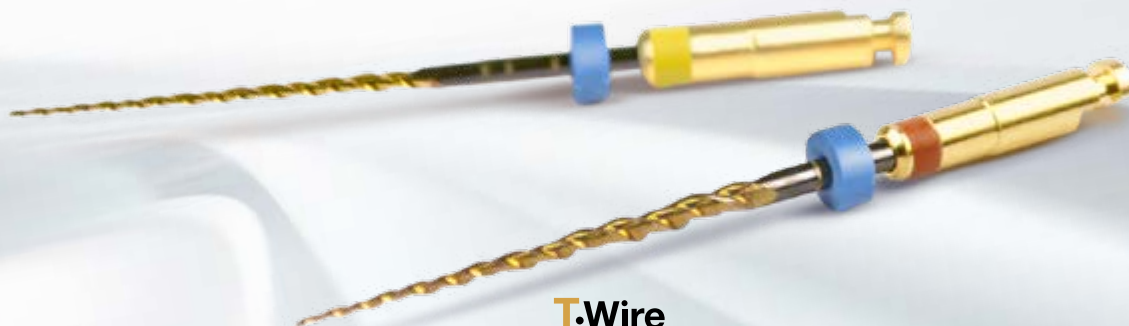


ROOT CANAL SHAPING

MicroMega

2Shape

Two files to shape



T.Wire
technology

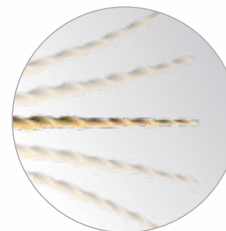
 **COLTENE**

2Shape

Innovation

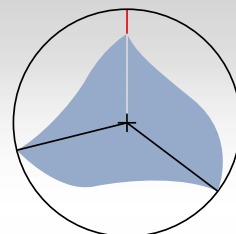
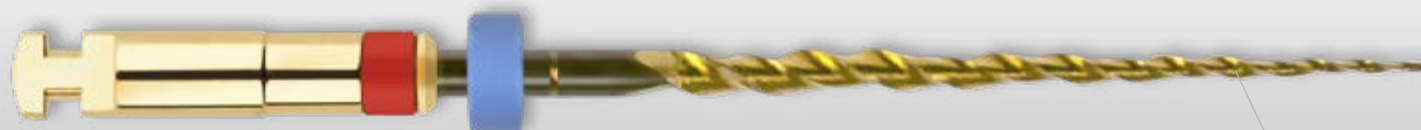
T.Wire
technology

TS1



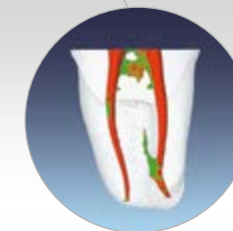
- Better resistance to cyclic fatigue
- More flexibility

TS2



Innovation

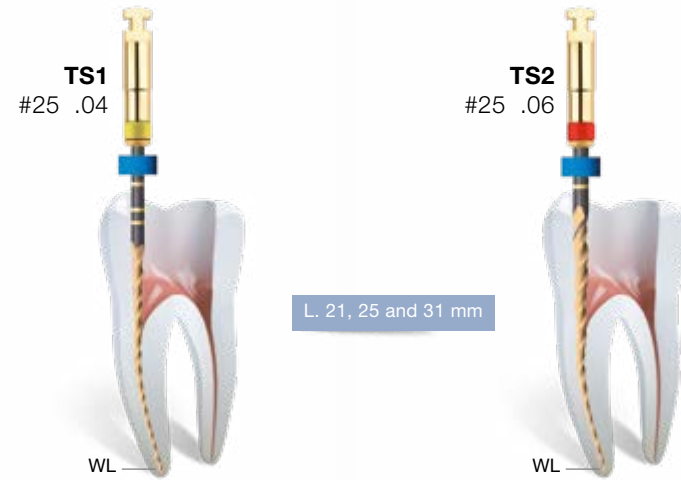
New asymmetrical
cross section



Respect of the
original root
canal anatomy

Simplified endodontics

Intuitive sequence with 2 shaping instruments in continuous rotation.



Instrumental dynamics TS1 and TS2

- Progressive movement in three waves (3 up-and-down movements) with upward circumferential filing movement.
- Insert the rotating instrument into the root canal until a resistance can be felt. Perform a circumferential brushing movement when feeling the resistance in order to eliminate the primary constraints. Remove the file from the root canal, clean the grooves and irrigate the root canal. Then continue the progressive downward movement.

