



SWISS INSTRUMENTS^{PM}

FROM
THE INVENTOR
OF THE
PIEZON[®]
METHOD

EMS 
ELECTRO MEDICAL SYSTEMS

SWISS INSTRUMENTS™
PRECISION BY DESIGN



PS Instrument
[>magnified 8x]

SWISS INSTRUMENTS™
PIEZON METHOD

PIEZON® METHOD → SWISS INSTRUMENTS™^{PM}

PIEZON® ULTRASOUND
INSTRUMENTS FOR A COMPLETE
RANGE OF TREATMENTS

- ENDODONTICS
- SCALING
- PERIO
- CAVITY PREPARATION
- RESTORATIVE

TOP QUALITY AT ITS BEST

ENDODONTICS – FROM CLASSIC TO STATE OF THE ART→

- SHAPE ROOT CANAL
- CLEAN ROOT CANAL
- LATERAL GUTTA-PERCHA CONDENSATION
- REMOVE CROWNS, BRIDGES AND PINS
- REMOVE CALCIFICATIONS
- REMOVE PIECES OF FRACTURED INSTRUMENTS
- RETROGRADE PREPARATION OF ROOT CANALS



ULTRA CLEAN
Cleaning and disinfecting solution for Piezon® Master 400 and 600 as well as other ultrasound units

Available in selected markets only – please contact your local dealer for details

6 BOTTLES AT 1000 ml → **MUC-006**



RT1 INSTRUMENT
Diamond-tipped instrument for locating canals and removing calcifications in the coronal third of the root canal system

DS-066 A



RT2 INSTRUMENT
Diamond-tipped instrument for removing ledges. Creates straight canal for easy viewing of broken instruments

DS-067A



D INSTRUMENT
For loosening crowns, bridges and pins placed previously with phosphate cement

DS-005 A



H INSTRUMENT
For the lateral thermal condensation of gutta-percha

DS-004 A



FLAT WRENCH
To change instruments for all three file holders

DT-018



RT3 INSTRUMENT
Very long and fine instrument for the removal of broken instrument tips. Use with 180° file holder

DT-062



180° FILE HOLDER
For use with RT3, Berutti and RE2 instruments

DS-069



120° FILE HOLDER
For the flexibility to use different endo files, specially suited for anterior and premolar areas. Also suitable for RE2 and Berutti instruments

DS-010



90° FILE HOLDER
For the flexibility to use different endo files, specially suited for the molar area

DS-012



RE2 INSTRUMENT
Instrument for retrograde root-canal isthmus preparation. The surface is coated with titanium nitride to improve abrasion. Use with 120° or 180° file holders

DT-061



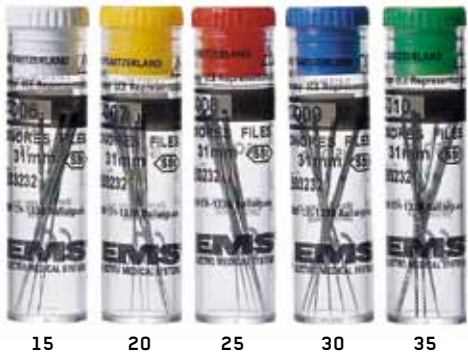
BERUTTI INSTRUMENT
Diamond-tipped instrument for the retrograde preparation of root canals. A tapered design allows minimally invasive access and therefore fewer postoperative complications. Use with 120° or 180° file holders

DT-060



ESI INSTRUMENT
Non-cutting NiTi instrument for the effective cleaning and irrigation of the root canal system

DT-069 /A



STEEL FILES/K-FILES/ENDO FILES
K-Files for cleaning and disinfecting the root canal system [> Use files in 90° or 120° file holders]

6 endo files ISO 15 (white)	DT-006
6 endo files ISO 20 (yellow)	DT-007
6 endo files ISO 25 (red)	DT-008
6 endo files ISO 30 (blue)	DT-009
6 endo files ISO 35 (green)	DT-010

