



Bien Air⁺
Medical Technologies

Electric Solutions

Bien-Air USA
5 Corporate Park
Suite 160
Irvine, CA 92606
Tel – (800) 433-2436 or (949) 477-6050
Fax - (949) 477-6051
www.bienair.com

Level 1

MCX-LED
1700492-001



Speed Control Potentiometer

Level 2

Optima MX2 INT Plus
1700394-001



Level 3

Optima MX2 INT Pro
1700390-001





LEVEL 1

78 grams MCX motor
82 grams Micro-Series handpiece
130 mm total length of both

- High Speed
- Slow Speed
- Caries
- Polishing

MCX-LED

1700492-001

Micro-Series CA 1:5L

1600690-001

1,000 – 40,000 rpm motor speed

2.5 Ncm motor torque

3 year warranty

High speed and slow speed with 1 attachment*

*requires friction grip slowspeed burs. Latch attachment also available.

LED

Sensorless (Long Lasting)

Easily Integrates

Pelton & Crane

Adec

Midmark

Belmont



Speed Control Potentiometer (1,000 – 200,000 rpm *)
*speed range available with two attachments



One Operatory

1 MCX-LED + 1 Micro-Series CA 1:5L

Two Operatory

2 MCX-LED + 4 Micro-Series CA 1:5L



LEVEL 2

90 grams MX2 motor

82 grams Micro-Series handpiece

138 mm total length of both

High Speed

Slow Speed

Caries

Polishing

Optima MX2 INT Plus

1700394-001

Micro-Series CA 1:5L

1600690-001

100 – 40,000 rpm motor speed

3.5 Ncm motor torque

3 year warranty

Adjustable LED

Swivel

Touchpad display with memory presets

High speed and slow speed with 1 attachment*

*requires friction grip slowspeed burs. Latch attachment also available.

Sensorless (Long Lasting)



Easily Integrates

Pelton & Crane

Adec

Midmark

Belmont

One Operatory

1 Optima MX2 INT Plus
+ 1 Micro-Series CA 1:5L

Two Operatory

2 Optima MX2 INT Plus + 4 Micro-Series CA 1:5L
+ 1 Micro-Series CA 1:5L FREE



LEVEL 3

90 grams MX2 motor
82 grams Micro-Series handpiece
138 mm total length of both

- High Speed
- Slow Speed
- Caries
- Polishing
- Endodontics

Optima MX2 INT Pro

1700390-001

Micro-Series CA 1:5L

1600690-001

Micro-Series CA 1:1L

1600691-001

100 – 40,000 rpm motor speed

3.5 Ncm motor torque

Automatic forward and reverse

3 year warranty

Adjustable LED

Swivel

Touchpad display with memory presets

High speed and slow speed with 1 attachment*

*requires friction grip slowspeed burs. Latch attachment also available.

Endo with 1 additional attachment

Sensorless (Long Lasting)



Easily Integrates

Pelton & Crane

Adec

Midmark

Belmont

One Operatory

Optima MX2 INT Pro

+ 1 Micro-Series CA 1:5L

Two Operatory

2 Optima MX2 INT Pro + 2 Micro-Series CA 1:5L

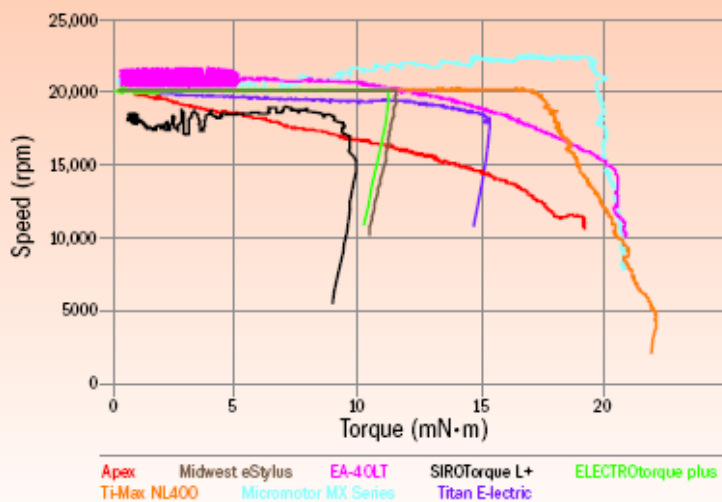
+ 2 Micro-Series CA 1:1L + 1 Micro-Series CA 1:5L FREE

Why Bien Air?

