

Bien-Air Dental SA  
Länggasse 60  
Case postale  
2500 Bienne 6, Switzerland  
Tel. +41 (0)32 344 64 64  
Fax +41 (0)32 344 64 91  
dental@bienair.com

Bien-Air France Sàrl  
19-21, rue du 8 Mai 1945  
94110 Arcueil  
France  
Tel. +33 (0)1 49 08 02 60  
Fax +33 (0)1 46 64 86 68  
ba-f@bienair.com

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

Bien-Air USA, Inc.  
Medical Technologies  
8861 Research Drive  
Irvine, CA 92618, USA  
Phone 1-800-433-BIEN  
Phone 949-477-6050  
Fax 949-477-6051  
ba-usa@bienair.com

Bien-Air UK Limited  
Arundel House  
Unit 1 - Ground Floor  
Amberley Court  
Whitworth Road  
Crawley, West Sussex  
RH11 7XL, England  
Tel. +44 (0)1293 550 200  
Fax +44 (0)1293 520 481  
ba-uk@bienair.com

Bien-Air on Internet:  
[www.bienair.com](http://www.bienair.com)  
Bien-Air

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

Bien-Air Italia s.r.l.  
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

Bien-Air Asia Ltd.  
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 (製造販売元)  
〒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

Beijing Bien-Air  
Medical Instrument  
Technology Service Co. Ltd.  
Room 907, The Exchange Beijing,  
No 118 Jian Guo Lu Yi,  
Chao Yang District,  
Beijing 100022, China  
北京彼岸医疗器械  
技术服务有限公司  
北京市朝阳区建国路  
乙118号招商局中心  
京汇大厦907室  
电话+86 10 6567 0651  
传真+86 10 6567 8047  
ba-beijing@bienair.com

[www.club-bienair.com](http://www.club-bienair.com)  
Enjoy a range of benefits



CE  
0123

The descriptions and technical data appearing in this document are given as an indication and are not binding. They may not give rise to any claim. Bien-Air reserves the right to make modifications without prior notice. iPad is a trademark of Apple Inc. registered in the USA and other countries.

REF 2400202 / 130027 / 03.2020



## IMPLANTOLOGY SYSTEMS A TOUCH OF GENIUS

A professional portrait of Prof. Dr. Daniel Buser. He is a middle-aged man with glasses and a goatee, wearing a dark pinstriped suit, a light-colored striped shirt, and a dark patterned tie. He is standing on a balcony or staircase with a metal railing, leaning on it with his right hand. The background consists of large glass windows and a modern building facade.

**Prof. Dr. DANIEL BUSER**  
Director of the Clinic of Oral Surgery and  
Stomatology at the University of Berne's Dental Clinics  
(zmk bern).

# "THE PHYSIODISPENSERS THAT REALLY MEET MY EXPECTATIONS"

PROF. DR. DANIEL BUSER

---

3

Implantology is a demanding discipline, which is why Bien-Air leaves nothing to chance. Created by practitioners for practitioners, our physiodispensers are highly efficient, extremely versatile and designed for a range of clinical applications.

Always at the forefront of innovation, Bien-Air now offers systems to rival all competitors.

Prof. Dr. Daniel Buser is the author and co-author of over 300 publications in national and international journals. He has also written and co-written many works including the GBR book (Guided Bone Regeneration in Implant Dentistry) Editions I (1993) and II (2008). Prof. Buser is president of the Swiss Implant foundation and a member of the Osteology Foundation. He is former president of the International Team for Implantology (ITI), the European Association for Osseointegration (EAO), the Swiss Society of Oral Surgery (SSIO) and the Swiss Society of Oral Surgery and Stomatology (SSOS). He has been awarded the André Schroeder research prize (1995) and the Brånemark Osseointegration Award (2013), amongst others.

# BIEN-AIR REINVENTS IMPLANTOLOGY FOR GREATER EASE OF USE

---

Our unique, intuitive and comprehensive interfaces guarantee unrivalled performance and ease of use. The high torque of Bien-Air micro-motors makes them extremely easy to work with, at both high and low speeds. Furthermore, our lifetime-lubricated ceramic ball bearings guarantee you exceptional service life and reliability. Our contra-angles feature a unique internal irrigation system which ensures optimal handling. You mentioned user-friendliness?

- Complete operating sequences for the main pre-programmed implant systems
- Customisable programs
- Simple, intuitive control interfaces
- The most reliable and efficient micromotor
- A contra-angle equipped with one of the smallest heads on the market
- LED lighting with constant intensity at all rotation speeds
- Natural light for a realistic view of the dentine, pulp or gingiva
- Ingenious, exclusive peristaltic pump.