2Shape is suitable for just about all treatments*.

**except rare anatomical aberrations*

WL: working length

Safe endodontics

Innovation

Proprietary Heat-Treatment process

T.Wire
technology

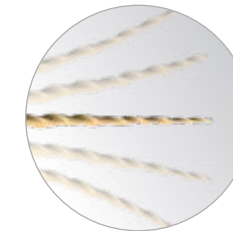
- ✓ **Increased resistance to instrument fracture**

2Shape Without heat-treatment

2Shape With heat-treatment

Up to **40%*** more resistance to cyclic fatigue

- ✓ **More flexibility**



T.Wire

- Better negotiation of curvatures.
- Preservation of the elasticity of Nickel-Titanium.

** Data from Research and Development*

Efficient endodontics

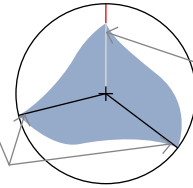
Micro-Mega presents its latest generation of cross section with triple helix: the perfect compromise between cutting efficiency and debris removal.

Innovation

New
asymmetrical
cross section

2 main cutting edges

- For excellent cutting efficiency



1 secondary cutting edge

- For improved debris removal
- To reduce constraints on the instrument



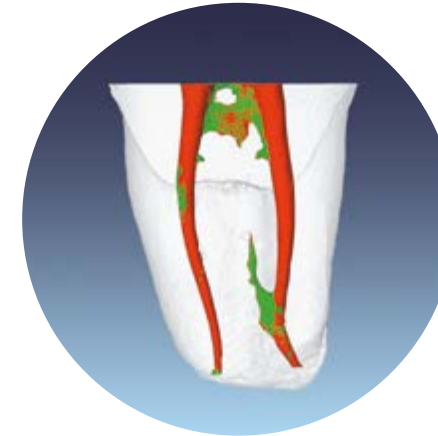
The asymmetrical cross section:

- Reduces the risk of instrument fracture¹
- Increases the efficacy of the circumferential brushing movements for efficient selective cleaning²

✓ Debris removal

The 2Shape sequence allows a better removal of suspended debris thanks to the secondary cutting edge.

✓ Respect of the original root canal anatomy and more efficient cleaning of the root canal walls



Superposition of a mandibular molar whose mesial roots were shaped with the 2Shape sequence (TS1 & TS2).



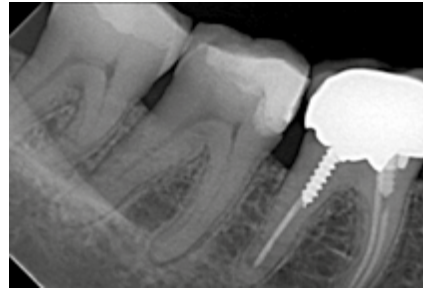
Bibliography

1. *Effect of Asymmetry on the Behavior of Prototype Rotary Triple Helix Root Canal Instruments.*
Franck Diemer, Jérôme Michetti, Jean-Philippe Mallet and Robert Piquet.
J Endod – 2013

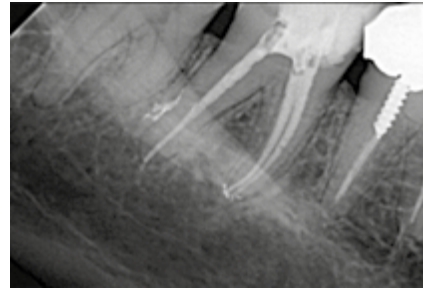
2. *The Influence of Brushing Motion on the Cutting Behavior of 3 Reciprocating Files in Oval-shaped Canals.*
Shereen Alattar, DDS, DESE, Walid Nehme, DCD, DESE, Franck Diemer, DDS, MS, PhD, and Alfred Naaman, DDS, MSc, PhD.
J Endod – 2015 May

Clinical cases

Prof. Franck Diemer, France



Preoperative x-ray of a patient's necrotic 47 which received a crown reconstruction 6 months ago (glass ionomer cement + composite).

