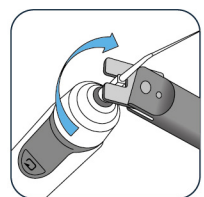
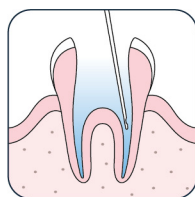


TECHNIQUE GUIDE



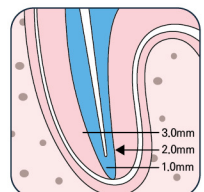
1) Tip Installation & Operation

Insert the wrench into the Tip joint. Turn(clockwise) within the range of the wrench's maximum operating angle (about 25°). Press the operation button on the handpiece for 1 second to power on the device. Press the button again to operate the device.



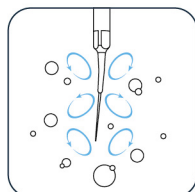
2) Irrigation

Move Ultrasonic Tip up and down 2-3mm vertically, maintaining a distance of 2mm from working length into the root canal filled with cleaning agent / irrigation solution(NaOCl, EDTA, etc.).



3) Dual-Ultrasonic Frequency

Device operates at 30KHz for the first 10 seconds and then automatically converts to 45KHz for 5 seconds.



4) End of Operation

Activate the irrigation solution with the device 2-3 times for optimal result. Suction out any remaining debris from the canals.

* Precautions

- The wrench is designed to move only within a maximum of about 25°. Do not overtighten.
- Avoid using the device in severely curved canals due to the risk of Ultrasonic Tip fracture.
- Avoid hitting the Ultrasonic Tip against the root canal wall.

Package

- ITEM #4009-1001 Dia-Ultrasonic Regular Kit
- Handpiece & Charger
- Accessories : Ultrasonic Tips (2ea/box), Wrench, Adapter & Power Cord

Accessories

- ITEM #4009-1110 Handpiece
- ITEM #4009-1120 Charger
- ITEM #4009-1130 Ultrasonic Tips (2ea/box)
- ITEM #4009-1140 Wrench
- ITEM #4009-1150 Battery
- ITEM #4009-1160 Adapter
- ITEM #4009-1170 Power Cord



DiaDent's Network

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REF

2023/06/21 [REV.01]

DIA ULTRASONIC

DiaDent®

Ultrasonic Endodontic Activator



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www.diadent.co.kr

Ultrasonic Endodontic Activator



FEATURES

Dual-Frequency & Double-Satisfaction

Dual-Ultrasonic frequency (30 KHz and 45 KHz) provides significantly improved debridement of the root canal system and improved penetration of irrigants into dentinal tubules.

Flexible & Strong Tip

The flexible and strong tip can adapt to various canal shapes with low risk of fracture.

Easy-to-use & Compact

Cordless, compact, and ergonomic design allows increased accessibility.

Fast-Charging & Long-Lasting

A fully charged 2,750 mAh rechargeable Li-ion battery can last up to 500 cycles. It only takes 3.5 hours to charge it fully.

DIA ULTRASONIC

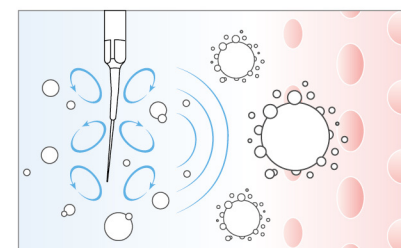
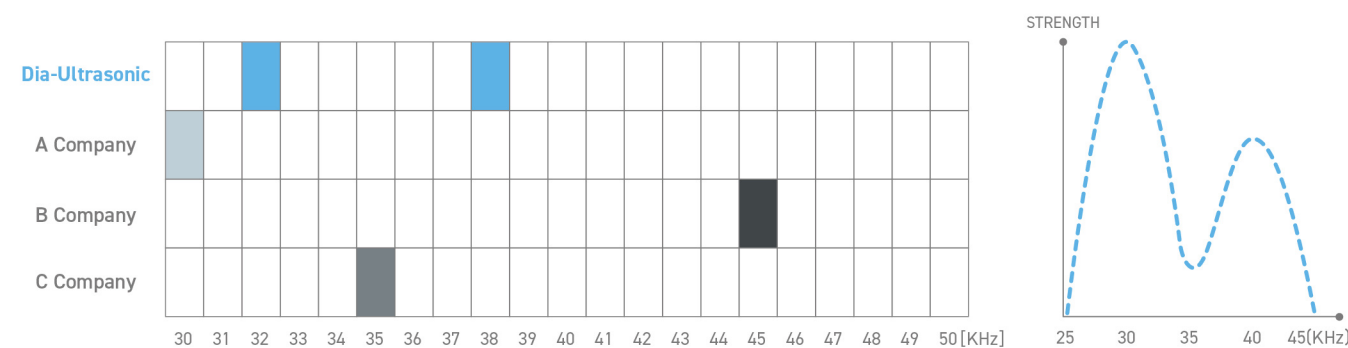
DIA-ULTRASONIC is a compact and easy-to-use cordless ultrasonic activator.

Effective irrigant delivery and agitation are essential for successful endodontic treatment. Dia-Ultrasonic uses two different ultrasonic frequencies to create sufficient acoustical streaming and cavitation that can effectively eliminate vapor lock. The dual-ultrasonic frequency also helps to clean, penetrate, and irrigate the root canals more precisely than single-frequency devices. With its durable, powerful, and flexible Ni-Ti tips, Dia-Ultrasonic can safely and efficiently handle curved and narrow canals. Achieve reliable and effective irrigation and disinfection with Dia-Ultrasonic.

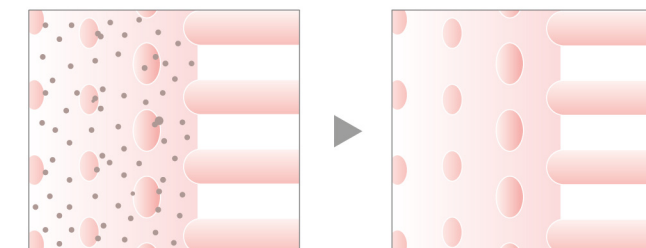
BENEFITS

Dual-Ultrasonic Frequency

- Dia-Ultrasonic is featured with 30KHz band & 45KHz band of dual-ultrasonic frequency.
- Dual frequency effectively prepares root canals and unplugs dentinal tubules.



Low frequency 30KHz is effective in eliminating debris and smear layers



High frequency 40KHz is efficient in flushing out the small particles in the dentinal tubules.

Specialized Ni-Ti Tip

- The specialized Dia-Ultrasonic Nickel-Titanium tip is durable and fracture resistant.
- Small and flexible 31G (0.25mm) (#25/.02) tip can access any difficult-to-navigate root canals.
- Dia-Ultrasonic's NiTi tip is heat-treated and 10 times more durable than other tips.



[Dia-Ultrasonic Tip Strength Test Result]

Protocol: Turning on the device for 15 secs and off for 5 secs in the water

Dia-Ultrasonic Tip	Lasted more than 200 hours
A Company	Broken within 20 hours
B Company	Broken within 2 hours

* The test is performed in the laboratory by the DiaDent R&D Team in 2023