1 set endo files ISO
15/20/25/30/35 mm, 6 pcs each

DT-011

PIEZON® MASTER 600→

FOR USE WITH MORE THAN 20 ULTRASOUND APPLICATIONS WITH THE PIEZON® METHOD, FROM SCALING AND PERIODONTAL THERAPY TO CAVITY PREPARATION



CART

For the mobile use of Piezon® Master 600 with integrated power supply

METALLIC SILVER→

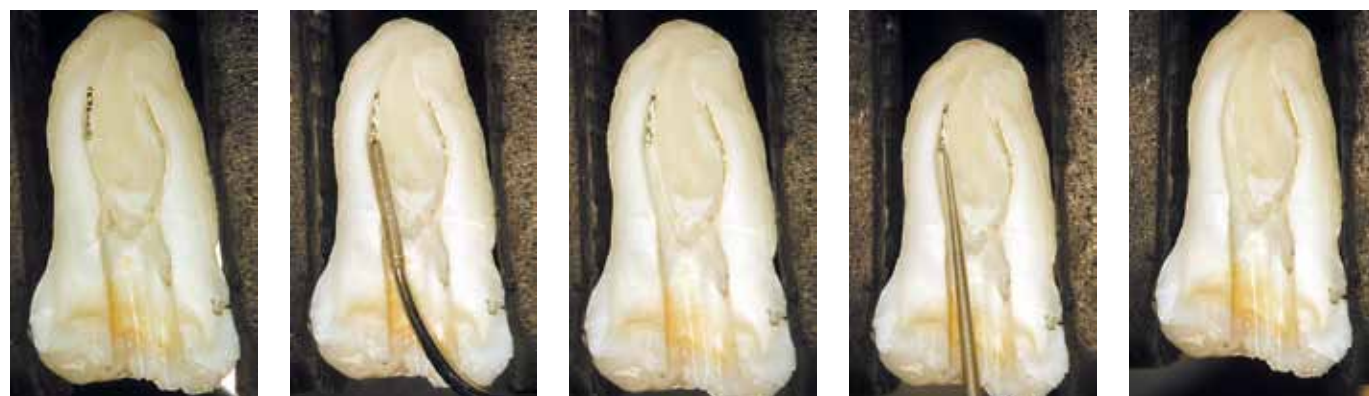
MD-907

WHITE→

MD-908



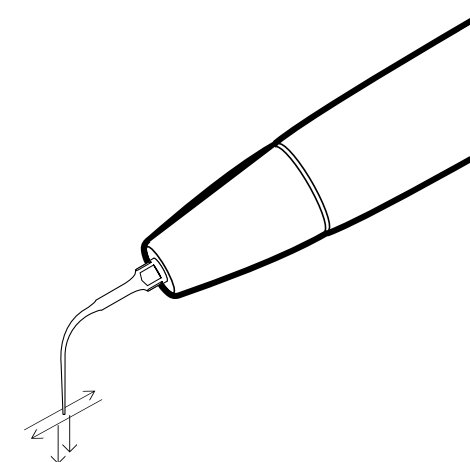
REMOVING A BROKEN INSTRUMENT WITH SWISS INSTRUMENTS™ **RT1, RT2, RT3**



PIEZON® METHOD→

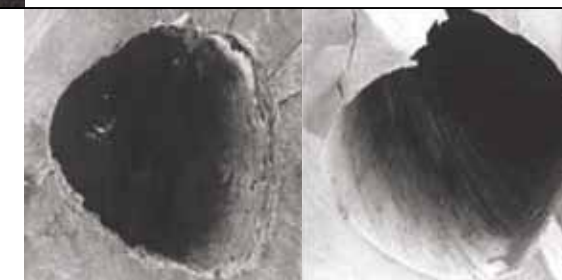
ABSOLUTELY LINEAR OSCILLATIONS

→FOR UNEQUALLED PRECISION AND GENTLE FUNCTIONING OF EACH INSTRUMENT
→PERFECT FOR THE RESPECTIVE TREATMENT APPLICATION WITH PERMANENT FEEDBACK MEASUREMENT



- > Hydrodynamic effects are key to success in perio and endo treatments
- > Bactericidal action through cavitation and acoustic streaming

