Optima MCX

ENG INSTRUCTIONS FOR USE

other languages available on www.bienair.com/ifu
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# 1 Symbols

## 1.1 Description of symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="CE Marking with number of the notified body." /></td>
<td>CE Marking with number of the notified body.</td>
<td><img src="image2" alt="Alternating current." /></td>
<td>Alternating current.</td>
</tr>
<tr>
<td><img src="image3" alt="Manufacturer." /></td>
<td>Manufacturer.</td>
<td><img src="image4" alt="Electrical safety. Applied part type B." /></td>
<td>Electrical safety. Applied part type B.</td>
</tr>
<tr>
<td><img src="image5" alt="Reference number." /></td>
<td>Reference number.</td>
<td><img src="image6" alt="Main switch - Power OFF." /></td>
<td>Main switch - Power OFF.</td>
</tr>
<tr>
<td><img src="image7" alt="Serial number." /></td>
<td>Serial number.</td>
<td><img src="image8" alt="Main switch - Power ON." /></td>
<td>Main switch - Power ON.</td>
</tr>
<tr>
<td><img src="image9" alt="Rx Only" /></td>
<td>CAUTION! In accordance with federal law (USA), this device is only available for sale upon recommendation by an accredited practitioner.</td>
<td><img src="image10" alt="Move fully to the stop, in the direction indicated." /></td>
<td>Move fully to the stop, in the direction indicated.</td>
</tr>
<tr>
<td><img src="image11" alt="Recyclable electrical and electronic materials." /></td>
<td>Recyclable electrical and electronic materials.</td>
<td><img src="image12" alt="4-hole connection and 4 electric (4VLM)." /></td>
<td>4-hole connection and 4 electric (4VLM).</td>
</tr>
<tr>
<td><img src="image13" alt="Refer to the accompanying documents." /></td>
<td>Refer to the accompanying documents.</td>
<td><img src="image14" alt="4-hole connection (4way)." /></td>
<td>4-hole connection (4way).</td>
</tr>
<tr>
<td><img src="image15" alt="Recyclable materials." /></td>
<td>Recyclable materials.</td>
<td><img src="image16" alt="Forward (ClockWise)." /></td>
<td>Forward (ClockWise).</td>
</tr>
<tr>
<td><img src="image17" alt="CAUTION! Consult accompanying documents. Provides an instruction that should be observed for safety reasons." /></td>
<td>CAUTION! Consult accompanying documents. Provides an instruction that should be observed for safety reasons.</td>
<td><img src="image18" alt="Reverse (CounterClockWise)." /></td>
<td>Reverse (CounterClockWise).</td>
</tr>
<tr>
<td><img src="image19" alt="Interference may occur in the vicinity of equipment marked with this symbol." /></td>
<td>Interference may occur in the vicinity of equipment marked with this symbol.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2 Identification, intended use and notation

2.1 Identification

Electronically controlled unit for dentistry allowing operation of an MCX micromotor with variable speed using the dental unit pedal.

2.2 Intended use

Product intended for professional use only. The system is intended for use in general dentistry and restorative dentistry by dentists and dental professionals in a dental office. The system is designed to control a dental MCX micromotor which can drive a dental handpiece (gear ratio 1:1 or 1:5) fitted with appropriate burs. Any use other than that for which this product is intended is unauthorized and may be dangerous. The medical device meets all the current legal requirements. The intended EM environment (per IEC 60601-1-2 ed. 4.0) is Professional healthcare facility environment.

Note 1

2.3 Notation

- A, B, C, etc.
  Text preceded by a letter indicates a procedure to be carried out step-by-step.
- Indicates a procedure result.

(1), (2), (3), etc.
Text preceded by a number indicates text used in conjunction with an illustration.

