

MGNEWTON

MGNEWTON is a Dental & Medical company that focuses on development of dental medical devices and the medical business.

We will grow into a global company through excellent domestic dental/medical technology with innovative development.



Easy, fast and accurate treatment of prosthetics with impressive power!



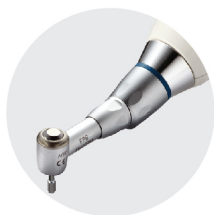
Delicate anesthetic work that you can feel a tip of Needle



3 steps of perfect cleaning and sterilization at Once!



Teeth whitening and skin regeneration effect with tri-colored LED lights!



With accurate TORQue, install and remove prosthesis fast and convenient!

ELEC Master (Dual)[®]

Powerful and constant torque,
compared to existing air
powered method approx.
5 times more POWERFUL!

The strong power makes it easy to remove
prosthetics and prevents prosthetic fracture
accidents through speedy and accurate work.



국제규격

Contra-angle and Straight-handpiece compatible



Electric motor handpiece that is basically installed on the ELEC unit (ELEC Master + ELEC LED) is a European-style electric motor for prosthetics. In addition, when selecting dual optional, high and low speeds can be used separately, making it more convenient and safer to use.

SPECIFICATION

DISPLAY	
Input Voltage	DC 5V
Power Consumption(MAX)	1W
Speed control	Speed control with two buttons, up and down
Forward/reverse rotation	Forward/reverse rotation selectable
Gear Ratio	1:5, 1:1, 16:1 Screen display selectable
Dimension	66(W) x 96(L) x 17.5(H) mm

ELEC Motor	
Torquel	4.0 Ncm
Max. Speed	40,000 rpm
Dimension	Ø 20(D) x 72(L) mm
Weight	68 g
Optic	YES
Warranty	2 year

COMPARE FROM OTHER COMPETITORS

Product	ELEC Master	M.....	O.....	N.....	K.....
Max Speed	40,000rpm	40,000rpm	40,000rpm	40,000rpm	40,000rpm
Max Torque	4.0Ncm	4.0Ncm	3.5Ncm	4.0Ncm	3.5Ncm
Warranty	2 year	2 year	1 year	1 year	1 year
Speed increasing Handpiece	NSK	Sirona	KaVo	NSK	KaVo
(1:5)	Handpiece	Handpiece	Handpiece	Handpiece	Handpiece
Price(VAT excluded)	1,500,000	1,800,000	1,900,000	4,000,000	4,500,000

■ INTENDED USE

1 Remove stiff Prosthesis

When removing such as zirconia prosthesis, you can cut it faster and clean in one go.

In addition, strong prosthetics such as zirconia, amalgam, and PRM can be easily manipulated.

2 Precise and diverse prosthetic margins possible

It can produce high power even at a low speed of 50,000 rpm, allowing the optimal prosthesis to be completed through precise margin molding with a uniform tooth preparation surface.

Shoulder margins and bleeding-free margins are also possible.

3 Even elaborate work is no problem.

By attaching a straight angle to an electric motor, you can control higher power and rotational speed than existing air motors, making it quick and efficient for precise pore work such as implant stent manufacturing.

4 Provide a quiet surgical environment

Compared to existing air motors, electric motors have a low noise level of less than 60dB, providing a comfortable and quiet surgical environment for intensive treatment.



■ FEATURE



Super Strong Power

Provides 3~4 times more power than existing high-speed air turbines.
Reduce chair cycle time



Super Bright LED

Bright LED light is built into each electric motor, making surgery more convenient and safer. (LED is Max 50,000 LUX)



MAX Speed 200,000RPM

When using a 1:5 increase angle, supports speeds of up to 200,000 RPM



High Visibility

Three memory can be stored through the large LCD display. (User settings can be saved/loaded.)



Prevent Cross-contamination

When using dual, use both high and low handpieces to prevent cross-contamination (Dual option)



OEM Available

When applying for OEM, labeling desired by the purchaser can be done within the device. Please contact our sales rep. (Logo etc.)

※ ELEC MASTER DUAL can be selected as an option at purchase

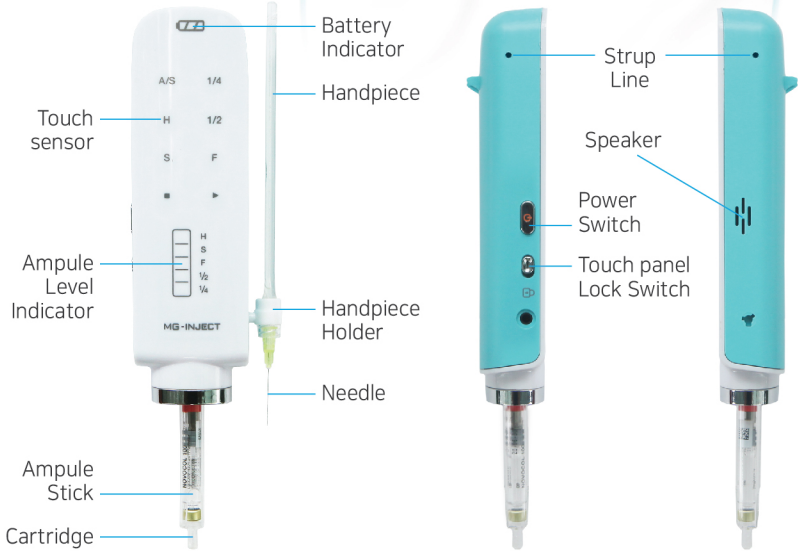
MG-Inject+[®]

Delicate work that you can feel a tip of Needle! Take away patient's pain at once, Latest digital painless anesthesia machine.

