

PRODUCTS CATALOGUE







David Mosimann founded Bien-Air in 1959. His son, Vincent, currently presides over the Bien-Air Medical Technologies group.

BIEN-AIRCREATOR OF EXCELLENCE SINCE 1959



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

With over 50 years' experience in ENT surgery and dentistry, Bien-Air has won global recognition for the excellence and reliability of its products.

Ergonomics, precision and reliability are at the core of the development of every new product. Constantly in tune with the day-to-day requirements of practitioners, Bien-Air has moved beyond its previous innovation boundaries, constantly setting the bar higher. A true culture of excellence, which fits perfectly with the tradition of Swiss-Made products from the

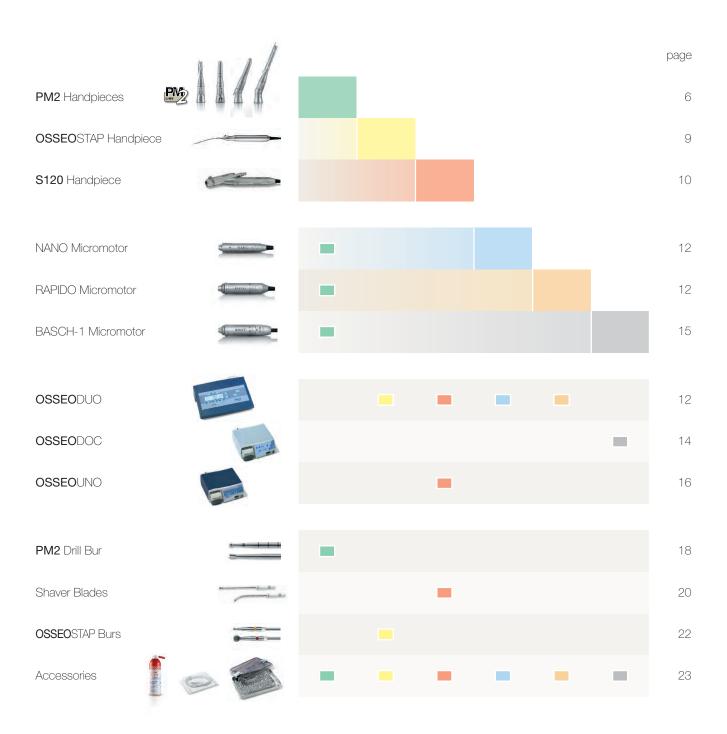
renowned Watch Valley. Bien-Air supplies the highest quality products, which can only be guaranteed by using the very best technologies and manufacturing processes.

Bien-Air is a human-scale family business. Its close relationships with its customers and partners are one of its most valuable assets. This is why every individual receives personalised attention.

Our promise is to continue our innovative approach in order to provide you with the most advanced, reliable instruments and solutions. Making your work easier, every day.



CONTENTS



PM2 HANDPIECES REINVENTING THE INSTRUMENT



PM2: REDEFINING ERGONOMICS

These handpieces are up to 51% lighter and 37% shorter than the previous generation. Comfort and handling have never been better. Handling your instrument requires less effort, leading to greater accuracy in your movements and less fatigue at the end of the operation.

The new Bien-Air PM2 standard connection offers a noticeable reduction in size. The new PM2 handpieces are compatible with the new Bien-Air NANO, RAPIDO and BASCH-1 micromotors. These too will win you over with their convenient size, high-level performance and the legendary reliability that has become the hallmark of Bien-Air products.

INTERNAL IRRIGATION

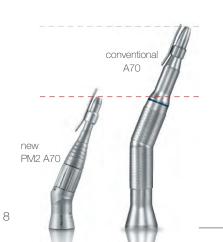
Heavy duty handpieces have a new irrigation system inside the instrument. The connection for the irrigation hose at the base of the instrument therefore enables the liquid to be channelled through the interior to the nozzle at its end. This will give you a better view of the tip of your instrument.

The physiological liquid also cools the handpiece during lengthy treatments requiring a high amount of torque. The handpiece does not heat up, remaining comfortable to handle throughout the entire treatment process.



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PM2 HANDPIECES AHEAD OF THE FIELD



The new PM2 handpieces are up to 51% LIGHTER and 37% SHORTER than

conventional handpieces

PM2 handpieces allow 3 bur extension lengths

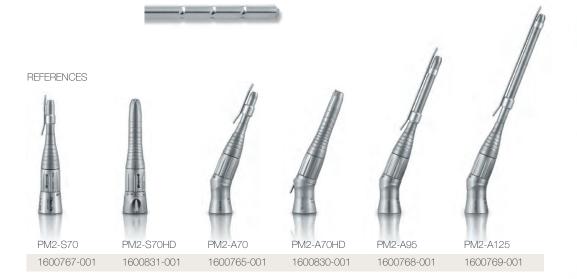
SECURE LOCKING SYSTEM

The PM2 range of burs has been specially designed to be used with PM2 handpieces and micromotors at speeds of up to 80,000 rpm.