5



**USER MIND**

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



**MICRO-SERIES**

More compact and lighter assemblies, for exceptional balance and handling.



**CARE FREE**

Thanks to its lifetime-lubricated ceramic ball bearings, your micromotor requires no lubrication. This makes it quicker to re-use and reduces maintenance costs.



**QUALITY LED**

Bien-Air is setting new standards in the field of LED lighting. Intensity adjustable from 0 to 38,000 lux, perfectly natural light, exceptional sterilisation resistance.



**DUALOOK**

The two glass fibre rods provide the best lighting on the market and are robust enough to withstand all conditions.



**SMART LOGIC**

The most high-precision control ever obtained. Torque, speed and bur position controlled to perfection, even at low speeds.



**DATA CONTROL**

The user can take charge of the technology thanks to unique data management. Preferences, settings and documents can be personalised, saved, printed, exported or sent.



**SWISS MADE**

Exceptional techniques and materials for products which are individually manufactured and tested in the heart of Watch Valley, in Switzerland.

9:43 AM

100%

Bien Air<sup>+</sup>  
Dental



Doctor Howe John

IM

IMPLANTOLOGY

SR

SURGERY



Operations history



Patients



iChiropro



# iCHIROPRO

## A REVOLUTION FROM BIEN-AIR



7

The iChiropro is the implantology and surgery system everyone's talking about. It is no exaggeration to say that this little wonder is a revolutionary product in terms of innovation, performance and ease of use.

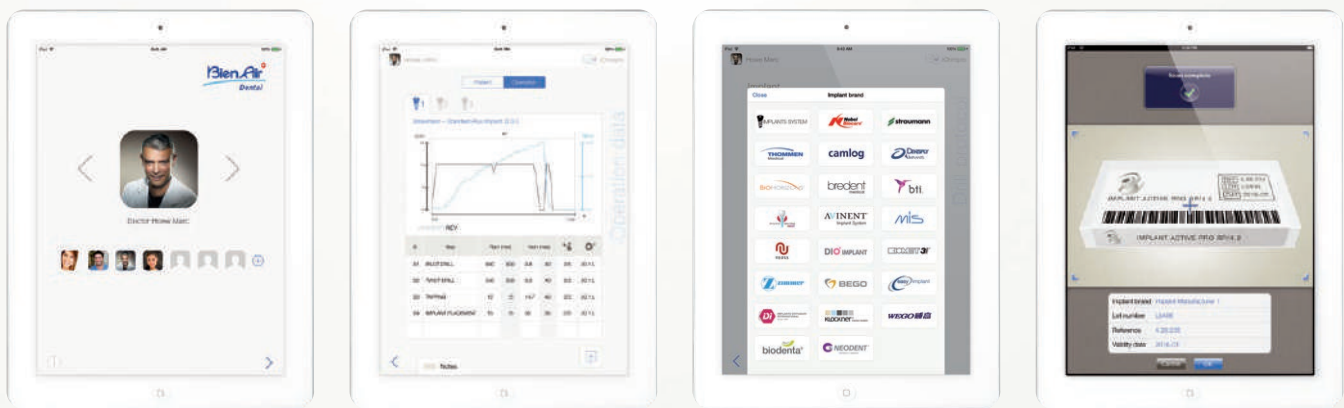
With iChiropro, operations are made significantly easier thanks to an intuitive and ergonomic iPad application.

Available for free download from the Apple App Store, the iChiropro application can be customised as desired. In addition, new innovative functions will regularly be added to further enhance the capability and performance levels of your physiodispenser.

iChiropro, the new device controlled from an iPad and equipped with some of the best performing instruments on the market, paves the way for a new generation of medical equipment. Its innovative solutions make practitioners' lives easier – that's the Bien-Air promise.

Video, photo gallery, contacts, special offers and orders via  
[www.ichiropro.com](http://www.ichiropro.com)





The iChiropro is the only system enabling multi-implant operations. Optimise your operations by treating up to 8 implants simultaneously.

- Multiple users
- Simplified operations
- Multiple implants
- Plan multiple operations
- Pre-programmed operating sequences
- Customised sequences
- Implant barcode reader
- Integrated patient file
- Operation report
- Back-up, export and send data

The iChiropro is programmed for over 20 implant systems, including:  
 Nobel Biocare - Straumann - Thommen Medical - Camlog - Dentsply Implants - Bredent - Euroteknika - Bti - BioHorizons - MIS - Neoss - Dio - Camlog ...

