



CRANIAL AND SPINE
SOLUTIONS

SWISS  MADE



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

BIEN-AIR

CREATOR OF EXCELLENCE

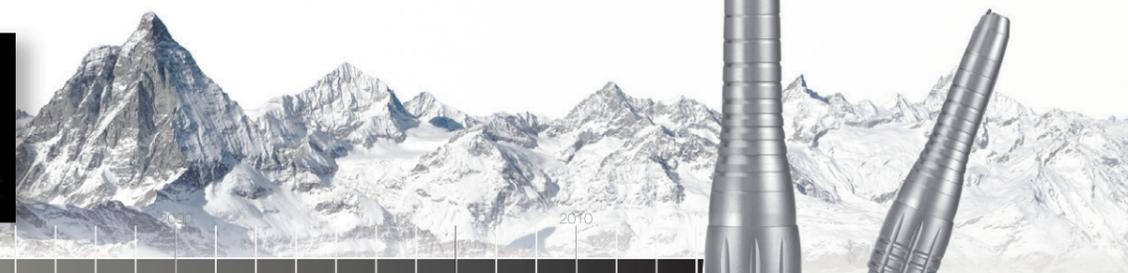
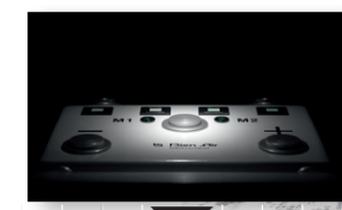
SINCE 1959

First electric motors
1975



ORL-E-92
The legendary pedal developed with Professor Fisch

1992



SWISS
MADE  QUALITY



1960

1970

1980

2010



1981
RHEOSTAT
First milling system for ear surgery

2007

OSSEODUO
The high-speed multifunction control unit



2014

PM2
Bien-Air reinvent the handpiece. Ergonomic design and state-of-the-art technology



1959

The Bien-Air adventure begins in Neuchâtel

Offering reliable and easy to use 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 60 years' experience in ENT surgery and dentistry, Bien-Air has won global recognition for the performance and reliability of its products.

Ergonomics, precision and durability 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 high quality products, which can only be guaranteed by using state-of-the-art 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 advanced instruments and solutions. Making your work easier, every day.

OSSEODUO

SIMPLE AND PRACTICAL



| | RAPIDO MICROMOTOR | NANO MICROMOTOR |
|--------------|-------------------|-----------------|
| Max speed: | 80,000 rpm | 80,000 rpm |
| Sound level: | | |
| Weight: | 115g | 80g |

The RAPIDO is a powerful, ventilated micromotor with excellent torque. It provides significant cutting performance even in challenging surgical situations. The directional self-ventilation provides low operating temperatures, consistent performance and comfort during long procedures.

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

The NANO micromotor is compact, lightweight and extremely quiet. It provides speed, torque, ergonomics, and less fatigue at the end of each surgical procedure.

With its convenient size and versatility the **OSSEODUO** paves the way for an optimal surgical experience.

Developed by and for surgeons, the **OSSEODUO** combines simplicity of use with performance to provide a comprehensive portfolio of micromotors and instruments. One **OSSEODUO** feature allows you to rapidly select any connected micromotor from the console or the foot pedal.

The **OSSEODUO** is a multi-functional power console specifically designed for the following surgical specialties:

- ENT Surgery
- Neurosurgery
- Spine Surgery

Offering independence to the surgeon, the pedal controls the micromotor's speed, rotation direction and activates irrigation.

Ultra-precision control of motors and handpieces

High-speed shaping up to 80,000 rpm

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



PM PERFO

POWERFUL AND ERGONOMIC

The PM PERFO handpiece is efficient. Its torque combined with ergonomics provides power and control during trepanation procedures.