NOTES

1 The technical specifications, illustrations and dimensions contained in these instructions are given only as a guide. They may not be the subject of any claim. The manufacturer reserves the right to make technical improvements to its equipment, without amending these instructions. For all additional information, please contact Bien-Air Dental SA at the address indicated on the back cover.
3 Warnings & Precautions of Use

⚠ CAUTION
This unit is not designed for use in an explosive atmosphere (anesthetic gas).

⚠ CAUTION
To prevent any risk of electric shock, this unit must be connected only to a power supply network provided with a protective earth.

⚠ CAUTION
The power plug is the device used for disconnection in case of problems, it must be easily accessible at all times.

⚠ WARNING
Never connect a handpiece on a running micromotor.

⚠ CAUTION
Ensure that the MCX micromotor hose is not bent.

⚠ WARNING
Do not attempt to open the device when it is connected to the electric mains. Risk of electrocution.

⚠ WARNING
Modification of the device is forbidden.
4 Description

4.1 Optima MCX system overview

The Optima MCX connections (cables and hoses) consist of:
• Micromotor MCX hose (A);
• A pneumatic 4-way connection input (B);
• A power supply and plug cord (C).

(1) Power supply cord
(2) Power Supply and plug cord (C)
(3) Optima MCX unit
(4) Micromotor MCX hose output (A)
(5) 4-way connector input, air and water inlet from your pneumatic unit (B)
(6) Power input connector (with lock) (C)
(7) Main power switch

(8) Micromotor MCX connector (A)
(9) Optima MCX status light (green power on)
(10) MCX micromotor*
(11) Handpiece* [not provided in set]
(12) Dental unit with pedal (B) [not provided in set]

*Applied parts (per IEC 60601-1)
4.2 Set supplied

Optima MCX set REF 1700588-001

<table>
<thead>
<tr>
<th>Designation</th>
<th>REF number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optima MCX unit (1x)</td>
<td>1600959-001</td>
</tr>
<tr>
<td>*MCX Micromotor LED (1x)</td>
<td>1600751-001</td>
</tr>
<tr>
<td>*Power supply (1x)</td>
<td>1501938-001</td>
</tr>
<tr>
<td>*3P cable system, Europe, length 2.50 m (1x)</td>
<td>1300066-001</td>
</tr>
<tr>
<td>*3P cable system, US/Asia, length 2.00 m (1x)</td>
<td>1300067-001</td>
</tr>
</tbody>
</table>

* Common to all the sets

Optima MCX Color sets

<table>
<thead>
<tr>
<th>Set</th>
<th>Unit REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1700589-001 (Light Blue)</td>
<td>1600965-001</td>
</tr>
<tr>
<td>1700590-001 (Pastel Orange)</td>
<td>1600966-001</td>
</tr>
<tr>
<td>1700591-001 (Limetree Green)</td>
<td>1600967-001</td>
</tr>
<tr>
<td>1700592-001 (Pink)</td>
<td>1600968-001</td>
</tr>
</tbody>
</table>

4.3 Options

<table>
<thead>
<tr>
<th>Designation</th>
<th>REF number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spraynet, cleaning spray 500 ml, box of 6 cans</td>
<td>1600036-006</td>
</tr>
<tr>
<td>iOptima/Optima support bracket for installation beside the dental unit</td>
<td>1501988-001</td>
</tr>
<tr>
<td>iOptima/Optima support bracket for installation under the dental unit</td>
<td>1502056-001</td>
</tr>
</tbody>
</table>

4.4 Technical data

Dimensions L x W x H
Optima MCX unit........................................125 x 125 x 75 mm
Micromotor MCX hose...................................L 1.66 m
MCX micromotor (including nose)......................Ø 21 x L 64 mm
Power Supply...........................................130 x 75 x 45 mm

Weight
Optima MCX unit ........................................600 g
Power Supply ...........................................650 g
MCX micromotor .........................................76 g

Electrical and pressure data
Voltage.........................................................100-240 VAC
Frequency ...................................................47-63 Hz
Max. current consumption (depending on input voltage)............1.06 - 0.45 A
Max. input pneumatic pressure ...........5 bar / 43.5 psi
Min. input pneumatic pressure ...........3 bar / 40.6 psi
Typical air spray flow rate:......................6 Nl/min at 2.5 bar
Typical water spray flow rate:..............150 ml/min at 2.5 bar

⚠ CAUTION
If the input pneumatic pressure is below the minimum threshold indicated above, the motor could not reach the setpoint speed.

