

ROOT CANAL SHAPING

MicroMega

One Curve

The Endo DNA



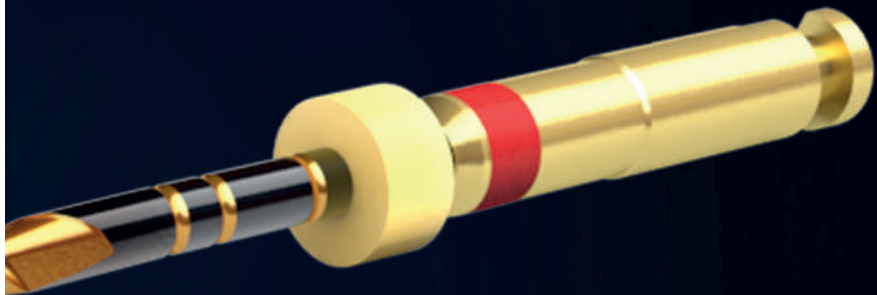
 **COLTENE**

THE ENDO DNA

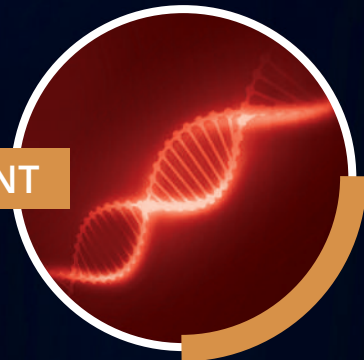
One
Curve



C·Wire



EFFICIENT



CONSERVATIVE





SMART

ONE SINGLE INSTRUMENT FOR ROOT CANAL SHAPING

- > Simplified instrument management
- > No risk of cross-contamination: single use

REDUCED SHAPING TIME

- > More time for irrigation



59%+
faster

Compared to an **instrumental sequence**⁽¹⁾

33%+
faster

Compared to a heat-treated **reciprocating** instrument⁽²⁾



Source data

⁽¹⁾ *Shaping ability of different single-file systems in severely curved root canals of extracted teeth* - S. Burklein et al

⁽²⁾ *Data: Micro-Mega R&D*



EFFICIENT

Product Micro-Mega
last generation



One
Curve



C.Wire : Heat-treatment of Nickel-Titanium, a One Curve exclusivity.

C.Wire is a technique designed, developed and applied by Micro-Mega.

- Controlled memory
- Pre-bendable
- Conservation of the curvature

100% +
more flexible ⁽³⁾



2.4 X
more resistant ⁽⁴⁾
to fracture
(cyclic fatigue)



Pre-bendable

- > Elimination of constraints
- > Easier access to the root canal



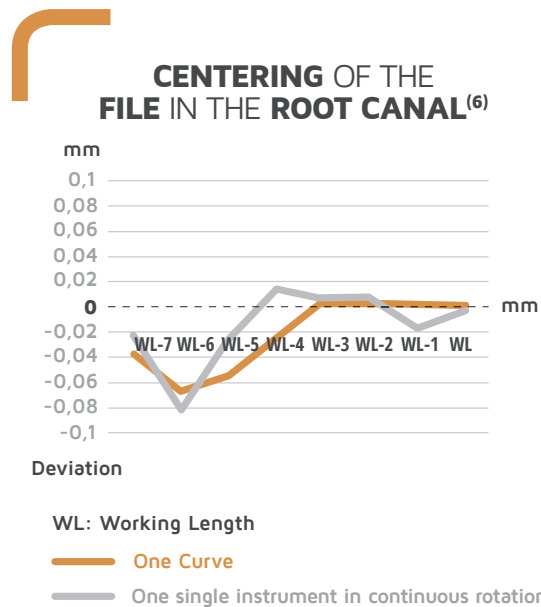
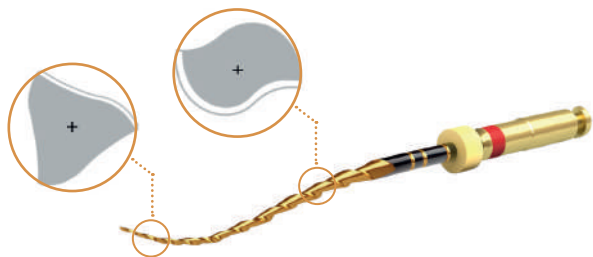
Source data

^{(3) (4)} Data: Micro-Mega R&D



The instrument was developed to respond to the need of efficient shaping while respecting the initial root canal anatomy.