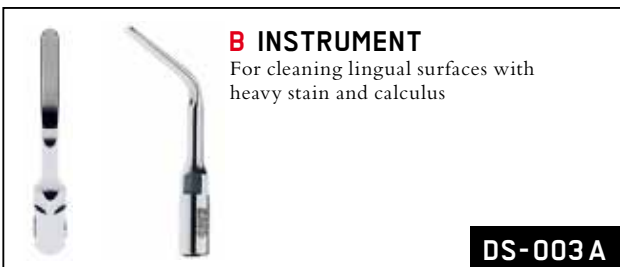
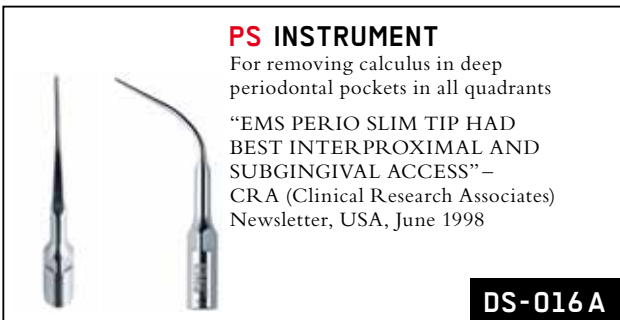
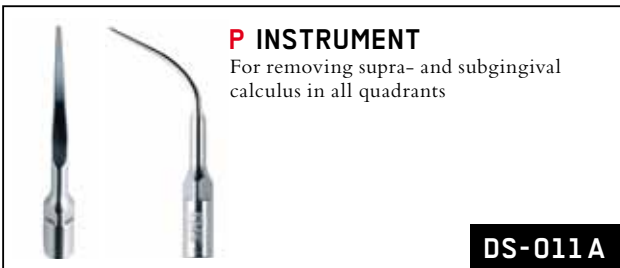
- > Comparison of a root canal prepared using hand instrumentation (left) and one prepared by ultrasound with the Piezon® method (right)



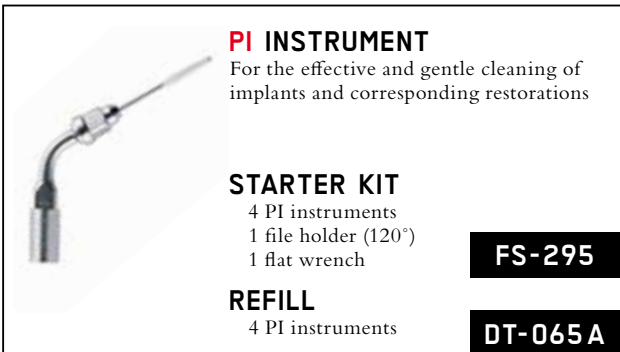
DURING ENDO TREATMENT, THE QUALITY OF THE INSTRUMENT SURFACE ALLOWS REMOVAL OF EVEN THE SMALLEST AMOUNTS OF TOOTH SUBSTANCE

SCALING AND PERIO→

WITH CONTROLLED INSTRUMENT MOVEMENTS
GENTLE AND PAINLESS



IMPLANT CLEANING WITH PIEZON®



PL1 INSTRUMENT
Left-curved instrument for periodontal debridement – especially suitable for difficult-to-reach interproximal surfaces

DS-030 A



PL4 INSTRUMENT
Left-curved instrument with small ball [$> 0.6\text{-mm diameter}$] on instrument tip for the periodontal debridement of furcations and concavities

DS-033 A



PL2 INSTRUMENT
Right-curved. Otherwise same as PL1 instrument

DS-031 A



PL5 INSTRUMENT
Right-curved. Otherwise same as PL4 instrument

DS-034 A



PL3 INSTRUMENT
Instrument for cleaning and disinfecting periodontal pockets – especially suitable for follow-up and recall visits

DS-032 A



HPL3/DPL3 INSTRUMENTS
Diamond-tipped perio instruments for in-depth root debridement using direct vision [$> \text{“Flap”}$] – for smoothing restoration overhangs as well as expanding root furcations