GUARDS FOR CRANIOTOMY WITH INTERNAL IRRIGATION



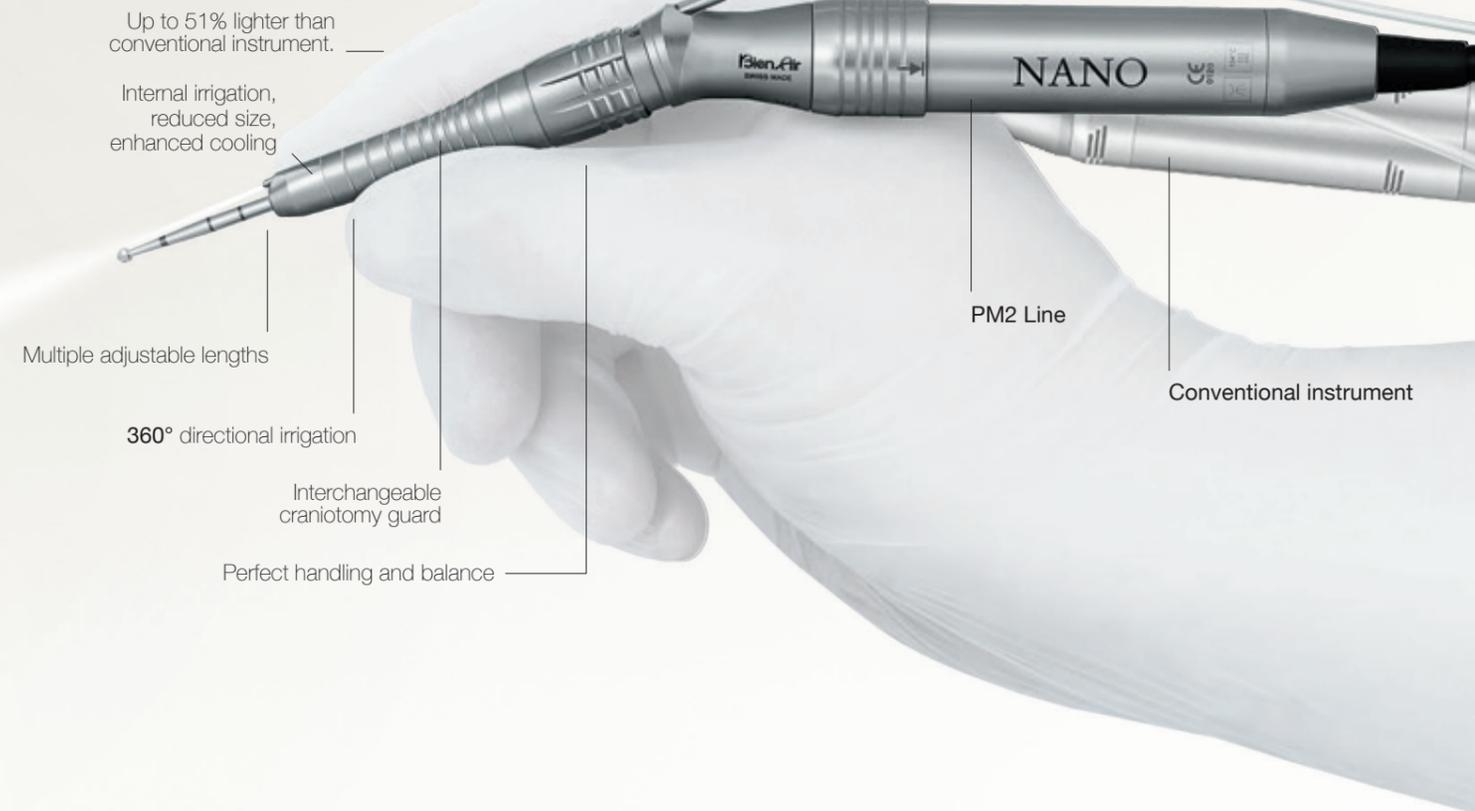
INTERCHANGEABLE GUARDS FOR CRANIOTOMY

The PM2-S70HD heavy-duty straight handpiece boasts an ingenious system of detachable guards. This allows you to attach the guard of your choice in an instant.

With the Bien-Air system there is no need for a craniotomy specific handpiece, you can just simply connect a craniotomy guard to your standard straight handpiece.

Thanks to Bien-Air guards, there is no need for manual external irrigation. The guards are equipped with irrigation inside the instrument. Your cutting tool is provided with precise irrigation via two nozzles at the end of each guard.

The irrigation nozzles direct the jets precisely onto the tool



PM2 HANDPIECES

REDEFINING ERGONOMICS

Handling your instrument requires less effort, leading to greater accuracy in your movements and less fatigue.

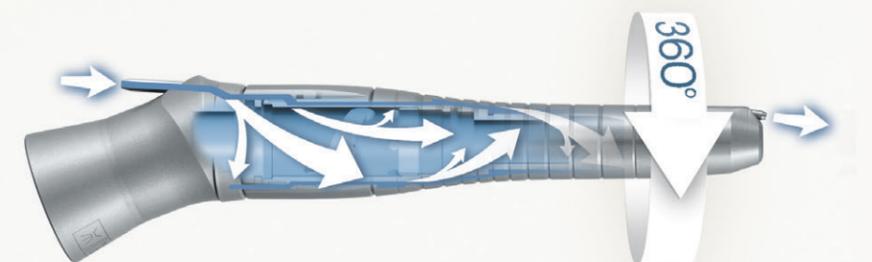
The Bien-Air PM2 standard connection offers a noticeable reduction in size and a great flexibility. Each PM2 handpiece is compatible with the NANO and RAPIDO micromotors.

