

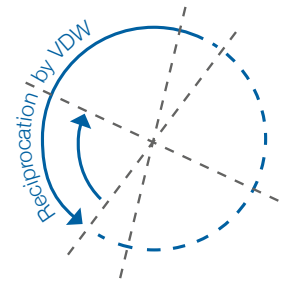
# The RECIPROC<sup>®</sup> story

Inspired to find a simpler and more convenient safe way to successfully prepare a root canal, Prof. Ghassan Yared, at that time Professor of the Endodontic Undergraduate and Graduate Programmes at the University of Toronto, started researching and testing mechanical reciprocation with NiTi instruments. In 2008, he published a clinical article on canal preparation using only one engine-driven NiTi instrument and joined together with VDW to start developing a system specifically to be used in reciprocation. The idea of RECIPROC<sup>®</sup> was born.

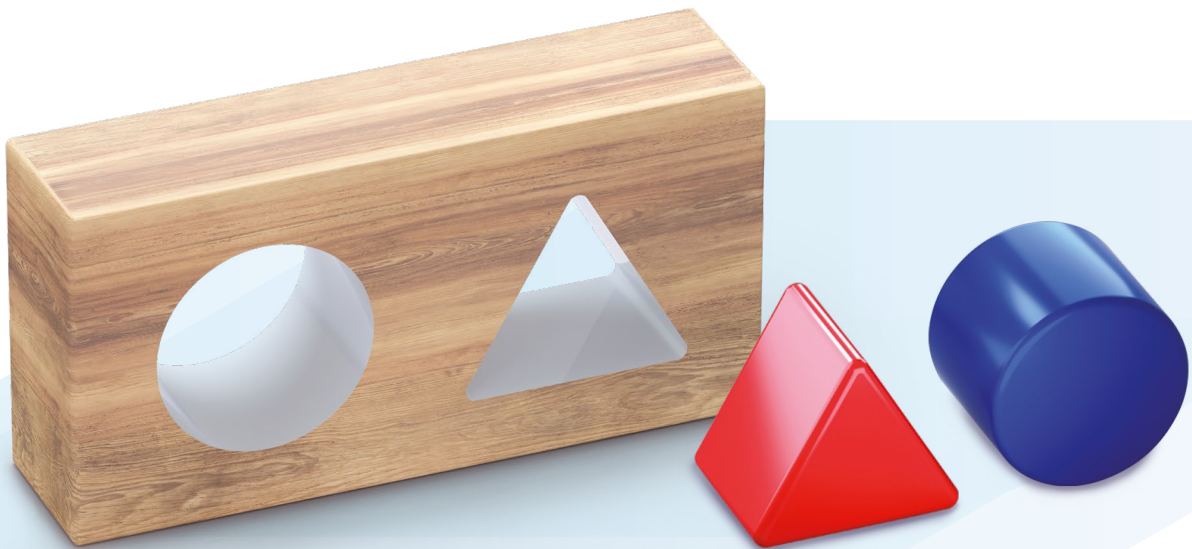
The launch of RECIPROC<sup>®</sup> in 2011 introduced root canal preparation with only one mechanical instrument used in reciprocation, without a glide path. This new concept was a paradigm shift.

## Reciprocation by VDW

The reciprocating instrument alternates between clockwise and counterclockwise rotation. A rotation of 360° is completed in several reciprocating movements. Due to the fact that the rotation in the cutting direction is larger than the reverse rotation, the instrument advances towards the apex.



# The Reciproc family: Take the one that fits best



The universal and flexible instrument for the majority of cases.



The instrument particularly efficient for retreatments.

# Benefits of reciprocation

The Reciproc family (RECIPROC® and RECIPROC® blue) is the biggest achievement in VDW history with over **22 million files sold** until today, making VDW one of the market leaders for reciprocating instruments worldwide. Since launching, more than **400 studies** and **scientific publications** from all over the world have supported the benefits of the Reciproc family.

## Easy

- RECIPROC® and RECIPROC® blue instruments are designed for **one file shaping**. Thus, a root canal can be completely prepared with only one reciprocating instrument – without creating a glide path in the majority of cases.
- Root canal preparation with the Reciproc family is **easy to learn and easy to teach** – with less likelihood of procedural errors\* compared to rotary NiTi systems.
- The **selection of the file** is easy. Choose the member of the Reciproc family that suits your case best.

## Safe

- The original reciprocating motion with its specific angles of rotation as well as its controlled acceleration and deceleration lead to **higher resistance to cyclic fatigue** and **a reduced risk of instrument fracture**.
- Provided in sterile blisters for single use, instruments of the Reciproc family offer a **reduced risk of cross contamination**.
- An **overuse of files is prevented** thanks to the single use instrument approach.

## Efficient

- The **s-shaped cross-section** progresses smoothly and **cuts efficiently** thanks to its special design. The instrument moves without pushing, so that stress on dentin is minimized.
- The root canal **preparation time is reduced**. Less time for shaping means more time for disinfection and more patients treated.
- Files are made to be used for a single treatment only for **constant cutting efficiency**.



Match your case with the right member of the Reciproc family.