HPL3 70-µm GRAIN→ DS-075 A

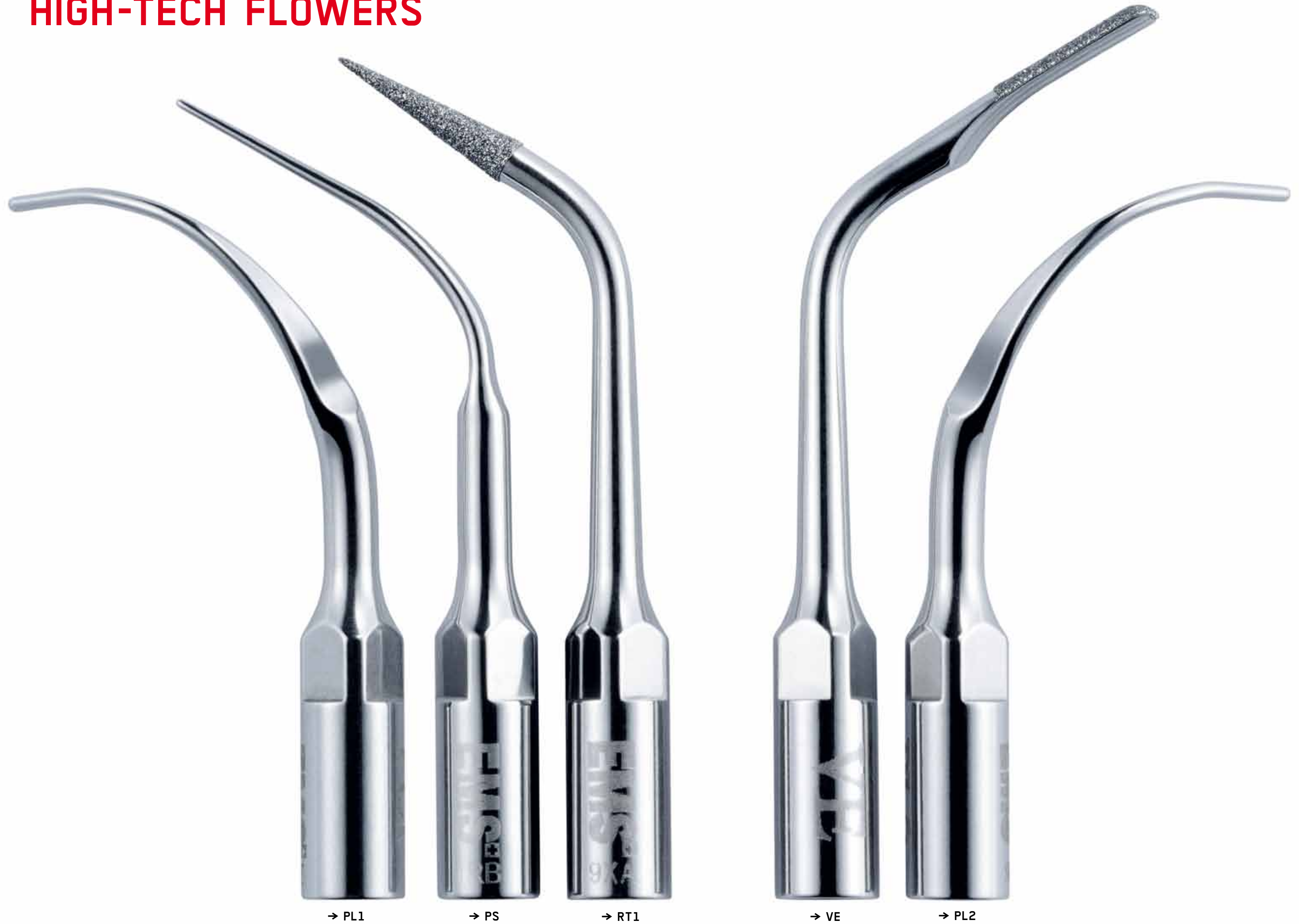
DPL3 15-µm GRAIN→ DS-065 A



BacterX®→
READY-TO-USE CHLORHEXIDINE SOLUTION (0,2 %)
WITH AND WITHOUT ALCOHOL
TO SUPPORT PERIODONTAL TREATMENT

Available in selected markets only – Please contact your local dealer for details