What is digital painless anesthesia machine?

The latest anesthesia technique that eliminates disturbing pain during anesthesia by injecting a fixed amount of anesthetic into the affected area at a uniform rate through a digital controlled device.

FEATURE



1. Provides ergonomic, sophisticated design and easy operation method
 - Select by touch injection mode
 - Maximize convenience when using the handpiece by equipping an ultra-small remote control
 - Constant voltage touch sensor and user interface. (Easy to control via LED indicator)
2. USB TYPE-C cable provided for convenient charging
3. Can be used for mass anesthesia and periodontal ligament
4. Equipped with a powerful motor, reducing anesthetic injection time and pain
 - Safe and easy anesthesia by maintaining a constant injection speed
5. Voice comments, automatic injection amount control, automatic speed control, aspiration mode also available

SPECIFICATION

Product Name	Low pain anesthesia injector
Brand Name	MG-Inject
Battery	Lithium Polymer 3.7V / 1,000Ah
Standard	47.96(L) x 28.78(W) x 165.75(H) mm
Weight	160 g
Color	White
Warranty	1 year

MG-Cleaner+[®]

All-In-One Cleaner

Cleaning and sterilizing effects at once
"MG-Cleaner+".

"The 3-in-1 method using powerful ultrasonic waves, low-temp. plasma, and barrel chips can be individually operated/controlled, enabling effective cleaning and complete sterilization."



■ FEATURE

Soaking Jar



Step.2 Remove foreign debris by Barreling

The strong rotational force of the barrel chip does not damage the product, reliably removes remaining contaminants and provides a glossy effect. (Can cause anodized layer removed.)

Washing Jar



Step.3 Low-temperature plasma sterilization

Ion sterilizing water generated through low-temperature plasma sterilizes and cleans products by 99.9% and ensures clean state.

Rinsing Jar



※Timer Function

Simple to use timer

Step.1 High performance Ultrasonic cleaning

40khz ultrasonic waves (BLT-type) and high-performance oscillator macerate contaminants more effectively and remove them primarily.

■ SPECIFICATION

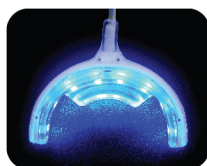
Product Name	Medical cleaner
Brand Name	MG-Cleaner
Input voltage	220 V-, 50/60 Hz, 106 W
Dimensions	260(L) x 260(W) x 247(H) mm
Capacity	250(Soaking) / 280(Cleaning) / 500ml(Rinsing)
Weight	4,700 g
Ultrasonic frequency	40 KHz
Warranty	1 year

1. Complete cleaning and sterilization of used prosthetics and small surgical instruments
2. Perfect cleaning possible with only tap water [No foreign substances detected as a result of EDS]
3. Maximize efficiency with individual operation / control for each function
4. Easy and hygienic after-care with individual containers

MG-Bright[®]

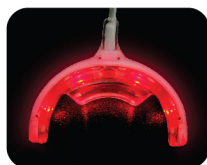
The pinnacle of MG NEWTON's Tech.,
built-in LED intergrated;
Mouth-piece type Teeth Whitening device.

With tri-color LED-integrated mouthpiece adheres directly to the teeth, reducing the ability to scatter, or reflect light, thereby increasing the whitening effect.



Step.1 Blue(UV)

Effective teeth whitening with 475nm wavelength (10 minutes)



Step.2 Red

Blood circulation and skin regeneration with 625nm wavelength (2 min 30 seconds)



Step.3 Green

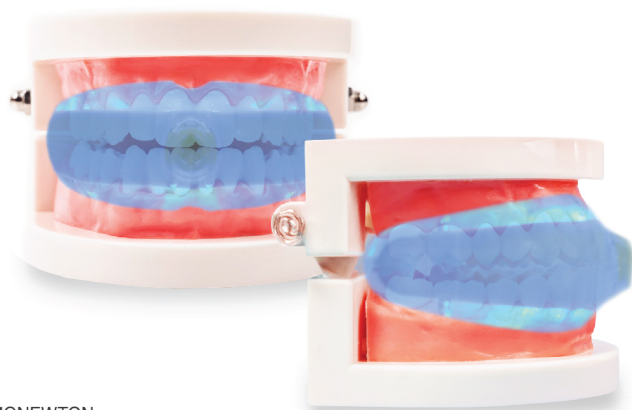
Skin stability and inflammation relief with 520nm wavelength (2 min 30 seconds)

■ FEATURE

1. The tri-color LED light not only has a teeth whitening effect, but also relieves teeth inflammation, blood circulation, even skin regeneration!
2. MG-Bright whitening agent has less fade back compared to high-concentration whitening products, providing awesome beauty.
3. A mouthpiece to fit the ergonomic oral structure, a whitening effect is possible even to the canines and molars inside the teeth.
4. USB TYPE-C cable provided for convenient charging.

