Dental SA.

**Jurisdiction: 2504 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 series MC2, MC3 and BASCH electric micromotors.
- The warranty period is 24 months for series MX2 LED, MX-i, MX-i LED, MCX, MCX LED and Prolab Basic electric micromotors.

Bien-Air also offers a 24-month warranty for the optic 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 authorised representative shall repair or replace the product free of charge, after analysing whether the complaint 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 from:

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



The execution of a service under warranty does not affect the duration of the warranty. In any case the guarantee becomes null and void if the product is not properly serviced or is modified by third parties not authorised 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**

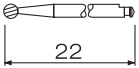
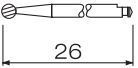
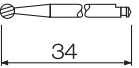
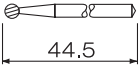
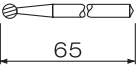
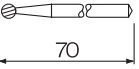
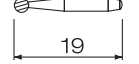
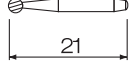
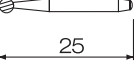
Swiss law (Code of Obligations) shall be applicable in addition to the general terms and particular agreements between the customer and Bien-Air Dental SA.

**Jurisdiction: 2504 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.

### Excerpt from International Standard ISO 6360/1, Table 5

	Bur length and code number		
	Normal	Long	Extra long
ISO code 6th digit	4	5	6
Type shank 1*	 22	 26	 34
Type shank 2*	 44.5	 65	 70
Type shank 3*	 19	 21	 25

\* Shanks compliant with ISO 1797

Dimensions in mm

### Abbreviations for chuck mechanisms

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

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

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

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Name of instrument	Chuck system	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
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>Handpieces with external irrigation</b>			
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>Laboratory handpieces and turbines</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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1301575-001	HOLDER PM STERILIZABLE	90/92/98/102/165/167
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