HIGH-TECH FLOWERS



→ PL1

→ PS

→ RT1

→ VE

→ PL2

SWISS INSTRUMENTS™ → SYSTEMS WITH ADVANTAGE

COMBITORQUE® →

UNIQUE TORQUE TOOL

- > Unique combination of torque wrench and instrument holder
- > Safe and clear storage of instruments
- > Significantly reduced risk of loss of fine instruments

EACH INSTRUMENT WITH ITS OWN COMBITORQUE®

- > Instrument and CombiTorque® are sterilised together
- > Dentist or assistant do not need to touch the instrument
- > No risk of injury or contamination

→ STERILE MOUNTING OF TIP



STERIBOX →

FULLY STERILISABLE STAINLESS-STEEL TRAYS

- > Clear arrangement and storage of instruments
- > Treatment-specific, sterile treatment preparation
- > Fast choice of instrument during treatment
- > Two sizes – quarter- or half-tray size – depending on the number of handpieces and instruments
- > High quality for long life



CAVITY PREPARATION →



SM INSTRUMENT
Partially diamond-tipped instrument for preparing mesial cavities – without damage to the adjacent tooth

DS-051 A



SD INSTRUMENT
For distal cavities. Otherwise same as SM instrument

DS-052 A



PF INSTRUMENT
Diamond-tipped instrument for enlarging fissures

DS-062 A



VE INSTRUMENT
Diamond-tipped instrument for veneer preparation – for clearly defined preparation margins with maximum protection for gingiva and adjacent tooth

DS-064 A



SBm INSTRUMENT
Partially diamond-tipped instrument for finishing interproximal mesial cavity margins

DS-060 A



SBd INSTRUMENT
Partially diamond-tipped instrument for finishing interproximal distal cavity margins

DS-061 A



SB INSTRUMENT
Diamond-tipped instrument for enlarging small occlusal and buccal defects

DS-057 A

RESTORATIVE →



E INSTRUMENT
For condensing small to medium amalgam fillings

DS-006 A



F INSTRUMENT
For condensing large amalgam fillings

DS-007 A



G INSTRUMENT
For smoothing and burnishing amalgam fillings and gold foil fillings

DS-008 A

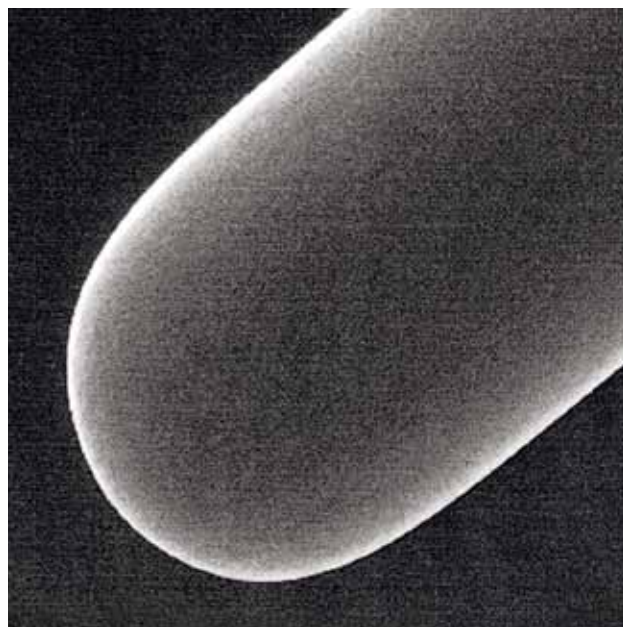


SP INSTRUMENT
For bonding ceramic inlays, onlays and veneers [>without SP cap]

DS-015 A

6 SP CAPS → EL-063

ORIGINAL SWISS INSTRUMENTS™ PL3→



NO NAME ULTRASOUND INSTRUMENT→



MAGNIFICATION REVEALS SWISS QUALITY FROM EMS AND SHOWS THE DIFFERENCE

- > Premium surgical steel with exclusive alloy for EMS
- > Intricate manufacturing process with up to 31 production steps
- > Reproducible oscillation behaviour due to high-precision fabrication
- > Fine surface due to special polishing process for long life
- > Inspection of each instrument

