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WORLD CLASS PRODUCT OF KOREA

ËLEC II mini

Electric Motor System for Dental Unit Chair



MicroNX

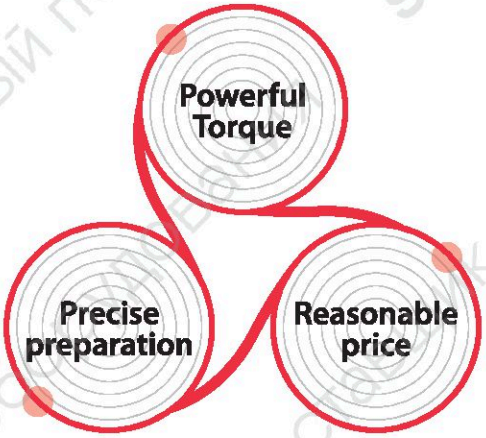
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ËLEC II mini

Mobile type

(Brushless)

ËLEC II mini system reduce stress of dentist and patient from noise by low vibration motor compared to high speed air turbine.





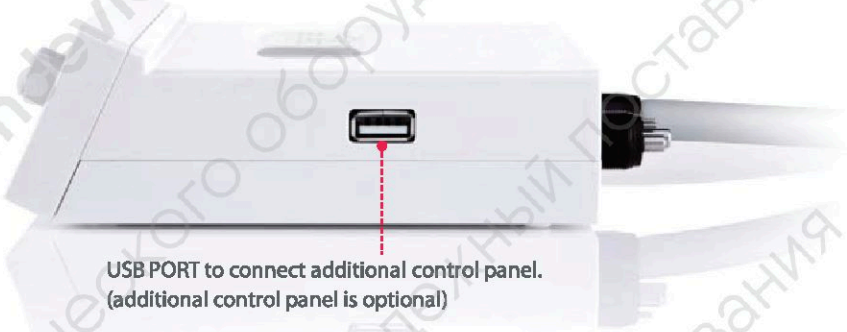
World Patented

Direct Cooling Motor

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ËLEC Excellent for dental prosthetics

Electric motor system for dental unit chair shortens the treatment time of dental prosthetics by electric high torque and precise dental preparation.





Electric motor system for dental unit chair



ËLEC II mini Mobile type specification

Controller

Size	113(W) x 135(D) x 45(H)mm
Pneumatic or Electric pedal is all available by changing control mode.	

Electric micro motor

Item	ELEC-LED	ELEC-I	ELEC-M
Motor	Brushless	Brushless	Brushless
Max. Speed	40,000rpm	40,000rpm	40,000rpm
Max. Torque	3.0 N.cm	3.0 N.cm	3.0 N.cm
Max. Current	5A	5A	5A
Dimension	Φ 20(D) x 72(L) mm		
Weight	68g		
Optic	Yes	No	No
Internal water spray	Yes	No	Yes

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ELEC II mini

Panel type

(Brushless)

Diverse availability

With using different type of handpiece, ELEC is available to reach from minimum 2,000rpm(20:1 decreasing handpiece) to maximum 200,000rpm(1:5 increasing handpiece. From this availability, diverse dental treatments are available with just ELEC system.





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Electric motor system for dental unit chair



ELEC Quick Guide Manual

Dental treatment	Settings control panel gear ratio				Rpm
	1:5	1:1	16:1	20:1	
High strength material like zirconia etc	●				200,000
Removing wisdom tooth by surgical bur	●				200,000
Metal Crown Prep.	●				200,000
Implant Ab. Prep.	●				200,000
Post Prep.	●				200,000
Implant Ab. Cutting	●				100,000 ~ 150,000
Tooth margin	●				50,000 ~ 70,000
Crown margin polishing	●				50,000 ~ 70,000
Zirconia shoulder margin	●				50,000 ~ 70,000
Ceramic inlay margin	●				50,000 ~ 70,000
Apicoectomy tooth root elimination	●				30,000 ~ 40,000
Poolishing after resin		●			2,000
Gate drill bur using for preventing tooth break		●			1,000
Removing cavity near dental pulp				●	100
Removing Cyst in bone				●	100 ~ 1,000
Endo			●		250 ~ 300
Dental lab work		●			~ 40,000