■ SPECIFICATION

Rated Voltage	DC 3.7V Internal Power Type
Output Intensity	0.02mW/cm ² ±20%
Output Wavelength	4200.00 ~ 540.00nm±10%
Survey Area	98.00 x 24.00mm±20%
Operating Time	10Min±10%
Battery	3.7V 450mAh Lithium Polymer Battery
Charging Time	About 2 hours
Warranty	1 year



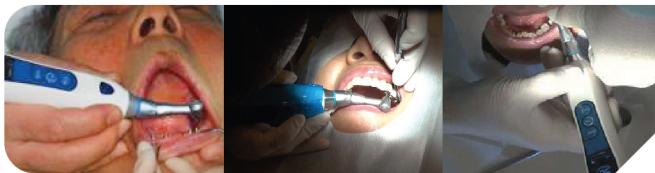
MG-TORQ[®]

Wireless Auto TORQue Driver Accurate TORQue Value, Strong Power!

- Used as additional implant motor in weak bone cases
- Allows rapid removal of many prosthetic appliances
- Easy to use in difficult-to-access molar areas
- Easy install when the implant is biased towards the distal side
- Prevents screw loosening caused by incorrect tightening torque



FEATURE



1. Ensure stability and efficiency by securing a wide field of view.
2. Not only can you perform fast, accurate, and safe surgery, but it is also easy to handle the prosthesis.
3. Two gripping methods make it easy to use even when the width of the posterior teeth is narrow.
4. Attach/remove implant coping, healing abutment, and cover screws more quickly and accurately.
5. Easy to use in areas of lower third molars or distal implants that were difficult to access with existing torque wrenches.

SPECIFICATION

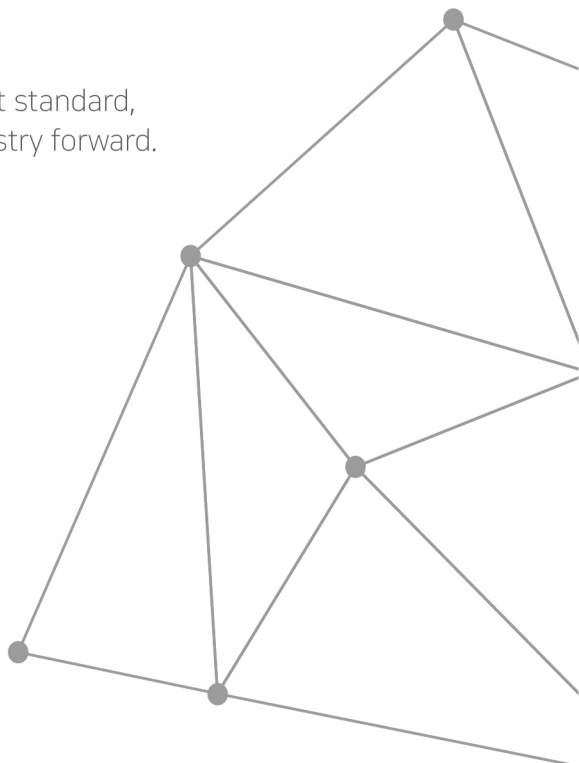
2 Right Angle Driver included. [1 Long Type, 1 Short Type(1.2 Hex)]			MG-TORQ
Right Angle Driver	Slot 0.5	Short	MDR050S
		Long	MDR050L
	Hex 0.9	Ultra-Short	MDR090SS
		Short	MDR090S
	Hex 1.2	Long	MDR090L
		Ultra-Short	MDR120SS
		Short	MDR120S
		Long	MDR120L
	Hex 1.25	Extra-Long	MDR120EL
		Short	MDR125S
	Hex 1.6	Long	MDR125L
		Short	MDR160S
	Hex 3.0	Long	MDR160L
		Ultra-Short	MDI30U

타사 제품 비교

Product	TORQUE	RPM	Feature
MG-TORQ	5~35N (Can be changed by 5N)	15~60 (Can be changed by 15RPM)	Shortened chair time and high cost-effectiveness with high speed
N.....	10~40	25	Expensive, but slow fastening time due to low rpm
M.....	10~30	30	Inexpensive, but poor performance due to low torque value



We're MGNEWTON.
and we're proud to be innovators of the highest standard,
using cutting-edge technologies to lead the industry forward.



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