“BUYING CHEAP MAY COST YOU”

CHECK YOUR PIEZON® INSTRUMENTS→

**EVEN THE BEST ULTRASOUND INSTRUMENTS
ARE SUBJECT TO NORMAL WEAR**

- > 2 mm shorter = 50% performance loss

**REGULAR REPLACEMENT DELIVERS MEASURABLE
TREATMENT EFFICACY**

- > Easy removal of calculus = saves time
- > Effortless treatment = practitioner comfort
- > Gentle on the tissue = patient comfort

YOUR PIEZON® INSTRUMENT TESTER SHOWS IT →





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Swiss Instruments^{PM}



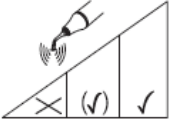
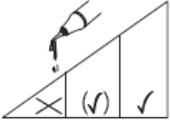


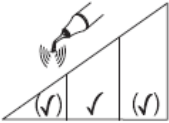
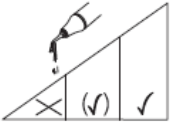

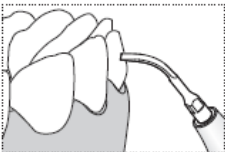
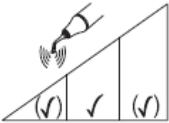
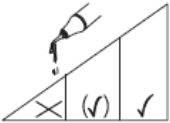


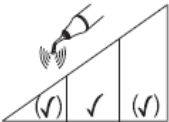
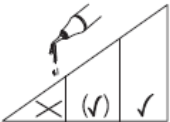



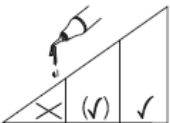

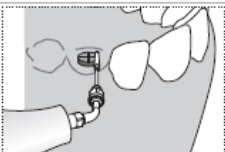


EMS S.A.


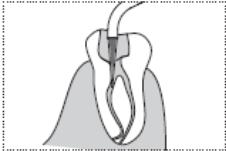
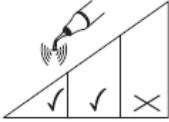
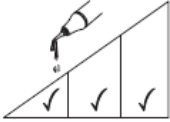

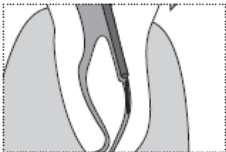
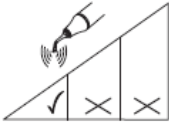
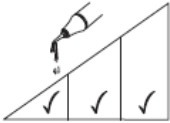
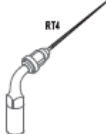
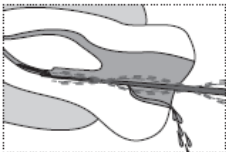
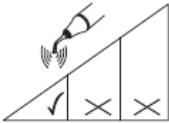
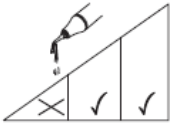


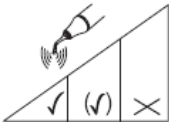
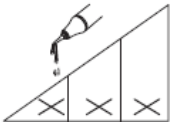


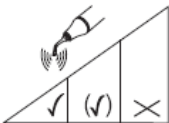
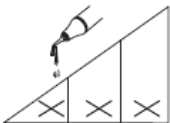

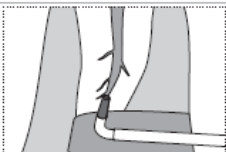

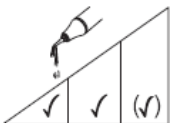
v. 2.2


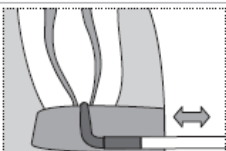


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3. Instruments
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→ Settings at a glance

Scaling				
				
				
				
				
				

Endo				
				
				
				
				
				

			
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→ Settings at a glance

Resto				

Perio				

Endo files				

→ Benefits

Efficiency

Optimum instrument efficiency with dedicated EMS electronic and feedback-control

Controlled resonance frequency

Enhanced cleaning efficiency through acoustic micro-streaming

Bactericidal effect and disintegration of biofilm through ultrasound generated cavitation

