



NEUROSURGERY
PRODUCT CATALOGUE



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



2014

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

1980

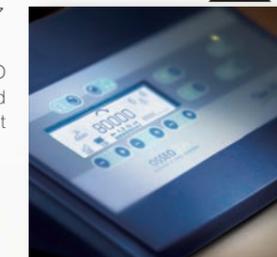


1981

RHEOSTAT
First milling system for ear surgery

2007

OSSEODUO
The high-speed multifunction control unit



1960

1970



1959

The Bien-Air adventure begins in Neuchâtel

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.

OSSEODUO HIGH-LEVEL CONTROL



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

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 ultracompact 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.

REFERENCES

OSSEODUO* + RAPIDO micromotor:	REF 1700523-001
OSSEODUO* + NANO micromotor:	REF 1700524-001
PM PERFO handpiece with cable:	REF 1700500-001
RAPIDO micromotor with cable:	REF 1700503-001
RAPIDO micromotor without cable:	REF 1600895-001
NANO micromotor with cable:	REF 1700501-001

*Each OSSEODUO 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
1 set of 10 irrigation clips:	REF 1302844-010

Simple and versatile

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



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 ensures perfect control of the RAPIDO and NANO range of micromotors, as well as the PM PERFO perforator.

The OSSEODUO was designed for shaping bones during surgical procedures, particularly in the following fields:

- Neurosurgery
- Craniotomy
- Spinal surgery
- Otoneurologic surgery
- Plastic surgery
- Ear, nose and throat surgery

The OSSEODUO paves the way for a high level of performance. It is also fully compatible with the ultracompact PM2 range of micromotors and handpieces.

The OSSEODUO is set apart by its simplicity as well as its intuitive programming, which may be personalised if desired.

You will also love its convenient size and versatility. The OSSEODUO pedal controls the micromotor's speed and rotation direction and activates irrigation.

PM PERFO POWERFUL AND ERGONOMIC

The PM PERFO handpiece is an impressively efficient instrument. Its phenomenal torque means it can master even the hardest and thickest flaps. But great power is nothing without perfect control. The handling and ergonomics of the PM PERFO will win you over in an instant.



GUARDS FOR CRANIOTOMY WITH INTERNAL IRRIGATION



INTERCHANGEABLE GUARDS FOR CRANIOTOMY

The new 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.

The micromotor/handpiece/craniotomy assembly is securely locked, with no potential for play or vibrations. This ensures greater precision and unrivalled ease of use.

With Bien-Air guards, there is no need for manual external irrigation. One less thing to worry about! 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.

REFERENCES

10 mm rotary guard:	REF 1600880-001
10 mm fixed guard:	REF 1600912-001
15 mm rotary guard:	REF 1600879-001
15 mm fixed guard:	REF 1600913-001
25 mm fixed guard:	REF 1600887-001

The irrigation nozzles direct the jets precisely onto the tool



PM2 HANDPIECES AHEAD OF THE FIELD



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.

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.

ADJUSTABLE BUR



REFERENCES



PM2-S70 1600767-001
 PM2-S70HD 1600831-001
 PM2-S125 1600977-001
 PM2-S150 1600978-001
 PM2-A70 1600765-001
 PM2-A70HD 1600830-001
 PM2-A95 1600768-001
 PM2-A125 1600769-001
 PM2-A150 1600766-001

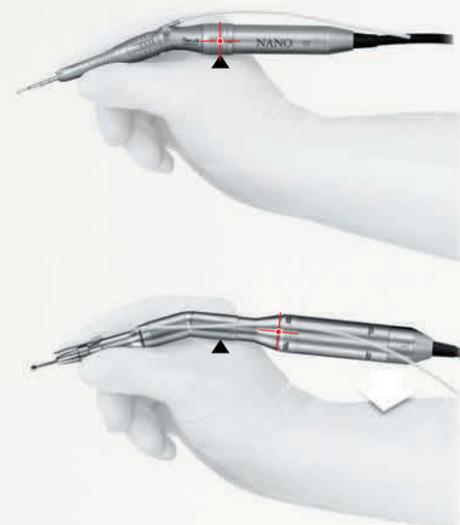
PM2 HANDPIECES: REINVENTING THE INSTRUMENT



PM2
LINE

QUITE SIMPLY THE BEST HANDPIECES

Instruments to match your expertise!
The new generation of Bien-Air PM2 handpieces gives you the perfect combination of revolutionary design and state-of-the-art technology. For your comfort and that of your patients.