The new triangular coupling prevents any loss of drive during heavy use. All torque is transferred for greater performance.

ADJUSTABLE BUR

The new generation of PM2 burs is fitted with additional retentive locking grooves at its base, meaning that the bur can be extended to 3 different lengths. This gives you access to the most delicate areas while providing better visibility.





The Bien-Air **OSSEO**STAP is an outstanding instrument, particularly notable for its light weight, extreme precision, ease of handling and reliability in all situations.

The OSSEOSTAP system has been designed for micro-shaping during delicate stapedotomy and ossiculoplasty operations on the middle ear.

A MODEL OF FRGONOMICS

The OSSEOSTAP handpiece is a model of ergonomics. Small in size and weighing only 60 grams, it is very easy to handle. Its reinforced, incurved front tip ensures easy access to the middle ear plate while offering maximum visibility.

The OSSEOSTAP handpiece is controlled by the OSSEODUO console or by a discreet and practical battery-operated pedal.

ULTIMATE CONTROL

The OSSEOSTAP handpiece integrates the latest Bien-Air brushless, sensorless micromotor. This powerful, high-tech micromotor rotates at speeds ranging between 2,000 rpm and 12,000 rpm, smoothly and without vibrations. Its innovative design means that even the most delicate micro-shaping operations are no longer a problem. Despite their reduced size, OSSEOSTAP burs have perfect concentricity, which further enhances precision and comfort.

The OSSEOSTAP handpiece, its motor, cable and tools have been designed to withstand multiple wash cycles and autoclave sterilisation processes.

OSSEOSTAP. So natural, you'll soon forget it's there, even though you'll find it indispensable...

REFERENCES

OSSEOSTAP* + OSSEOSTAP handpiece: REF 1700331-001
OSSEOSTAP handpiece with cable: REF 1600685-001

*Each **OSSEO**STAP set comprises:

1 **OSSEO**STAP control unit: REF 1600686-001 1 set of LR6/AA Alkaline batteries: REF 1304141-008 Bien Air osseost

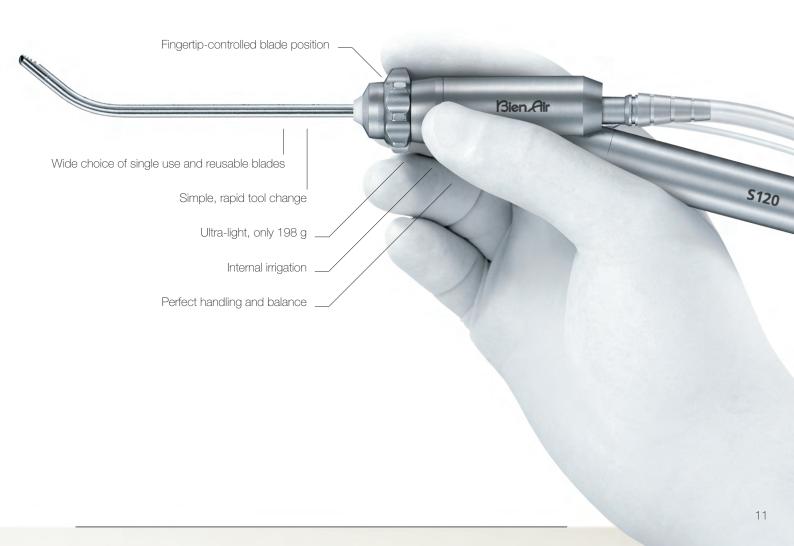
S120ERGONOMICS AND PRECISION



THE S120 HANDPIECE: REDEFINING ERGONOMICS, COMFORT AND PRECISION

The S120 handpiece with integrated micromotor is notable for its light weight, extreme precision and ease of handling. With its unique ergonomics and integrated irrigation, the S120 is marked out by its exceptional ease of handling and perfect balance. It ensures high-precision operations, even in areas that are difficult to access.

Weighing only 198g, the S120 handpiece is remarkably light. You will be particularly impressed with it during lengthy procedures, and will notice a considerable reduction in fatigue.