Complete range of instruments each designed to cover specific treatment

Time gain



→ Benefits

Innovation

Continuous engineering and manufacturing improvements

Designed with the help of the latest technologies (finite elements model)



Reliability

In combination with EMS CombiTorque: perfect tightening on all EMS handpieces

Continuous manufacturing controls

Highest Swiss precision and manufacturing standards

Optimum and controlled natural wear of instrument

Compatible with all EMS handpieces

EMS warranty

→ Benefits

Safety

Absolutely linear movement/oscillation

Optimum spray geometry and cooling effect

Verified material biocompatibility

Sterilisation

In combination with EMS CombiTorque: no cross-contamination or user injury possible

High quality materials to ensure robustness

EMS quality management system



→ General information

CombiTorque®

Controlled, perfect & fast tightening torque
Instrument holder for sterilization
User protection
Hygiene



Steribox

Hygienic storage
Sterilisable
For all instruments and handpieces



→ Highest manufacturing standards

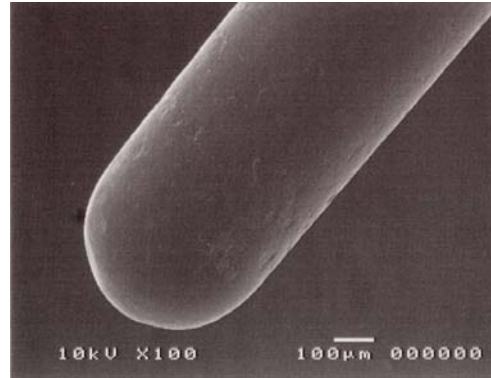
Swiss Instruments^{PM}

26 manufacturing steps

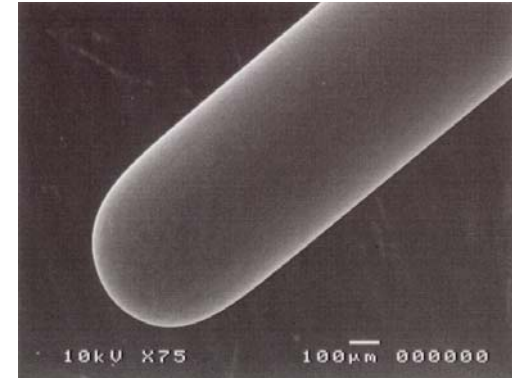
31 controlled parameters

Tolerance < 10μm

Hardness > 600 HV



(Magnification x100)



(Magnification x100)



(Magnification x1000)