ELEC II mini Panel type specification

Panel

Size	140(W) x 14(D) x 40(H) mm
Speed Control	Dial knob, Pneumatic or Electric pedal
Connection	Micro USB to connect with built in board

Electric micro motor

Item	ELEC-LED	ELEC-I	ELEC-M
Motor	Brushless	Brushless	Brushless
Max. Speed	40,000rpm	40,000rpm	40,000rpm
Max. Torque	3.0 N.cm	3.0 N.cm	3.0 N.cm
Max. Current	5A	5A	5A
Dimension	Φ 20(D) x 72(L) mm		
Weight	68g		
Optic	Yes	No	No
Internal water spray	Yes	No	Yes

Built-in board

Model	ELT B40K
Input Voltage	AC 24V
Hertz	50/60 HZ
Watt	100VA(Max.)
Size	300(W) x 230(D) x 135(H) mm

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ELEC II mini

Built-in type

(Brushless)



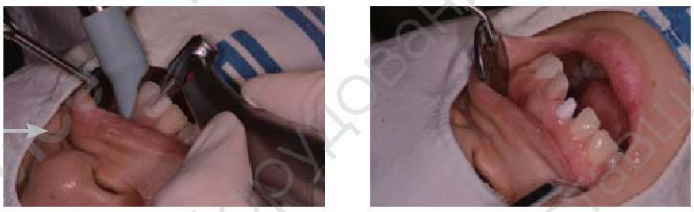
ELEC built-in type is specially for dental unit manufacturer which needs to install it into their own dental unit system. It is available to modify our system to be compatible with diverse dental unit system.



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Clinical photos of dental treatment by ËLEC



Before and After of removing all ceramic crown



Tooth margin at low speed | Finished model | Final prosthetic appliance

Dental lab usage by ËLEC

With using straight handpiece with ËLEC , precise dental lab work like implant stent making is available by higher torque and speed control compared with air driven motor.



ËLEC II mini Built-in specification

Electric micro motor

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Electric Micro Motor

NXHW 100E



Bien Air MC2, MC3 Compatible

NXHW 100E Full package

Electric micro motor

Item	NXHW 100E
Type	Brush, Internal water spray, Non optic
Speed	Up to 40,000rpm
Torque	3.1N.cm
Angle, Handpiece	With all of ISO standard contra angle or handpiece

Control board

pneumatic system

Installation kit

Electric wire
Potentionmeter
Switch
Sticker and fastening clamps

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Electric Micro Motor

NXOP 100E LED



Bien Air MC2, MC3 Compatible

NXOP 100E Full package

Electric micro motor

Item	NXOP 100E
Type	Brush, Internal water spray, optic
Speed	Up to 40,000rpm
Torque	3.1N.cm
Angle, Handpiece	With all of ISO standard contra angle or handpiece

Control board

pneumatic system(optic)

Installation kit

Electric wire
Potentionmeter
Switch
Sticker and fastening clamps

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Instument
Contra angle



CA 120L(Optic)

-internal water spray
-contra angle handpiece 1:1
-body and function parts from stainless steel
-separate internal cooling media
-cellular optic
-sterilisable 135℃



CA 120

-internal water spray
-contra angle handpiece 1:1 compatible
-body and function parts from stainless steel
-separate internal cooling media
-sterilisable 135℃

Straight handpiece



110D

-internal water spray
-straight handpiece 1:1
-body and functional parts from stainless steel
-separate internal cooling media
-low vibration operation
-sterilisable 135℃

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ËLEC

Contra angle series



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