Environmental conditions

<table>
<thead>
<tr>
<th>Environmental conditions</th>
<th>Operating</th>
<th>Transport and storage (max. 15 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>+10°C (50°F) to +35°C (95°F)</td>
<td>-25°C (-13°F) to +70°C (158°F)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>30% to 80%</td>
<td>10% to 100%</td>
</tr>
<tr>
<td>Atmospheric pressure</td>
<td>700 hPa to 1060 hPa</td>
<td>500 hPa to 1060 hPa</td>
</tr>
<tr>
<td>Altitude</td>
<td>0 to 3'000 m (0 to 9'842 ft)</td>
<td>-</td>
</tr>
</tbody>
</table>
⚠ CAUTION
Do not use Optima MCX outside the range of operating temperature.

Classification
Class IIa in accordance with European Directive 93/42/EEC concerning medical devices.

Electric insulation class
Class I per IEC 60601-1 (apparatus protected against electric shocks).

Degree of protection
IP 40 (protection against insertion of objects larger than 1 mm)

List of errors & Troubleshooting
See chapter “7 List of errors & Troubleshooting” on page 13.

Important: Consult the Instructions for Use of the following devices:
Micromotor MCX LED..............................See doc. REF 2100231

4.5 Environmental protection and information for disposal

⚠ CAUTION
The disposal and/or recycling of materials must be performed in accordance with the legislation in force.

This unit and its accessories must be recycled. Electrical and electronic equipment may contain dangerous substances which constitute health and environmental hazards. The user must return the unit to its dealer or establish direct contact with an approved body for treatment and recovery of this type of equipment (European Directive 2002/96/EC).

4.6 Electromagnetic compatibility (technical description)

Precautions regarding Electromagnetic Compatibility (EMC)
Electro-medical equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this document.

⚠ CAUTION
Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

⚠ CAUTION
Dental professionals need to be aware of potential electromagnetic interference between electronic dental devices and active implantable medical devices, and should always inquire about any devices implanted in the patient.

⚠ CAUTION
Optima MCX complies with the EMC requirements according to IEC 60601-1-2. Radio transmitting equipment, cellular phones, etc. should not be used in the immediate vicinity of the device, since this could affect its operation. The device is not suitable for being used close to high-frequency surgical equipment, magnetic resonance imaging (MRI) and other similar devices where the intensity of electromagnetic disturbances is high. In any case, ensure that no high frequency cables are routed above or near the device. If in doubt, please contact a qualified technician or Bien-Air Dental SA.
Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the device, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

⚠ CAUTION
The use of accessories, transducers and cables other than those specified, with the exception of transducers and cables sold by Bien-Air Dental SA as replacements parts for internal components, may result in increased emissions or decreased immunity of Optima MCX.
Guidance and manufacturer's declaration - electromagnetic emissions

