

A background image showing a close-up of a dental procedure. A hand holds a dark, cylindrical device with a thin, curved white tip. The tip is positioned near a patient's mouth, which is slightly open. The background is blurred, showing a clinical setting with windows and dental equipment.

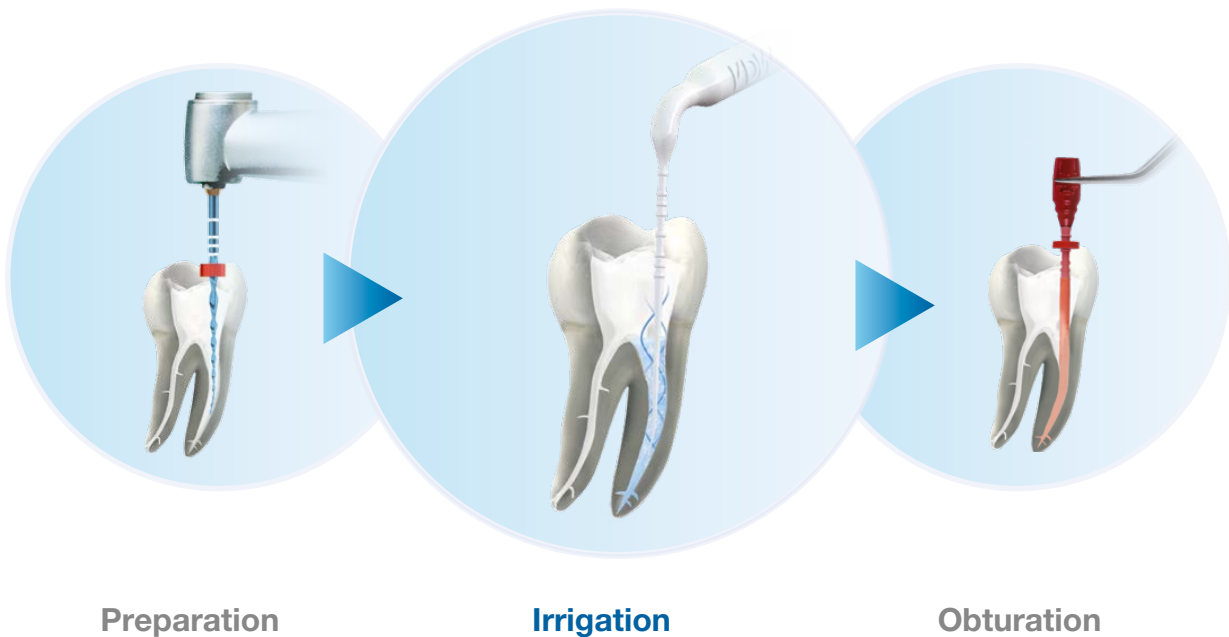
EDDY® Innovative Sonic Powered Irrigation

Three benefits
in one
solution

Sonic activation for more success

Thoroughly irrigating the entire root canal system – including isthmi and lateral canals – is important to endodontic success. Research now shows sonic activation of irrigants brings significant improvement to the endodontic treatment.

- Significantly more debris and smear layer removal than needle irrigation
- Increases effectiveness of disinfecting solutions
- Increases chances of cleaner root canals to support long-term success



Meet EDDY®

the three-dimensional innovation



EDDY® tips are powered at a high frequency of up to 6,000 Hz by airscaler. The vibration produced is transferred to the polyamide tip, which – thanks to the special qualities of the material – is moved in an oscillating motion at high amplitude. This three-dimensional movement triggers cavitation and acoustic streaming attributed with higher cleaning efficiency.

Sonic powered EDDY® tips bring the same effectiveness to activating irrigants as ultrasonics, but due to the soft polymer tips, sets a new standard of combined safety and efficiency. Furthermore, EDDY® demonstrates its versatility by supporting placement and removal of calcium hydroxide as well as placement of sealer.