- Quietest operation – as tested by ADA
- Only motor to support a single contra-angle for both High and Low speed functions.
 - World-renowned, Swiss quality-control
 - The World's only anti-heat push button (patented)
- Largest producer of electric motors for dental applications, world-wide
 - Motor designed without position sensors (Long Life)

Most torque – as tested by ADA
Most stable – as tested by ADA

Figure 3. Speed vs. Torque for Electric Handpiece Motors.

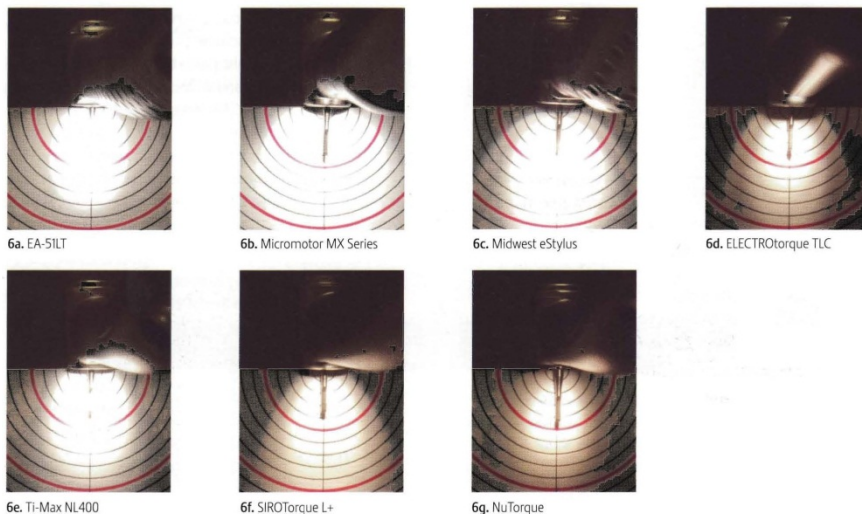


Reader Tip: Depending on how you will use your handpiece clinically, a motor that can generate a higher torque value without losing speed is preferred.

Brightest light – as tested by ADA

Light Profiles

This test demonstrates the light profile that the dentist would see covering the working region for each handpiece. A standard (557) carbide bur was in place and flush against a measurement target when the photos were taken. The images show the light projected onto a target that contains concentric circles spaced at 2mm apart (black lines) and 10mm apart (red lines). All photos were taken at the same exposure and distance from the target.



Most precise – as tested by ADA

Table 4. Speed of Electric Handpieces with Attachments at a Control Box Setting.

Product (Manufacturer)	Mean Speed* rpm	
	1:1 Attachment	1:5 Attachment
Control Box Setting	40,000	40,000†
Apex (Lares Research)	27,000	146,000
EA-40LT (A-dec)	38,000	207,000
ELECTROtorque plus (KaVo)	37,000	195,000
Micromotor MX Series (Bien-Air)	40,000	200,000
Midwest eStylus (DENTSPLY Professional)	38,000	201,000
SIROTorque L+ (Sirona Dental Systems)	36,000	127,000
Ti-Max NL400 (Brasseler USA/NSK)	37,000	191,000
Titan E-lectric (DentalEZ Group/Star)	36,000	188,000

* Mean based on n=9 runs.
 † Expected bur speed would be 200,000 rpm.