- > The non-existent ovalization secures the apical zone ⁽⁵⁾
- > The variable cross-section combined with continuous rotation ensures excellent cutting efficiency and a perfectly centered trajectory ⁽⁷⁾



Source data

^{(5) (6)} Data Micro-Mega R&D

⁽⁷⁾ Shaping ability of 4 different single-file systems in simulated S-shaped canals. A.M Saleh et al.

HOW TO USE IT?



- **Continuous rotation**
- **Speed 300 rpm, torque 2.5 N.cm**
- Direct downward movement until the working length
- Reduced mechanical treatment time
- Treatment of simple and complex root canal anatomies
- L 21, 25, 31mm

**The instrument is hyper-flexible and extremely resistant.
You have full control over the instrument.**



« A good instrument needs to adapt itself to the most difficult cases. One Curve meets these requirements through its flexibility, its cutting efficiency and its fracture resistance. »

*Dr. Oussama Bouammar,
France*



« Perfect combination between high flexibility and good cutting efficiency. Great safety and respect for curved canals. »

*Dr. Mostafa Anwar,
Egypt*



« I love this file! It is almost addictive!
A real game changer »

*Dr. Konstantinos Kalogeropoulos,
Greece*

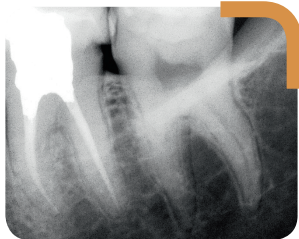


« One Curve is the perfect compromise between flexibility and cutting efficiency in a single instrument concept. Its ease of use and versatility give the clinician a real control and does not require a specific motor. »

*Dr. Simone Staffoli,
Italy*

CLINICAL CASE

Pr. Khaled Balto, Saudi Arabia



Preoperative x-rays:

Tooth n°36
Diagnosis:
irreversible pulpitis



Postoperative x-rays:

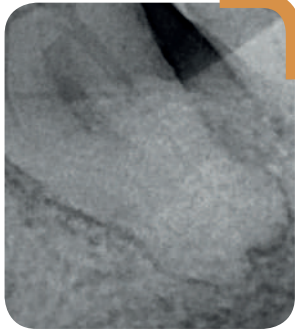
Treatment approach:

- > Initial canal exploration with manual files n°008 and n°010
- > Glide path with One G
- > Preflaring with One Flare
- > Shaping with One Curve in three waves up to the apex



CLINICAL CASE

Dr. Tara Mc Mahon, *Belgium*



Preoperative x-rays

Tooth n°37

Diagnosis:
apical periodontitis



Postoperative x-rays

Endodontic treatment:

- >Access cavity to locate the 3 canals and canal initial exploration with MMC n°010
- >Preflaring with One Flare. Glidepath with manual MMC n°015, 010 & 008 files using the crown down technic
- >Working length (WL) determination using the MMC n°010 file. When the n°015 file freely reaches the apex, mechanical shaping
- >For mesial canals, One Curve is used up to the first curvature then rinse with NaOCl, patency checking with MMC n°010. One Curve is then used up to the apex
- >For the distal canal, the objective is to directly reach the apex with One Curve
- >Irrigation with NaOCl 5.25% during the whole treatment. Irrigation with EDTA 17% and final rinse with NaOCl before obturation (thermocompaction)

Data Micro-Mega

⁽²⁾ « Rapport de validation One Curve Micro-Mega Tara Mc Mahon 2017-08-25 »

⁽³⁾ « Rapport valeurs torsion-flexion après taillage 20170725 » + « Note valeurs torsion-flexion One Curve 20170725 »

⁽⁴⁾ « Rapport fatigue cyclique One Curve 2017-09-12 »

⁽⁵⁾ « Rapport One Curve traitement thermique Micro-Mega Fabienne Pérez 2017-07-07 »

⁽⁶⁾ « Rapport One Curve traitement thermique Micro-Mega Fabienne Pérez 2017-07-07 »

One Curve

Presentation



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

Notified body: LNE/G-MED

Medical device for dental care, meant for
professional dental use only.

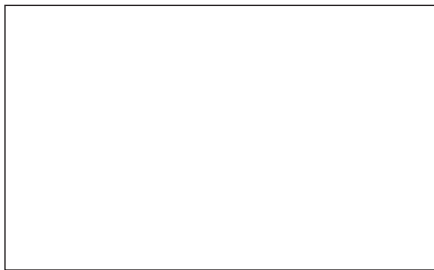
See product labelling and, where appli-
cable, instructions for use.

STERILE EO



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

© COLTENE – MicroMega.Coltene.com



Micro-Mega SA
12, rue du Tunnel
25000 BESANCON / France
T +33 3 81 54 42 42
F +33 3 81 54 42 30
commercial@micro-mega.com