Optima MCX is intended for use in the electromagnetic environment specified below. The customer or the user of Optima MCX should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Emissions test</th>
<th>Compliance</th>
<th>Electromagnetic environment - guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emissions</td>
<td>Group 1</td>
<td>Optima MCX uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.</td>
</tr>
<tr>
<td>CISPR 11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harmonic emissions</td>
<td>Class A</td>
<td>Optima MCX is suitable for use in all establishments including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.</td>
</tr>
<tr>
<td>IEC 61000-3-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage fluctuations/flicker emissions</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>IEC 61000-3-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Immunity test</th>
<th>IEC 60601 test level</th>
<th>Compliance level</th>
<th>Electromagnetic environment - guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic discharge (ESD)</td>
<td>±8 kV contact ±2 kV air ±4 kV air ±8 kV air ±15 kV air</td>
<td>±8 kV contact ±2 kV air ±4 kV air ±8 kV air ±15 kV air</td>
<td>Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.</td>
</tr>
<tr>
<td>IEC 61000-4-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical fast transient burst</td>
<td>±2 kV for power supply lines ±1 kV for other lines</td>
<td>±2 kV for power supply lines N.A.</td>
<td>Mains power quality should be that of a commercial or hospital environment.</td>
</tr>
<tr>
<td>IEC 61000-4-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surge</td>
<td>±0.5 kV line to line ±1 kV line to line ±0.5 kV line to earth ±1 kV line to earth ±2 kV line to earth</td>
<td>±0.5 kV line to line ±1 kV line to line ±0.5 kV line to earth ±1 kV line to earth ±2 kV line to earth</td>
<td>Mains power quality should be that of a commercial or hospital environment.</td>
</tr>
<tr>
<td>IEC 61000-4-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage dips, short interruptions and voltage variations on power supply input lines</td>
<td>0% $U_T$ for 0.5 cycle, at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% $U_T$ for 1 cycle and 70% $U_T$ for 25/30 cycles at 0° 0% $U_T$ for 250 cycle, at 0°</td>
<td>0% $U_T$ for 0.5 cycle, at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% $U_T$ for 1 cycle and 70% $U_T$ for 25/30 cycles at 0° 0% $U_T$ for 250 cycle, at 0°</td>
<td>Mains power quality should be that of a commercial or hospital environment. If the user of the Optima MCX requires continued operation during mains power interruptions, it is recommended that the Optima MCX be powered from an uninterruptible power supply or a battery.</td>
</tr>
</tbody>
</table>
### Immunity Test

<table>
<thead>
<tr>
<th>Test Description</th>
<th>IEC 60601 Test Level</th>
<th>Compliance Level</th>
<th>Electromagnetic Environment - Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic field due to mains frequency (50/60 Hz)</td>
<td>30 A/m</td>
<td>30 A/m</td>
<td>Magnetic fields generated by the mains frequency should be at levels characteristic of a typical location in a typical commercial or hospital environment.</td>
</tr>
<tr>
<td>Conducted disturbances induced by RF fields</td>
<td>3 VRMS 0.15 MHz – 80 MHz</td>
<td>3 VRMS 0.15 MHz – 80 MHz</td>
<td>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey(^a) should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol:</td>
</tr>
<tr>
<td>Radiated RF EM fields</td>
<td>3 V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz</td>
<td>3 V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz</td>
<td></td>
</tr>
<tr>
<td>Proximity fields from RF wireless communications equipment</td>
<td>Test freq. [MHz] 385 1.8 27</td>
<td>28</td>
<td>Distance: 0.3 m</td>
</tr>
<tr>
<td></td>
<td>450 2 28</td>
<td>710, 745, 780 0.2 9</td>
<td>810, 870, 930 2 28</td>
</tr>
<tr>
<td></td>
<td>810, 870, 930 2 28</td>
<td>1720, 1845, 1970 2 28</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2450 2 28</td>
<td>5240, 5500, 5785 0.2 9</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** \(U_T\) is the AC mains voltage prior to application of the test level.

Essential performance per IEC 60601-1: The essential performance is to maintain the visual luminous intensity of the LED and the motor speed. The maximum speed deviation is ±5%.

---

\(a\) Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and mobile field radios, amateur radios, AM and FM radio broadcasts and TV broadcasts cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Optima MCX is used exceeds the RF compliance level mentioned above, the Optima MCX should be observed to verify that it is operating normally. If abnormal operation is observed, additional measures may be necessary, such as reorienting or relocating the Optima MCX.

