

ORTHONIA

111-ED-010

www.jeilmed.co.kr

High-performing, battery-powered torque driver used for medical purposes
Prevents screw from fracturing during medical procedures

 Jeil Medical Corporation



AD-C-EN 0902 Rev.00

<i>Model</i>	111-ED-010
<i>Manufacturer</i>	Jeil Medical Corporation
<i>Protection</i>	Type BF, Battery-powered
<i>Rated Voltage</i>	Motor Handpiece: DC 2.4V Charger: AC 100-240V~, 50/60Hz
<i>Power Consumption</i>	Motor Handpiece: 3VA / Charger: 7VA
<i>Charging Time</i>	90minutes
<i>Torque Setting Range</i>	5~30N·cm
<i>RPM Setting(Low/MID/HIGH)</i>	10/15/20 RPM



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LCD and Push Button Interface

ORTHONIA has an LCD and push button interface. It is simple and easy to adjust the torque and RPM settings and monitor the tool while it is being used.

Accurate Torque Limit

ORTHONIA has accurate torque limits to protect the screw from over-torque.

Smooth and Uniform Rotation

ORTHONIA enables stable medical treatment with its smooth and uniform rotation at any of the three speed levels.

Easy Sterilization

ORTHONIA has a simple, detachable shaft holder. It is easy to sterilize. (Sterilization condition: 132°C, 15minutes in autoclave; sterilization repeatable)

Auto Power Off

ORTHONIA automatically shuts off when not in use for a certain period of time.

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Convenient and Easy To Set Up

ORTHONIA has an LCD and push button interface. It is easy and convenient to use the different functions. The interface is very useful in monitoring the current mode settings at a glance during medical treatment.

3 Speed Levels

ORTHONIA has 3 speed levels LOW/MID/HIGH RPM which are 10/15/20 RPM respectively. Please choose the proper speed for your purpose.

Reverse Function

ORTHONIA has a reverse rotation function that is very useful in removing implants.

Wireless and Rechargeable

ORTHONIA is easy to handle. It is wireless and uses a rechargeable battery.

Compatible with existing medical instruments

ORTHONIA is compatible with existing medical instruments. Please choose the proper lengths of the instruments for the user's convenience and safety.

Power Saving Mode

ORTHONIA enters the power saving mode if it remains unused for 1 minute after initial power on or for 10 minutes after last function is used. LCD turns off automatically and this minimizes battery consumption.

Memory Function

ORTHONIA stores the settings (rotation direction, RPM, torque) even after it is turned off unless the battery is taken off. When it is turned on, the last setting values are loaded automatically.

Prevents Over Torque

ORTHONIA has six levels of torque limits at every 5N·cm between 5N·cm and 30N·cm to prevent screws from fracturing. The table below shows the appropriate torque settings to use.



NO	Dual-Top Anchor System	Maximum Torque Value
1	Dual-top Micro Screw (1.4mm)	15 N·cm
2	Dual-top Mid Screw (1.6mm)	20 N·cm
3	Dual-top Mini Screw (2.0mm)	30 N·cm