The above implant brands 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



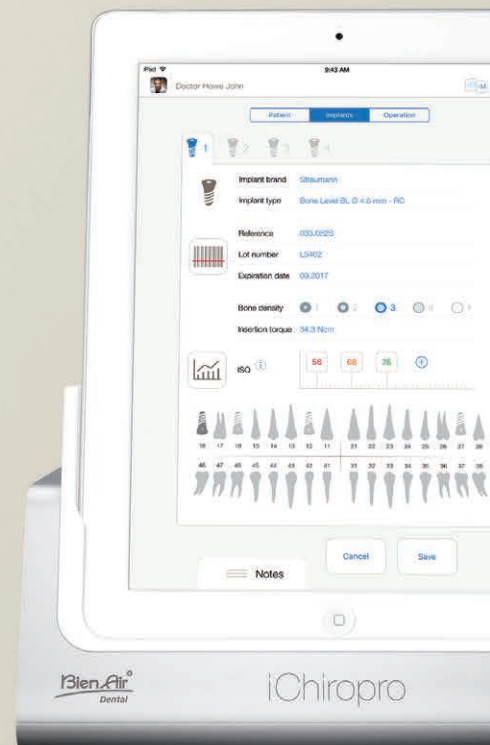
Save a lot of time by combining ease of use and efficiency. The iChiropro integrates full operating sequences from the leading implant manufacturers on the market and enables you to plan and program multi-implant operations in advance of your upcoming appointments. All settings can be customised and saved according to individual user needs, from preparation of the implant site to insertion of the implant.

Thanks to its barcode reader, the iChiropro enables you to instantly identify the implant being used in order to ensure data accuracy and traceability.

An operation report containing graphics and tables can be attached to your patient file. You can consult, save, print, export or send it.

iChiropro – The smart way to your success.

The operational parameters for the iChiropro implantology and surgery system are directly modifiable, to facilitate your operations: speed, torque, direction of rotation, irrigation flow rate, lighting intensity, data saving, etc.





CHIROPRO L

DRILL 4

■ 20:1  
35.2 Ncm

400 RPM



SWISS MADE

REV

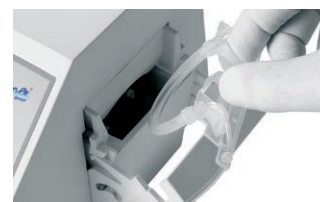
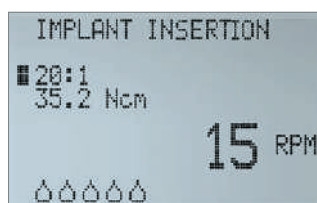
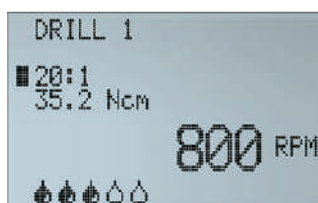
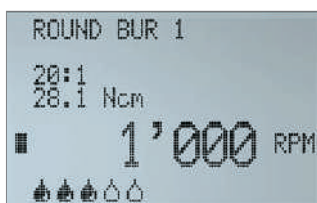
SETUP

SAVE

ESC

2 YEAR  
WARRANTY

# CHIROPRO L AND CHIROPRO EFFICIENCY AND VERSATILITY



11

Chiropro L features 7 of the main implant systems on the market. Their complete pre-programmed clinical sequences are displayed on the screen. Chiropro L can also be customised according to your needs and adapted to each user. Only a few seconds are needed to define, save or modify your program.

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

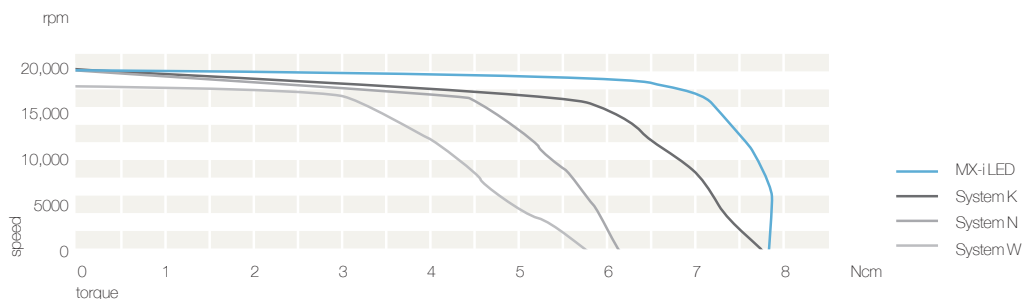
All our physiodispensers are equipped with a highly practical peristaltic pump, designed and patented by Bien-Air. Our irrigation lines incorporate an insertion support ensuring very easy handling and optimal hygiene.

