

BienAir<sup>+</sup>  
Surgery



CRANIAL AND SPINE  
SOLUTIONS

S W I S S  M A D E



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

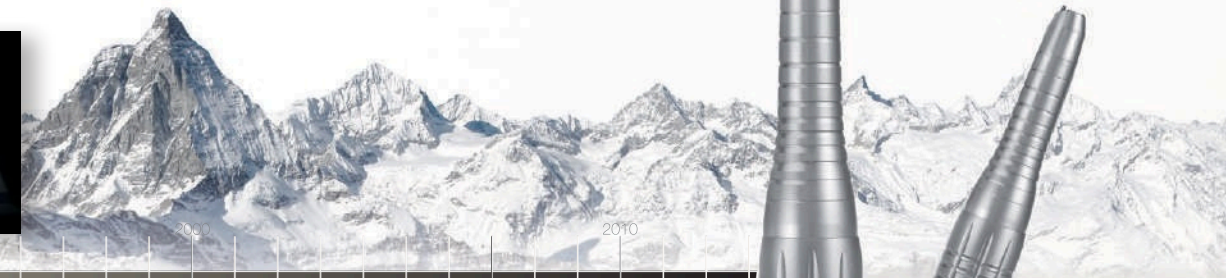
First electric motors

1 975



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

1 992



SWISS  
MADE   
QUALITY



2 014

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



1 959

The Bien-Air adventure begins in Neuchâtel

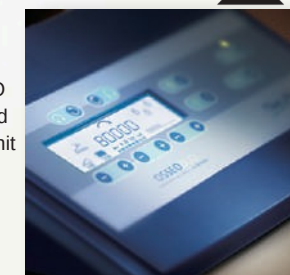


1 981

RHEOSTAT  
First milling system  
for ear surgery

2007

OSSEODUO  
The high-speed  
multifunction control unit



Offering reliable and easy to use instruments A true culture of excellence, which fits to simplify the work of practitioners and perfectly with the tradition of Swiss-Made constantly improve patient comfort has been products from the renowned Watch Valley. Bien-Air's mission since its creation in 1959. Bien-Air supplies high quality products, which can only be guaranteed by using state-of-

With over 60 years' experience in ENT surgery, the-art technologies and manufacturing and dentistry, Bien-Air has won global recognition for the performance and reliability of its products. processes.

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 advanced instruments and solutions. Making boundaries, constantly setting the bar your work easier, every day. higher.

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 has moved beyond its previous innovation advanced instruments and solutions. Making boundaries, constantly setting the bar your work easier, every day. higher.



# 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 OSSEO- DUO 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. 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



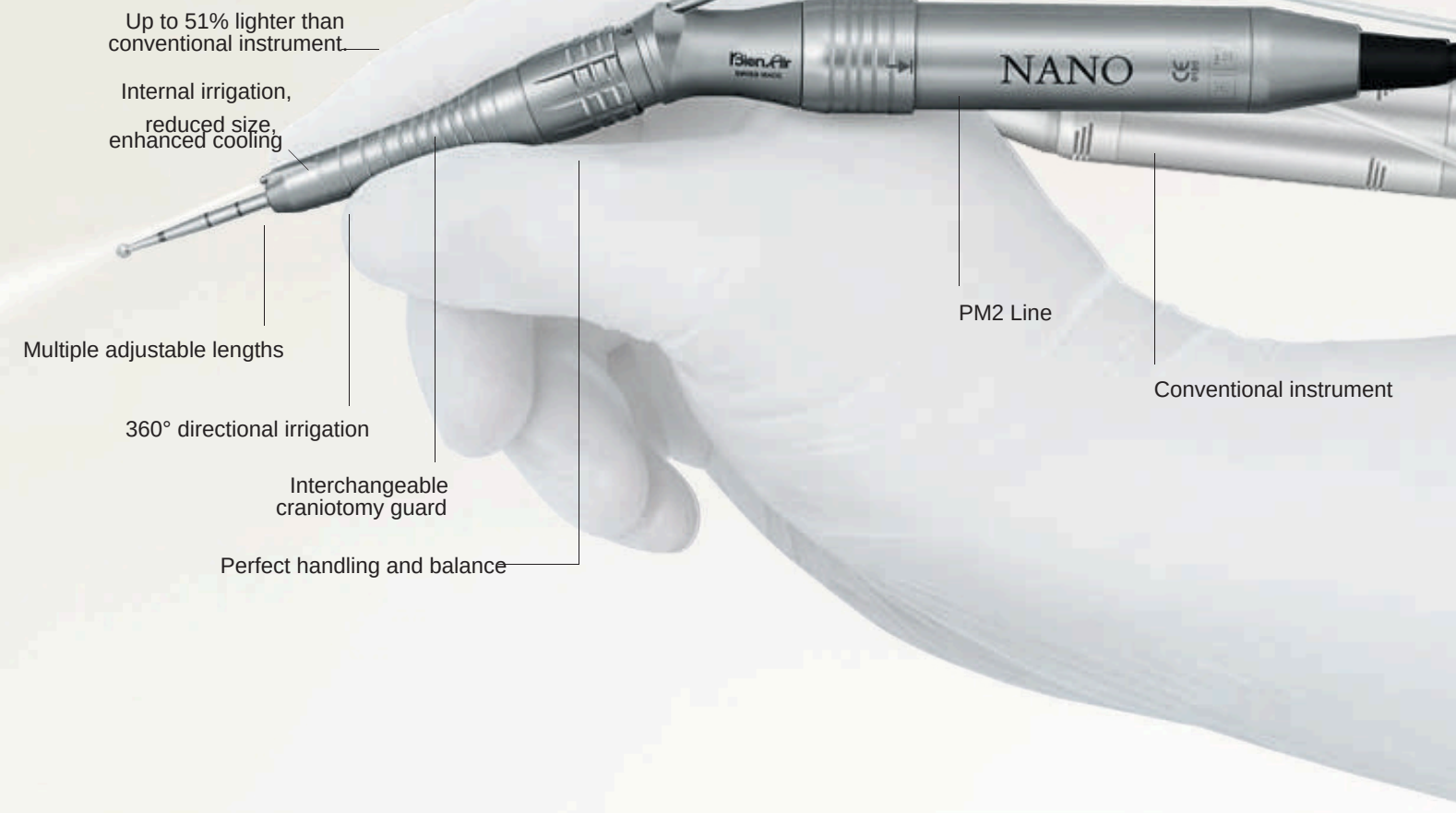
### INTERCHANGEABLE GUARDS FOR CRANIOTOMY