SIMPLY EFFICIENT

The S120 handpiece has been designed around a single concept: to make the instrument extremely simple to use, so that the surgeon can forget the tool and concentrate on the operation itself.

Positioning the S120's blade at the desired angle during the operation is extremely simple. It is no longer necessary to interrupt the treatment to withdraw and adjust the blade. Blade positioning is controlled by the fingertips. The self-locking system stops the blade from swivelling.

With its integrated irrigation, it is no longer necessary to disconnect the irrigation line to change the blade.

The integrated irrigation channel is also an effective cooling system for the handpiece, allowing you to concentrate fully on the operation in progress.

The S120 is supplied with a straight suction channel, allowing continued operation without obstruction.

A wide choice of shaver blades is available for the S120 handpiece. Whether single use or reusable, they will meet all your needs.

The handpiece and cable meet the strictest hygiene regulations, and can undergo autoclave sterilisation in complete safety.

Ultra-precision control of motors and handpieces

OSSEODUO HIGH-LEVEL CONTRO

High-speed shaping up to 80,000 rpm

Integrated irrigation with adjustable flow rate between 8 and 135 ml/min







| Max speed: | |
|--------------|--|
| Sound level: | |

Weight:

80,000 rpm ...000

115 g

RAPIDO

NANO 80,000 rpm •00000 80 g

RAPIDO MICROMOTOR

For lengthy procedures requiring more power. With its remarkable torque, it facilitates cutting and copes with even the hardest materials.

Its directional self-ventilation guarantees constant performance and comfortable use.

RAPIDO and NANO micromotors are compatible with the new range of Bien-Air ultra-compact PM2 handpieces.

NANO MICROMOTOR

For delicate work. Its reduced size and weight guarantee better handling and less fatigue at the end of the treatment procedure. The NANO is also notable for its extremely low sound level: it creates no more noise than a whisper. Its ultra-precise control and state-of-the-art performance make it the surgeon's tool par excellence.

REF 1302844-010

REFERENCES

1 set of 10 irrigation clips:

| TILI LI ILINOLO | |
|---|-----------------|
| OSSEODUO* + S120 + RAPIDO micromotor: | REF 1700521-001 |
| OSSEODUO* + S120 + NANO micromotor: | REF 1700522-001 |
| OSSEODUO* + RAPIDO micromotor: | REF 1700523-001 |
| OSSEODUO* + NANO micromotor: | REF 1700524-001 |
| OSSEO DUO* + S120: | REF 1700250-001 |
| RAPIDO micromotor with cable: | REF 1700503-001 |
| RAPIDO micromotor with cable: | REF 1600895-001 |
| NANO micromotor with cable: | REF 1700501-001 |
| S120 with cable: | REF 1700302-001 |
| *Each OSSEO DUO set comprises: | |
| 1 OSSEODUO control unit: | REF 1600513-001 |
| 1 watertight, 2-button multifunction pedal: | REF 1600517-001 |
| 1 irrigation stand: | REF 1500017-001 |
| 1 set of 10 irrigation lines with 2 flow-rate ranges: | REF 1100037-010 |
| | |

3 IN 1

Developed for and by working surgeons, the OSSEODUO combines state-of-the-art performance, unrivalled versatility and a huge choice of world's finest micromotors and instruments.

The OSSEODUO offers you rapid selection of 3 operating modes: shaver, drill or OSSEOSTAP (stapedotomy / ossiculoplasty).

The OSSEODUO has been designed for shaping bones and for resection of soft and hard tissues during surgical operations, particularly in the following fields:

- Ear, nose and throat surgery
- Otoneurologic surgery
- Plastic surgery
- Maxillofacial surgery, reconstruction of the face, neck, hands and feet
- Stapedotomy and ossiculoplasty





HIGH-PERFORMANCE SOLUTION

Unobtrusive, robust and stable, the OSSEODOC is also simple to use. It has been designed for bone shaping, particularly in the following areas:

- Ear surgery
- Otoneurologic surgery
- Plastic surgery
- Maxillofacial surgery, reconstruction of the face, neck, hands and feet

The **OSSEO**DOC is the instrument of choice for the most eminent ear surgeons. Its exemplary reliability and state-of-the-art performance have made it a benchmark tool.

It has buttons for selecting 4 motor speed ranges, direction of rotation, 2 irrigation options and 4 peristaltic pump delivery rates. All functions are also available on the pedal.

Indicator lamps and audible signals indicate the functions that have been activated.

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BASCH-1: GUARANTEED POWER

OSSEODOC

COMPACT AND POWERFUL

With its BASCH-1 motor and one of the many Bien-Air PM2 handpieces, this is a powerful and balanced assembly. It offers precise, smooth torque control.