---

**Note 1 - 2**

1. At 80 MHz and 800 MHz, the higher frequency range applies.

2. These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.
5 Installation

5.1 Install the Optima MCX system

⚠ CAUTION
Before installing, please read carefully this product instruction.

Note 1

FIG. 1
A. Place the Optima MCX on a flat surface capable of bearing its weight.

⚠ CAUTION
It may be positioned on a table, on a trolley or any another surface but in no circumstances on the floor. It is not designed to be placed on wet surfaces or to come in contact with liquids.

FIG. 2
B. Connect the power cord (2) to the power supply (1) and plug to the mains.

Note 2

⚠ CAUTION
The power plug is the device used for disconnection in case of problems, it must be easily accessible at all times.

FIG. 3
C. Connect the power supply cable (1) to the input connector (2) and turn right to lock.

⚠ CAUTION
Ensure that the power switch (3) is off «O».

FIG. 4
D. Connect the MCX cable (2) to the MCX micromotor (1), by guiding the connector and plug with the index pin on the connector and tighten (CW).

⚠ CAUTION
Never connect a handpiece on a running micromotor.
In order to conform to the IEC 60601-1-2 standards, take into account the different routes of the wires through the system (bend, fold, section etc) (see chapter “4.1 Optima MCX system overview” on page 5) and only use the power supply provided with the Optima MCX. In order to maintain warranty, this unit must be installed with the greatest care. Follow all the necessary instructions. Protect the unit from direct sunlight and dust. Keep the original packaging for storage and shipment.

The equipment is powered by your mains power supply (100-240 VAC).

See chapter “6 Operation” on page 12.
6 Operation

6.1 MCX micromotor speed

**FIG. 1**
Set the maximum speed by turning the speed knob (1) CW to increase the speed.

The maximum speed can be set any value between 1000 rpm and 40000 rpm (for the 1:1 gear ratio and between 5000 rpm and 200000 rpm for the 1:5 gear ratio).

The speed knob display corresponds to rotation per minute (RPM) x 1,000.

6.2 MCX micromotor rotation direction

**FIG. 2**
Change rotation direction by pressing the button (1).
- Pressed = Reverse (CounterClockWise - CCW)
- Unpressed (or normal status) = Forward (ClockWise - CW)

⚠️ CAUTION
Always check the instrument rotation direction (CW or CCW) before using it.

6.3 Standard Use

A. Connect a handpiece.
B. Set the maximum speed.
C. Select the rotation direction to Forward or Reverse
D. Press the dental unit pedal to start the MCX micromotor (pedal mode is progressive).

⚠️ CAUTION
If the footpedal is pressed before switching on the unit, the MCX micromotor will not start to run until the footpedal is released and pressed again.

⚠️ CAUTION
Verify that the handpiece gear ratio corresponds to one of those displayed on the speed knob.
## 7 List of errors & Troubleshooting

### 7.1 Device operating error

<table>
<thead>
<tr>
<th>Error</th>
<th>Cause of error</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The motor doesn't start</td>
<td>The pedal is already pressed when starting the device.</td>
<td>Release the footpedal and press again.</td>
</tr>
<tr>
<td></td>
<td>The motor is not connected.</td>
<td>Check motor connection. Contact Bien-Air Dental representatives.</td>
</tr>
<tr>
<td></td>
<td>The motor cable may be defective.</td>
<td>Check motor cable. Contact Bien-Air Dental representatives.</td>
</tr>
<tr>
<td></td>
<td>System electrical fault.</td>
<td>Contact Bien-Air Dental SA.</td>
</tr>
<tr>
<td>The motor stops</td>
<td>The motor is blocked for more than 2 seconds.</td>
<td>Release the footpedal and press again.</td>
</tr>
<tr>
<td></td>
<td>The motor control card limits the power supplied to the motor to prevent motor overheating.</td>
<td>Avoid extended use.</td>
</tr>
<tr>
<td></td>
<td>Overheating of motor control card (electrical control of motor).</td>
<td>Wait until the system cools. Contact Bien-Air Dental SA.</td>
</tr>
<tr>
<td></td>
<td>System electrical fault.</td>
<td>Contact Bien-Air Dental SA.</td>
</tr>
</tbody>
</table>
8 Maintenance

⚠ CAUTION
Only use original Bien-Air Dental maintenance products and parts or those recommended by Bien-Air Dental. Using other products or parts may cause operational failure and/or void the guarantee.