Research shows: Great performance in difficult root canals

EDDY® performs as well as ultrasonic irrigation in the reduction of the microbial load, both in straight and curved root canals.*

* Source: Antibacterial Efficacy of a New Sonic Irrigation Device for Root Canal Disinfection, Neuhaus, Melanie Liebi, Simone Stauffacher, Sigrun Eick, and Adrian Lussi; Department of Preventive, Restorative and Pediatric Dentistry and Laboratory of Oral Microbiology, Department of Periodontology, School of Dental Medicine, University of Bern, Bern, Switzerland (J Endod 2016: 1-5)

Three benefits for root canal treatments



Safe

EDDY® is made from a safe and flexible polymer material, unlike the stiff metal of irrigation needles and ultrasonic tips. Thus, it can easily go around curves – maintaining the integrity of the root canal anatomy.

- Reliable removal of residual tissue and dentine chips
- Closer approximation to the apex than a metal tip
- Forgiving material with low risk of fracturing the tip or damaging the dentine

Effective

With vibration of 5,000 to 6,000 Hz, EDDY® creates a three-dimensional movement. The polymer material of EDDY® causes a highly effective oscillation in the irrigant that triggers two cleaning effects: cavitation and acoustic streaming.

- Three-dimensional movement for irrigant activation
- Extended reach through oscillation
- Physical effects intensify cleaning performance



Proven

Research* not only shows that sonic action helps to remove debris and reach areas difficult to clean through mechanical preparation. It is also proven that EDDY® tips activated by an airscaler at 6,000 Hz perform equal to or better than passive ultrasonic irrigation.

* Source: Canal cleanliness using different irrigation activation systems: a SEM evaluation. Urban K, Donnermeyer D, Schäfer E, Bürklein S; Department of Operative Dentistry, University of Münster, Münster, Germany; Clin Oral Investig. Feb. 2016.



Research shows: Sonic activation superior to needle irrigation

The sonic activation methods of EDDY® are significantly superior compared with needle irrigation in straight root canals regarding debris and smear layer removal.*

* Source: Canal cleanliness using different irrigation activation systems: a SEM evaluation. Urban K, Donnermeyer D, Schäfer E, Bürklein S; Department of Operative Dentistry, University of Münster, Münster, Germany; Clin Oral Investig, Feb. 2016.

A convincing solution for your practice



“EDDY® irrigates the canal clean and is aggressive on biofilm but gentle on the tooth with no danger of ledges or perforations.”

Dr Winfried Zeppenfeld
Flensburg, Germany



“If you compare the activation of irrigants with EDDY® to other activation techniques, it is evident that EDDY® triggers a cyclone.”

Dr Mauro Amato
Basel, Switzerland



“After just a few seconds of using EDDY®, there is no debris visible on the entire root canal wall and NaOCl seems to work better.”

Dr Vittorio Franco
London, England &
Rome, Italy



Perfect integration into your workflow

EDDY® can easily be integrated into daily practice, as no documentation for the number of usages is needed. The tip is also compatible with a variety of aircalers. A detailed list is available at www.vdw-dental.com/EDDY.

- Sterile packaged single-use tips
- Cost-efficient and time-saving
- Easy implementation with one tip regardless of canal size



Min. preparation size: ISO 25, taper .06



■ EDDY®

- 5 blister packs of 2 EDDY® Irrigation Tips, sterile
- REF _____ V04 1441 000 000**

■ EDDY® 100 Plus Kit

- 60 blister packs of 2 EDDY® Irrigation Tips, sterile
- REF _____ V04 6034 000 000**

■ EDDY® Starter Kit

- 1 W&H Aircaler Handpiece, Type Proxeo ZA-55-LM (Multiflex®) or ZA-55-LS (Sirona®) with light and power setting
 - blister packs of 2 EDDY® Irrigation Tips, sterile
- REF _____ V04 1443 000 000 (Mutliflex®)**
REF _____ V04 1444 000 000 (Sirona®)



For further information please contact your preferred distributor or visit www.vdw-dental.com

VDW GmbH
Bayerwaldstr. 15
81737 Munich
Germany
Tel +49 (0) 89 62734-0
Fax +49 (0) 89 62734-304
info@vdw-dental.com

