



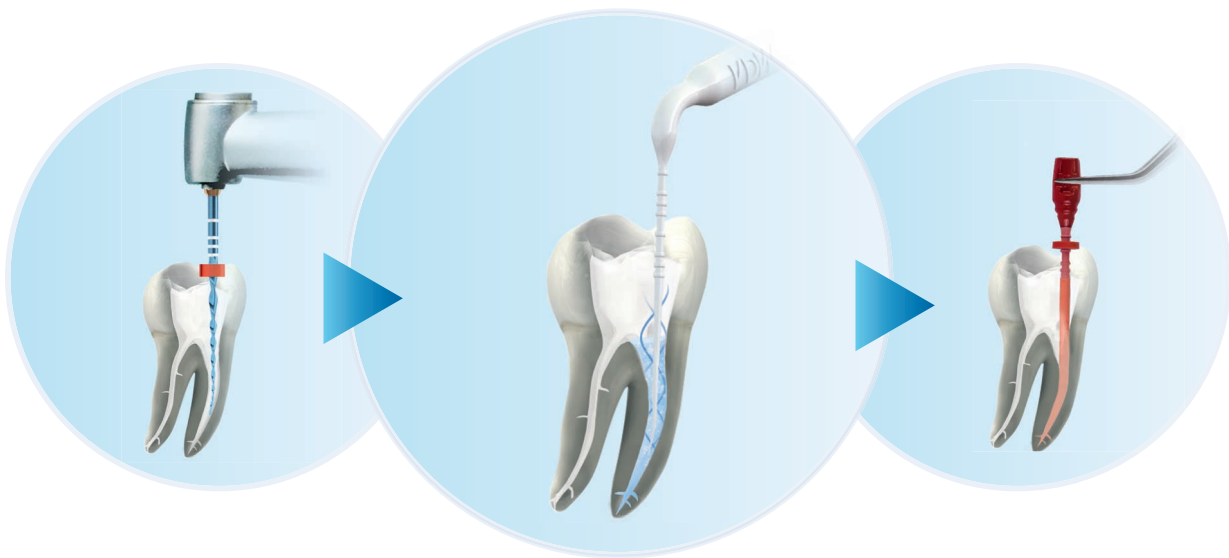
**EDDY<sup>®</sup>**  
**Innovative**  
**Sonic Powered**  
**Irrigation**

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



Preparation

Irrigation

Obturation

# 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](http://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
- 20 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](http://www.vdw-dental.com)

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