The dedicated BASCH-1 motor creates high torque and a maximum speed of 40,000 rpm. It copes with even the hardest of materials. Its directional self-ventilation guarantees constant performance and ease of use.

The BASCH-1 and its cable have been designed to withstand repeated machine washing and sterilization in autoclave.



The BASCH-1 micromotor is ideal for treatments that require power and endurance. The BASCH-1 delivers an impressive maximum torque and a speed of 40,000 rpm. It is also compatible with the Bien-Air OSSEOPRO and ORL-E-922 consoles.



REFERENCES

| OSSEODOC* with pump + BASCH-1 mircromotor: | REF 1700525-001 |
|--|---|
| BASCH-1 micromotor with cable: | REF 1700502-001 |
| BASCH-1 micromotor without cable: | REF 1600884-001 |
| watertight pedal with 2-buttons, multifonction: irrigation stand: set of 10 irrigation lines with 2 flow rate changes: | REF 1600331-001 REF 1600407-001 REF 1500017-001 REF 1100037-010 REF 1300064-010 |

OSSEOUNO FOR NOSE SPECIALISTS

COMFORT AND PRECISION

The Bien-Air OSSEOUNO Shaver system offers state-of-the-art performance along with reduced size. The OSSEOUNO has been designed for bone shaping and resection of soft and hard tissues during nose and throat surgery.

All the OSSEOUNO control system functions can be viewed and accessed by simply pressing the keys or the pedal. The micromotor can be controlled in continuous rotation mode or oscillating rotation mode. You have a choice of 5 speed ranges. The OSSEOUNO therefore offers highly precise control of the rotation speed of the handpiece's integrated motor, up to 8,000 rpm.

The **OSSEO**UNO is fitted with an integrated peristaltic pump. The pump delivery is easily adjustable from 15 to 130 ml/min, by pressing a key.

THE S120 HANDPIECE: REDEFINING ERGONOMICS, PRECISION AND RELIABILITY

The S120 handpiece with integrated micromotor is notable for its light weight, extreme precision and ease of handling. With its unique ergonomics and integrated irrigation, the S120 stands out by its exceptional ease of handling and perfect balance. It ensures high-precision operations, even in areas that are difficult to access.

Weighing only 198g, the S120 handpiece is remarkably light. You will be particularly impressed with it during lengthy procedures, and will notice a considerable reduction in fatigue.



SIMPLY FEFICIENT

Positioning the S120's blade at the desired angle is extremely simple. It is no longer necessary to interrupt the treatment to withdraw and adjust the blade. The blade position is controlled by the fingertips during the operation.

With its integrated irrigation, it is no longer necessary to disconnect the irrigation line to change the blade. This lets you fully concentrate on the operation in progress.

The latest generation micromotor integrated into the S120 handpiece reaches a maximum speed of 8,000 rpm. It has established itself as a benchmark in terms of performance and precision, fully justifying the reputation for excellence that Bien-Air micromotors have achieved worldwide.

You'll be impressed with the OSSEOUNO system, complete with S120 handpiece: it is easy to use and offers a high level of performance as well as the legendary reliability that has become the hallmark of all Bien-Air products.

REFERENCES

| OSSEOUNO* with pump + S120: | REF 1700300-001 |
|--|-----------------|
| S120 handpiece with cable: | REF 1700302-001 |
| *Each OSSEO UNO set comprises: | |
| 1 OSSEOUNO control unit: | REF 1600628-001 |
| 1 watertight pedal with 2-buttons, multifonction: | REF 1600407-001 |
| 1 irrigation stand: | REF 1500017-001 |
| 1 set of 10 irrigation lines with 2 flow rate changes: | REF 1100037-010 |
| 1 set of 10 irrigation clips: | REF 1302844-010 |

Please contact us for further details about our burs for PM2 handpieces

SHAVER BLADES



SINGLE USE STRAIGHT SHAVER BLADES

| | Double serrated | Single serrated | Smooth |
|-----|-----------------|-----------------|-----------------|
| Ømm | 5 pces / box | 5 pces / box | 5 pces / box |
| 3.0 | REF 1600538-005 | REF 1600541-005 | REF 1600544-005 |
| 3.5 | REF 1600539-005 | REF 1600542-005 | REF 1600545-005 |
| 4.0 | REF 1600540-005 | REF 1600543-005 | REF 1600546-005 |