Chiropro L is programmed for the following implant systems:  
Straumann - Nobel Biocare - Zimmer - Dentsply Implants - Biomet 3i - AstraTech  
- Thommen Medical

The above implant brands 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.

# MX-i LED

## THE BEST MICROMOTOR



The MX-i LED micromotor is first and foremost a model of stability. It offers great working ease of use at both high and low speeds. The high torque of the MX-i LED makes it one of the most powerful micromotors on the market. Depending on the torque needed, the power is regulated and stabilised by the electronic system. This allows the speed to be maintained with great precision throughout the operation.

Thanks to its lifetime-lubricated ceramic ball bearings, the MX-i LED is sterilisable and yet maintenance-free. This ensures optimal hygiene and start-up, and also offers exceptional reliability and service life.

Other major advantages: the MX-i LED is one of the lightest micromotors ever designed, and provides LED lighting of the contra-angle with the same luminous intensity at both high and low speeds.



Self-ventilated micromotor



LED lighting



Incomparable lighting quality:  
The MX-i LED micromotor incorporates an LED whose luminous intensity can be adjusted according to your sensitivity (10 setting levels).

The LED diffuses a natural white light similar to daylight, with a service life 10 times greater than that of a traditional light bulb.



MX-i

Bien Air  
SWISS MADE





2 YEAR WARRANTY



# MICRO-SERIES 20:1 L CONTRA-ANGLE ERGONOMICS ABOVE ALL



15

Bien-Air's innovation guarantees you ever greater ease of use. The new Micro-Series 20:1 L contra-angle is the perfect illustration. It incorporates an internal irrigation system - a world first. The irrigation line is attached at the rear end of the contra-angle, thus freeing you of its cumbersome presence in the hand.

The physiological liquid flows vertically through an orifice in the base of the handpiece. It runs along the bur, thus providing optimum irrigation, especially when fitting implants with surgical guides. To ensure maximum hygiene, Bien-Air has developed a cleaning solution specially dedicated to the internal spray of the contra-angle - Aquacare.

With one of the smallest heads on the market, the 20:1 L Micro-Series contra-angle is distinguished from its competitors by easier access to the posterior buccal regions. Equipped with an exclusive dual optical glass rod system, the instrument provides uniform lighting of the working area for perfect visibility.



In addition, the contra-angle is equipped with an extremely durable mechanical drive system that can withstand screwing forces of up to 70 Ncm, whichever type of tool is used.

X-i

# TECHNICAL DATA



## iCHIROPRO

Micromotor voltage	1 quick-connect connection/32 Vdc for MX-i LED micromotor
Insulation class	Class I, according to IEC 60601-1
Protection class	IP40
Dim. (LxDxH)/weight	242 x 244 x 102 mm (H with 482 mm bracket)/2.8 kg
Peristaltic pump	Flow rate 30-150 ml/min
Bracket	Stainless steel, height 440 mm
iChiropro ref.	1600784-001
iChiropro set with Micro-Series CA 20:1 L	1700440-001
iChiropro set without Micro-Series CA 20:1 L	1700439-001



## CHIROPRO L/CHIROPRO

Micromotor voltage	1 quick-connect connection/32 Vdc for MX-i LED and MX-i micromotors
Insulation class	Class I, according to IEC 60601-1
Protection class	IP40
Dim. (LxDxH)/weight	309 x 220 x 123 mm (H with 506 mm bracket)/2.7 kg
Peristaltic pump	Flow rate 30-150 ml/min
Irrigation bracket	Stainless steel, height 440 mm
Chiropro L ref.	1600613-001
Programs	8 pre-programmed 10-step sequences 1 endo sequence, 4 programs for dental surgery.
Chiropro L set with Micro-Series CA 20:1 L	1700307-001
Chiropro L set without CA	1700298-001
Chiropro ref.	1600724-001
Programs	8 pre-programmed sequences (10 steps each)
Chiropro set with CA 20:1	1700388-001
Chiropro set without CA	1700387-001