New PM2 line

Conventional instrument

Up to 51% lighter

Internal irrigation,
reduced size,
enhanced cooling

Multiple adjustable lengths

360° directional irrigation

Interchangeable
craniotomy guard

Perfect handling and balance

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 procedure.

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 and RAPIDO 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 interchangeable craniotomy guards can be adapted to the PM2-S70HD heavy-duty straight handpiece in an instant.

The 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.



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

PM2 - 80K* BURS

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



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



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



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



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

MATCHSTICK	
Sterile - 1 pce / box	
ø mm	Single use
1.8	1100481-001
3.0	1100482-001

ACCESSORIES

CLEANING

- Aquacare - 6 pces / box
REF 1600617-006
- Lubrifiuid - 6 pces / box
REF 1600064-006

STERILISATION TRAYS

- Sterilisation tray for PM2 instruments
400 x 65 x 250 mm (LxHxW)
REF 1600949-001
- Sterilisable bur supports
for 16 pieces
REF 1600306-001

IRRIGATION ACCESSORIES

- Irrigation lines - 10 pces / box
REF 1100037-010
- Clips for irrigation lines,
NANO, RAPIDO - 10 pces / box
REF 1302844-010



S **R** Bien-Air Surgery SA
Rue de l'Ouest 2b
CH-2340 Le Noirmont
Switzerland
Tel. +41(0)32 344 64 40
Fax +41(0)32 344 64 45
surgery@bienair.com

R Bien-Air
Deutschland GmbH
Surgery
Jechtinger Strasse 11
79111 Freiburg, Deutschland
Tel. +49 (0)761 45 57 40
Fax +49 (0)761 47 47 28
ba-d@bienair.com

S **R** Bien-Air España S.A.U.
Surgery
Entença, 169 Bajos
08029 Barcelona, España
Tel. (+34) 934 25 30 40
Fax (+34) 934 23 98 60
ba-e@bienair.com

S **R** Bien-Air USA, Inc.
Medical Technologies
5 Corporate Park
Suite 160
Irvine, CA 92606, USA
Phone 1-800-433-BIEN
Phone 949-477-6050
Fax 949-477-6051
ba-usa@bienair.com

S **R** Bien-Air France Sarl
Surgery
19-21, Rue du 8 mai 1945
94113 Arceuil, France
Tel. +33 (0)1 49 08 02 60
Fax +33 (0)1 46 64 86 58
ba-f@bienair.com

R Bien-Air Italia s.r.l.
Surgery
Via Vaina 3
20122 Milano, Italia
Tel.+39 (02) 58 32 12 51/52/54
Fax+39 (02) 58 32 12 53
ba-i@bienair.com

R Bien-Air UK Ltd
Arundel House / Unit 1 - Ground Floor
Amberley Court / Whitworth Road
Crawley, West Sussex
RH11 7XL, England
Tel.+44 (0)1293 550200
Fax+44 (0)1293 520481
ba-uk@bienair.com

R Bien-Air Asia Ltd.
Surgery
Nishi-Ikebukuro
Daiichi-Seimei Bldg. 10F
2-40-12 Ikebukuro, Toshimaku
Tokyo, 171-0014, Japan
ビエン・エア・アジア株式会社
〒171-0014
東京都豊島区池袋2-40-12
西池袋第一生命ビルディング10F
Tel.+81 (3) 5954-7661
Fax+81 (3) 5954-7660
ba-asia@bienair.com

S = Sales
R = Repair

Bien-Air on the internet: www.bienairsurgery.com