The PM2-S70HD heavy-duty straight hand-piece 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



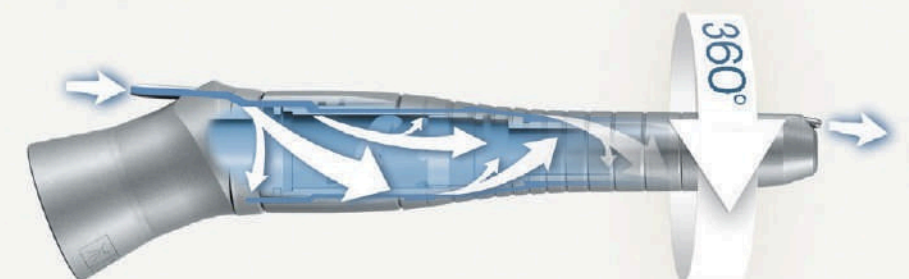
## PM2 HANDPIECES REDEFINING ERGONOMICS

### INTERNAL IRRIGATION

Handling your instrument requires less effort. 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.

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.

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



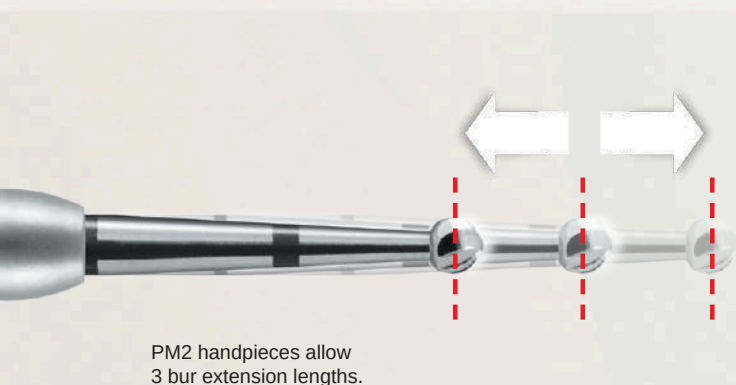
The internal irrigation system cools the handpiece while ensuring perfect handling and visibility



## 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.

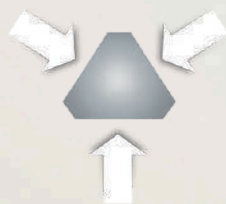
8



PM2 handpieces allow 3 bur extension lengths.

## 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 Guard 10 mm fix 1600912-001  
Cranio Guard 10 mm rotating 1600880-001

Cranio Guard 15 mm fix 1600913-001  
Cranio Guard 15 mm rotating 1600879-001

Cranio Guard 25 mm fix 1600887-001

## CRANIO GUARDS



PM2-S70HD PM2-S70 1600831-001 1600767-001

PM2-S125 PM2-S150 1600977-001 1600978-001

PM2-A70HD PM2-A70 1600830-001 1600765-001

PM2-A95 PM2-A125 PM2-A150 1600768-001 1600769-001 1600766-001

## 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



Lubrifluid 1600064-006



Irrigation lines 1100037-010



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

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

9

# PM2 – 80K\* BURS RANGE

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

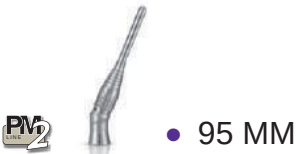


• 70 MM

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		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 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



• 95 MM

STAINLESS STEEL		DIAMOND		COARSE DIAMOND		EXTRA COARSE DIAMOND	
Sterile – 1 pce / 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
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		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
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		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
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