8.1 Servicing

Never disassemble the device. For any modification and repair, we recommend to contact your regular supplier or Bien-Air Dental SA directly at the address indicated on the back cover.

Note 1

8.2 Cleaning-disinfection

- Disinfect the surfaces of the Optima MCX unit and Micromotor MCX hose by gently rubbing with a clean cloth soaked in a suitable product (i.e. Bien-Air Dental Spraynet or isopropyl alcohol for about 15 sec.) or with a disinfecting disposable wipe recommended for dental or surgical instruments.
- Products containing acetone, chlorine and bleaches are not recommended as disinfectants. To keep the surface of the hose in good condition, it is advisable to periodically wipe the complete length of it with a cloth dusted with talcum powder.
- Do not immerse in disinfectant solution.
- Do not immerse in an ultrasonic bath.

8.3 Important

For maintenance see instructions:
- Micromotor MCX LED (REF 2100231)

8.4 Replace 4VL seal

FIG. 1

⚠ CAUTION
Immediately replace any damaged or leaking O-rings and seals. Never use sharp tools!
A. Switch off the water and the dental unit power supply.
B. Switch OFF the Optima MCX unit «O».
C. Unscrew and unplug the 4VL hose (1).
D. Remove the damaged 4VL seal (2).
E. Replace with a new 4VL seal (REF 1302403-010).
ério Refit hose, switch ON units and water.
See chapter “5.1 Install the Optima MCX system” on page 10 for details.
NOTES

1 Bien-Air Dental SA recommends the user to have its dynamic instruments regularly checked or inspected.
9 General information and guarantee

9.1 General information

The device must be used by qualified professionals in compliance with the current legal provisions concerning occupational safety, health and accident prevention measures, and these instructions for use. In accordance with such requirements, the operators:

• must only use devices that are in perfect working order; in the event of irregular functioning, excessive vibration, abnormal heating or other signs that may indicate malfunction of the device, the work must be stopped immediately; in this case, contact a repair center that is approved by Bien-Air Dental SA;

• must ensure that the device is used only for the purpose for which it is intended, must protect themselves, their patients and third parties from any danger, and must avoid contamination through the use of the product.

9.2 Terms of guarantee

Bien-Air Dental SA grants the user a guarantee covering all functional defects, material or production faults.

The device is covered by this guarantee for:

• 12 months for the power supply
• 24 months for the Optima MCX unit
• 36 months for series MCX LED electric micromotors.

from the date of invoicing.

In case of justified claim, Bien-Air Dental SA or its authorized representative will fulfill the company’s obligations under this guarantee by repairing or replacing the product free of charge. Any other claims, of whatever nature, in particular in the form of a claim for damages and interest, are excluded.

Bien-Air Dental SA shall not be held responsible for damage or injury and the consequences thereof, resulting from:

• excessive wear and tear
• improper use
• non-observance of the instructions for installation, operation and maintenance
• unusual chemical, electrical or electrolytic influences
• poor connections, whether of the air, water or electricity supply.

The guarantee shall become null and void if the damage and its consequences are due to improper manipulation of the product, or modifications to the product carried out by persons not authorized by Bien-Air Dental SA.

Claims under the terms of the guarantee will be considered only on presentation, together with the product, of the invoice or the consignment note, on which the date of purchase, the product reference and the serial no. should be clearly indicated.