INTERNAL IRRIGATION

Our heavy duty handpieces feature a unique irrigation system. The irrigation hose connection is at the base of the instrument and is internally channeled through to the distal end.

This design keeps your handpiece from overheating during long procedures.

Your handpiece will remain comfortable and cool throughout lengthy or demanding surgical case.



The internal irrigation system cools the handpiece while ensuring perfect handling and visibility



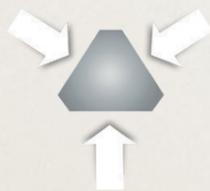
PM2 AHEAD OF THE FIELD

The Bien-Air PM2 handpieces are specifically built for Spine surgery. The design has been optimized to deliver precision and power, while maintaining the visibility needed when working on delicate structure and confined spaces.



ADJUSTABLE BUR

The PM2 burs are fitted with additional retentive locking grooves at the base. This means that the bur can be extended to 3 different lengths, giving you more access to delicate areas while providing better visibility without compromising bur stability.



The triangular coupling prevents any loss of drive during use and all the motor torque is transferred to the bur for greater performance.

PRODUCTS OVERVIEW



CRANIO GUARDS



PM2 STRAIGHT OR ANGLED ATTACHMENT



NANO Micromotor + Cable 1700501-001
NANO Micromotor 1600777-001
NANO cable 1600865-001



RAPIDO Micromotor + Cable 1700503-001
RAPIDO Micromotor 1600895-001
80K/RAPIDO/PM PERFO cable 1600519-001

MICROMOTORS



PM PERFO + Cable 1700500-001
PM PERFO 1600832-001
80K/RAPIDO/PM PERFO cable 1600519-001



Set OSSEODUO* + RAPIDO 1700523-001
Set OSSEODUO* + NANO 1700524-001



PM2 sterilization tray Neuro 1600949-001



Aquacare 1600617-006



Lubrifiud 1600064-006



Irrigation lines 1100037-010



Irri clip S120/80K/NANO/RAPIDO 130844-010

Nr. 4.

*Each set includes 1 control unit, 1 foot pedal, 1 irrigation stand, 1 power cable, 10 irrigation lines, and 10 irrigation clips.

PM2 – 80K* BURS RANGE

(*maximum usable speed for the bur: 80,000 rpm)



● 70 MM

| STAINLESS STEEL | | DIAMOND | | CARBIDE | | FULL CARBIDE | |
|------------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| Sterile – 5 pces / box | | Sterile – 1 pce / box | | Sterile – 1 pce / box | | Sterile – 1 pce / box | |
| ø mm | Single use | ø mm | Single use | ø mm | Single use | ø mm | Single use |
| 0.6 | 1100351-005 | 0.6 | 1100365-001 | 0.5 | 1100392-001 | 0.5 | 1100475-001 |
| 0.8 | 1100352-005 | 0.8 | 1100366-001 | 0.8 | 1100393-001 | 1.0 | 1100462-001 |
| 1.0 | 1100353-005 | 1.0 | 1100367-001 | 1.0 | 1100394-001 | 1.5 | 1100463-001 |
| 1.4 | 1100354-005 | 1.4 | 1100368-001 | 1.4 | 1100395-001 | 2.0 | 1100464-001 |
| 1.8 | 1100355-005 | 1.8 | 1100369-001 | 1.8 | 1100396-001 | 2.3 | 1100465-001 |
| 2.3 | 1100356-005 | 2.3 | 1100370-001 | 2.3 | 1100397-001 | 3.0 | 1100466-001 |
| 2.7 | 1100357-005 | 2.7 | 1100371-001 | 2.7 | 1100398-001 | 3.5 | 1100483-001 |
| 3.1 | 1100358-005 | 3.1 | 1100372-001 | 3.1 | 1100399-001 | 4.0 | 1100467-001 |
| 3.5 | 1100359-005 | 3.5 | 1100373-001 | 3.5 | 1100400-001 | 4.5 | 1100484-001 |
| 4.0 | 1100360-005 | 4.0 | 1100374-001 | 4.0 | 1100401-001 | 5.0 | 1100476-001 |
| 4.5 | 1100361-005 | 4.5 | 1100375-001 | 4.5 | 1100402-001 | 6.0 | 1100468-001 |
| 5.0 | 1100362-005 | 5.0 | 1100376-001 | 5.0 | 1100403-001 | 7.0 | 1100477-001 |
| 6.0 | 1100363-005 | 6.0 | 1100377-001 | 6.0 | 1100404-001 | | |
| 7.0 | 1100364-005 | 7.0 | 1100378-001 | 7.0 | 1100405-001 | | |