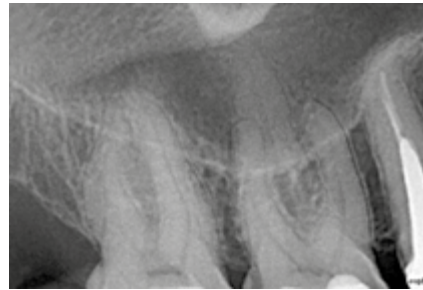


Postoperative x-ray after shaping with 2Shape, apical finishing using F40 and obturation with pure thermomechanical condensation technique thanks to Revo Condensor.

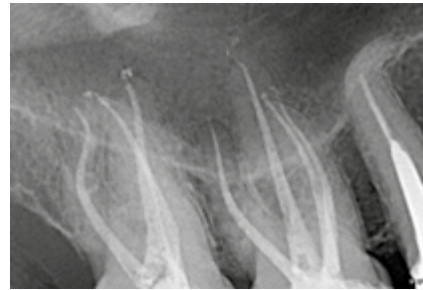


Obturation of the secondary canal in the center of the distal root and the apical delta of the mesial root.

Prof. Walid Nehme, Lebanon

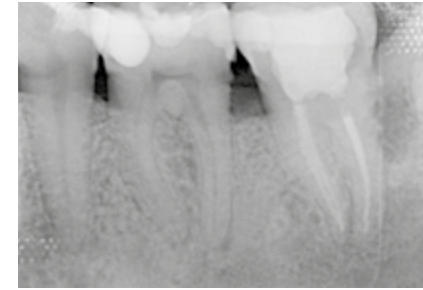


Preoperative x-ray of a 16 and a 17, both with deep caries and acute pulpitis. Both molars were shaped using the 2Shape sequence. The apical finishing of the palatine canals was carried out with a F35 file.

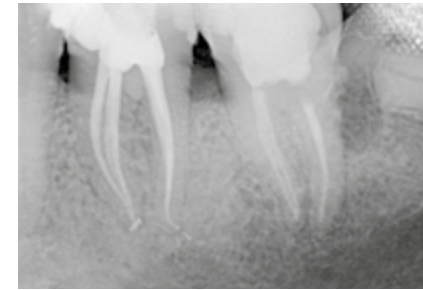
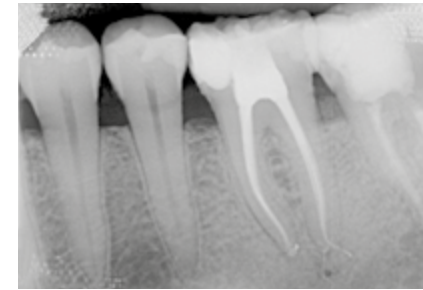


Minimally invasive approach and good respect of the multiple curvatures of the distobuccal root of tooth 17.

Dr. Jean-Philippe Mallet, France



Preoperative x-ray: upon diagnosis of pulp necrosis an initial endodontic treatment is indicated. The mesial root canals present a mineralized root canal lumen and a strong curvature and the distal canal an extremely curved apical third.



Postoperative x-rays: the endodontic treatment is performed after scouting of the root canal with a diameter 10 hand file and securing of the mesial root canals using the NiTi file One G. Shaping was carried out with TS1 and TS2 to the working length, the MB2 canal was prepared using One G only.

“ Finally a rotary file system easy to learn, easy to use and easy to teach. Thanks a lot Micro-Mega. ”



Dr. Filippo Cardinali, Italy



Dr. Jean-Pierre Siquet, Belgium

“ 2Shape perfectly meets my expectations of a shaping instrument: simplicity, efficiency and polyvalence. Beyond that, it perfectly preserves the root dentine. ”

To complete your treatment

Files for apical finishing



F35
#35 .06

- Large root canals
- Straight root canals



or

F40
#40 .04

- Thin root canals
- Curved root canals



2Shape

Presentation + operating protocol



Year of CE-marking: 2017
Medical device class IIA according to directive 93/42/EEC
Certifying body: LNE/G-MED
Medical device for dental care, meant for professional dental use only. See product labelling and, where applicable, instructions for use.



Sterility guaranteed if package is unopened and undamaged.



Can be sterilized in a steam sterilizer (autoclave) at the indicated temperature.

Micro-Mega SA
12, rue du Tunnel
25000 BESANCON / France

2Shape F35 and F40

Presentation + operating protocol



Year of CE-marking: 2017
Medical device class IIA according to directive 93/42/EEC
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