## MX-i /MX-i/CABLE

Type	Brushless, self-ventilated
Torque	6.8 Ncm
Speed range	100-40,000 rpm
Weight	119 g
Coupling	Compatible with type E coupling as per ISO 3964
Max noise level	55 dBA at 45 cm at 40,000 rpm as per ISO 11498
Cleaning/Sterilisation	Thermal disinfection and sterilisation possible without protection
Ref. MX-i LED micromotor	1600755-001
Light	LED with adjustable intensity, 0-38 klux
Ref. MX-i micromotor	1600825-001
Light	-
Cable ref.	1600606-001



## MICRO-SERIES CA 20:1 L/CA 20:1 L/CA 20:1 MICRO-SERIES CA 20:1 L KM/CA 20:1 L KM

Type	Contra-angle with internal or Kirschner/Meyer irrigation, with light (L) or without light
Transmission ratio	20:1
Speed range	5-2,000 rpm with iChiropro, Chiropro L or Chiropro
Coupling	Compatible with type E coupling as per ISO 3964 (excluding Micro-Series)
Locking mechanism	Push-button bur locking
Bur dimension	ø 2.35 mm / type 1, as per ISO 1797
Cleaning	Thermo Washer Disinfectable
Sterilisation	Steam autoclave up to 135 °C
Micro-Series CA 20:1 L weight	79 g
CA 20:1 L weight	89 g
CA 20:1 weight	89 g
Micro-Series Kirschner/Meyer CA 20:1 L weight	80 g
Kirschner/Meyer CA 20:1 L weight	90 g
Max. torque	70 Ncm
Height of head (incl. 22.5 mm bur)	24.15 mm
Micro-Series CA 20:1 L ref.	1600692-001
CA 20:1 L ref.	1600598-001
CA 20:1 ref.	1600632-001
Micro-Series Kirschner/Meyer CA 20:1 L ref.	1600786-001
Kirschner/Meyer CA 20:1 L ref.	1600785-001



# TECHNICAL DATA



## PM 1:1 EXTERNAL IRRIGATION

Type	Straight handpiece
Transmission ratio	1:1 (direct)
Speed range	100-40,000 rpm*
External irrigation	On detachable sleeve
Detachablesleeves	With or without irrigation tube, supplied with each instrument
Coupling	Type E as per ISO 3964
Locking mechanism	Locking ring
Bur dimension	ø 2.35 mm / type 2, as per ISO 1797
Cleaning	Thermo Washer Disinfectable
Sterilisation	Steam autoclave up to 135 °C
Ref.	1600052-001
Sleeve with irrigation hose	Ref. 1500552-001
Sleeve without irrigation hose	Ref. 1500003-001



## PM 1:2 EXTERNAL IRRIGATION

Type	Straight handpiece
Transmission ratio	1:2
Speed range	200-80,000 rpm*
External irrigation	On detachable sleeve
Detachablesleeves	With irrigation tube, supplied with each instrument and Bur Guard sterile sleeve
Coupling	Type E as per ISO 3964
Locking mechanism	Locking ring
Bur dimension	ø 2.35 mm / type 2, as per ISO 1797
Cleaning	Thermo Washer Disinfectable
Sterilisation	Steam autoclave up to 135 °C
Ref.	1600436-001
Sleeve with irrigation hose	Ref. 1501318-001
Bur guard sterile sleeve	Ref. 1501317-100

\* with iChiropro, Chiropro L and Chiropro

## PROTECTIVE FILM FOR IPAD

Set of 10 sterile single-use protective films

Ref. 1501746-010



## AQUACARE

Aquacare

Cleaning residual physiological liquid

Ref. 1600617-006

## SPRAYNET

Clean with Spraynet®

Universal cleaning product for internal and external application

Ref. 1600036-006

## LUBRIFLUID

Lubricate with Lubrifluid®

Lubricant for handpieces

Ref. 1600064-006



## IRRIGATION LINES

Materials

PVC, silicone

Length

2.3 m

External/internal diameter

ø 2.6 mm/ø 1.4 mm

Medical device

Class I

Sterile, single use

Irrigation lines

Ref. 1500984-010

Kirschner/Meyer irrigation lines

Ref. 1501635-010

Clips

Ref. 1303711-010



## KIRSCHNER/MEYER DETACHABLE IRRIGATION SET

Sterilisation

Steam autoclave up to 135 °C

Kirschner/Meyer detachable irrigation set

Ref. 1501621-010



## 3-BUTTON FOOT PEDAL

Description

3 selector buttons, 1 variable speed drive.  
Compatible with iChiropro, Chiropro L and Chiropro

Functions

Progressive speed, ON/OFF peristaltic pump, program selection, selection of the micromotor's direction of rotation

Protection class

IPX8 as per IEC529

Ref.

1600631-001