| COARSE DIAMOND | | EXTRA COARSE DIAMOND | | MATCHSTICK | | TWIST DRILL INOX | |
|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| Sterile – 1 pce / box | |
| ø mm | Single use | ø mm | Single use | ø mm | Single use | ø x L mm | Single use |
| 2.3 | 1100379-001 | 4.5 | 1100381-001 | 1.8 | 1100460-001 | 1.5 x 12 | 1100459-001 |
| 3.1 | 1100380-001 | 6.0 | 1100382-001 | 3.0 | 1100461-001 | 1.1 x 5 | 1100473-001 |

| STRAIGHT CRANIOTOMY | | SPIRAL CRANIOTOMY | |
|-----------------------|-------------|-----------------------|-------------|
| Sterile – 1 pce / box | | Sterile – 1 pce / box | |
| L mm | Single use | L mm | Single use |
| 10 | 1100383-001 | 10 | 1100386-001 |
| 15 | 1100384-001 | 15 | 1100387-001 |
| 25 | 1100414-001 | 25 | 1100413-001 |

Nr. 2.
Nr. 3.



● 95 MM

| STAINLESS STEEL | | DIAMOND | | COARSE DIAMOND | | EXTRA COARSE DIAMOND | |
|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| Sterile – 1 pce / box | |
| ø mm | Single use |
| 1.0 | 1100446-001 | 1.0 | 1100320-001 | 3.1 | 1100325-001 | 3.8 | 1100444-001 |
| 1.8 | 1100447-001 | 1.8 | 1100321-001 | 4.0 | 1100326-001 | 4.7 | 1100445-001 |
| 2.3 | 1100448-001 | 2.3 | 1100322-001 | 5.0 | 1100327-001 | 6.0 | 1100490-001 |
| 3.1 | 1100449-001 | 3.1 | 1100323-001 | 6.0 | 1100328-001 | | |
| 4.0 | 1100450-001 | 4.0 | 1100324-001 | | | | |
| 5.0 | 1100451-001 | | | | | | |
| 6.0 | 1100452-001 | | | | | | |

| DRUM | | MATCHSTICK | |
|-----------------------|------------------------------|-----------------------|-------------|
| Sterile – 1 pce / box | | Sterile – 1 pce / box | |
| ø x L mm | Single use | ø mm | Single use |
| 5 x 10 | stainless steel: 1100339-001 | 1.8 | 1100336-001 |
| 4 x 8 | coarse diamond: 1100338-001 | 3.0 | 1100337-001 |



● 125 MM

| STAINLESS STEEL | | DIAMOND | | COARSE DIAMOND | | EXTRA COARSE DIAMOND | |
|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| Sterile – 1 pce / box | |
| ø mm | Single use |
| 1.8 | 1100453-001 | 1.0 | 1100308-001 | 3.1 | 1100313-001 | 3.8 | 1100316-001 |
| 2.3 | 1100454-001 | 1.8 | 1100309-001 | 4.0 | 1100314-001 | 4.7 | 1100317-001 |
| 3.1 | 1100455-001 | 2.3 | 1100310-001 | 5.0 | 1100315-001 | 6.0 | 1100491-001 |
| 4.0 | 1100456-001 | 3.1 | 1100311-001 | | | | |
| 5.0 | 1100457-001 | 4.0 | 1100312-001 | | | | |
| 6.0 | 1100458-001 | | | | | | |

| DRUM | | MATCHSTICK | |
|-----------------------|------------------------------|-----------------------|-------------|
| Sterile – 1 pce / box | | Sterile – 1 pce / box | |
| ø x L mm | Single use | ø mm | Single use |
| 5 x 10 | stainless steel: 1100343-001 | 1.8 | 1100340-001 |
| 4 x 8 | coarse diamond: 1100342-001 | 3.0 | 1100341-001 |



● 150 MM

| STAINLESS STEEL | | DIAMOND | | COARSE DIAMOND | | MATCHSTICK | |
|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| Sterile – 1 pce / box | |
| ø mm | Single use |
| 3.1 | 1100344-001 | 1.0 | 1100329-001 | 3.1 | 1100333-001 | 1.8 | 1100481-001 |
| 4.0 | 1100345-001 | 1.8 | 1100330-001 | 4.0 | 1100334-001 | 3.0 | 1100482-001 |
| | | 3.1 | 1100331-001 | 5.0 | 1100335-001 | | |
| | | 4.0 | 1100332-001 | | | | |



S W I S S  M A D E