Usable length 110 mm



REUSABLE STRAIGHT SHAVER BLADES

| | Double serrated | |
|-----|-----------------|--|
| Ømm | 1 pce / box | |
| 3.0 | REF 1600579-001 | |
| 3.5 | REF 1600580-001 | |
| 4.0 | REF 1600581-001 | |

Usable length 110 mm - Can be dismantled for optimal cleaning



15°- SINGLE USE CURVED SHAVER BLADES - DOUBLE SERRATED

| | Concave | Convex |
|-----|-----------------|-----------------|
| Ømm | 5 pces / box | 5 pces / box |
| 4.0 | REF 1600570-005 | REF 1600571-005 |

Usable length 110 mm



40° - SINGLE USE CURVED SHAVER BLADES - DOUBLE SERRATED

| | Concave | Convex |
|----------------------|-----------------|-----------------|
| Ø mm | 5 pces / box | 5 pces / box |
| 3.0 | REF 1600548-005 | - |
| 4.0 | REF 1600550-005 | REF 1600559-005 |
| Usable length 110 mm | | |



60° - SINGLE USE CURVED SHAVER BLADES - DOUBLE SERRATED

| | Concave | Convex |
|----------------------|-----------------|-----------------|
| Ømm | 5 pces / box | 5 pces / box |
| 3.0 | REF 1600573-005 | - |
| 4.0 | REF 1600574-005 | REF 1600575-005 |
| Usable length 110 mm | | |







Single serrated



Smooth



BUR SHAVER BLADES













External tube: Ø 4.0 mm
5 pces / box
REF 1600572-005
Usable length: 120 mm

LARYNGEAL SHAVER BLADES



r OSSEOSTA

OSSEOSTAP BURS



OSSEOSTAP CARBIDE BURS

| | 1 pce / box sterile | Color coding | |
|------|----------------------------|--------------|--|
| ø mm | REF | | |
| 0.5 | REF 1501222-001 | Violet | |
| 0.6 | REF 1501223-001 | Blue | |
| 0.7 | REF 1501224-001 | Green | |
| 0.8 | REF 1501225-001 | Yellow | |
| 1.0 | REF 1501226-001 | Orange | |
| 1.4 | REF 1501227-001 | Grey | |
| 1.8 | REF 1501228-001 | Brown | |
| 2.3 | REF 1501229-001 | Red | |

OSSEOSTAP DIAMOND BURS

| | 1 pce / box sterile | Color | |
|------|----------------------------|--------|--|
| ø mm | REF | | |
| 0.6 | REF 1501230-001 | Blue | |
| 0.7 | REF 1501231-001 | Green | |
| 0.8 | REF 1501232-001 | Yellow | |
| 1.0 | REF 1501233-001 | Orange | |
| 1.2 | REF 1501428-001 | Black | |
| 1.4 | REF 1501234-001 | Grey | |
| 1.8 | REF 1501235-001 | Brown | |
| 2.3 | REF 1501236-001 | Red | |

OSSEOSTAP STAINLESS STEEL PERFORATOR

| | 1 pce / box sterile | Color | |
|------|---------------------|-------|--|
| ø mm | REF | | |
| 0.35 | REF 1501240-001 | Black | |

Set comprising 6 sterile burs, various diameters:

- 2 carbide burs - 3 diamond burs - 1 perforator



REF 1700332-001

Sterilization bur color coding table 5 pces / box REF 1304358-005

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ACCESSORIES







CLEANING

Aquacare

REF 1600617-006 (6x)

Spraynet

REF 1600036-006 (6x)

Lubrifluid

REF 1600064-006 (6x)

Cleaning brush for shaver handpiece

REF 1303678-010 (10x)

STERILIZATION TRAY

Microsaws sterilization tray $400 \times 50 \times 250 \text{ mm} \text{ (LxHxW)}$

REF 1700441-001

S80 / S120 sterilization tray $250 \times 50 \times 250 \text{ mm} \text{ (LxHxW)}$

REF 1600828-001

Sterilization tray for PM2 instruments $400 \times 65 \times 250 \text{ mm} \text{ (LxHxW)}$

REF 1600948-001

Sterilization tray for E-type instruments 400 x 60 x 250 mm (LxHxW)

REF 1600477-001

OSSEOSTAP sterilization tray $250\times50\times250~\text{mm}$ (<code>LxHxW</code>)

REF 1600669-001

Bur holder for 16 tools, sterilizable

REF 1600306-001

IRRIGATION ACCESSORIES

Irrigation lines

REF 1100037-010 (10x)

Clips for irrigation and succion lines on S80 / S120 / 80K / NANO / RAPIDO

REF 1302844-010 (10x)

on BASCH and BASCH-1





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