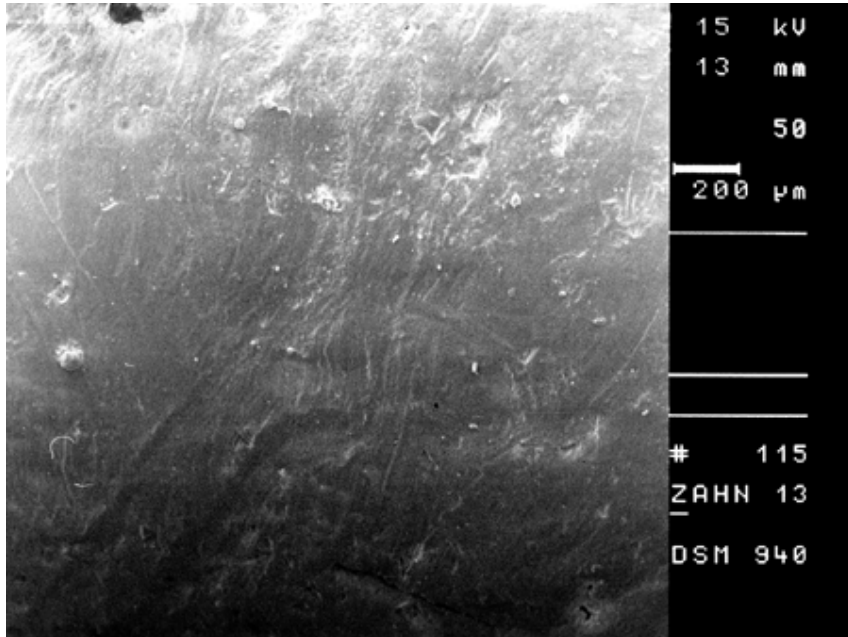
Others



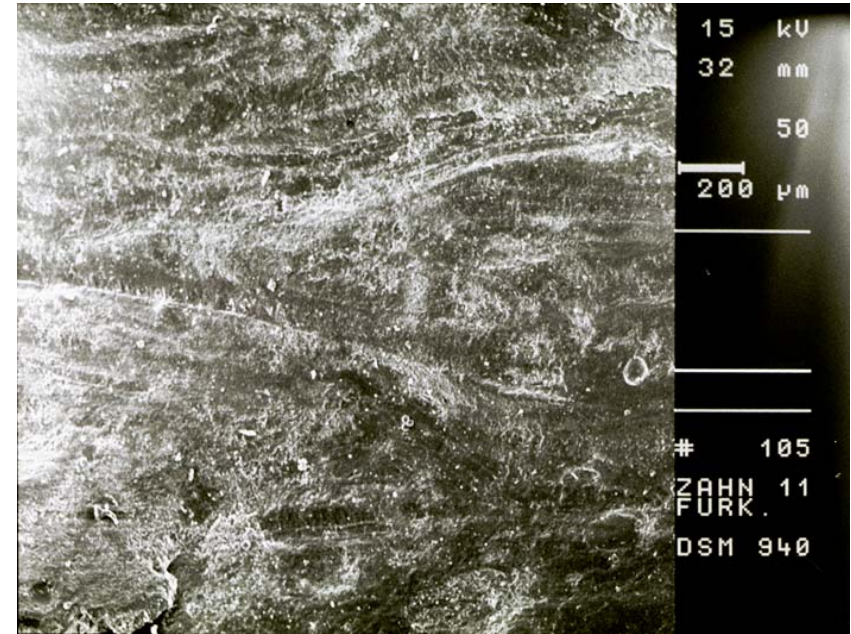
(Magnification x1000)

EMS

→ Highest clinical results



EMS



Gracey curettes

→ Power and irrigation settings

Power setting:

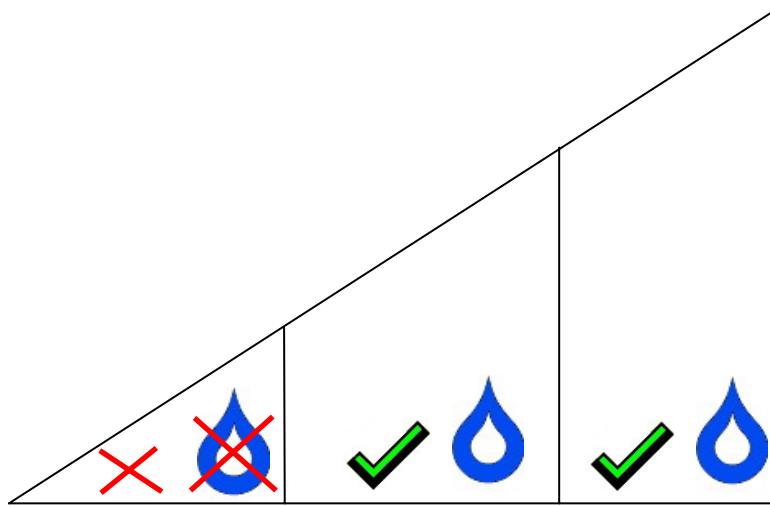
Prohibited 

Authorized 

Irrigation setting:

Prohibited 

Authorized 



Minimum

Maximum

→ Recommendations

Reprocess your instruments before use

Pay attention to recommended power and irrigation settings

On metal/ceramic restorations only dedicated instruments shall be used

Reduce bacterial count with BacterX[®]

Use proper working technique

Use rubber dam if possible

General rule: replace instrument when its length is reduced by 2mm



→ Scaling / Perio

Remove supragingival calculus

Remove subgingival calculus

Periodontal maintenance therapy

Periodontal surgery

Implant and restoration maintenance

→ Instrument A (DS-001A)

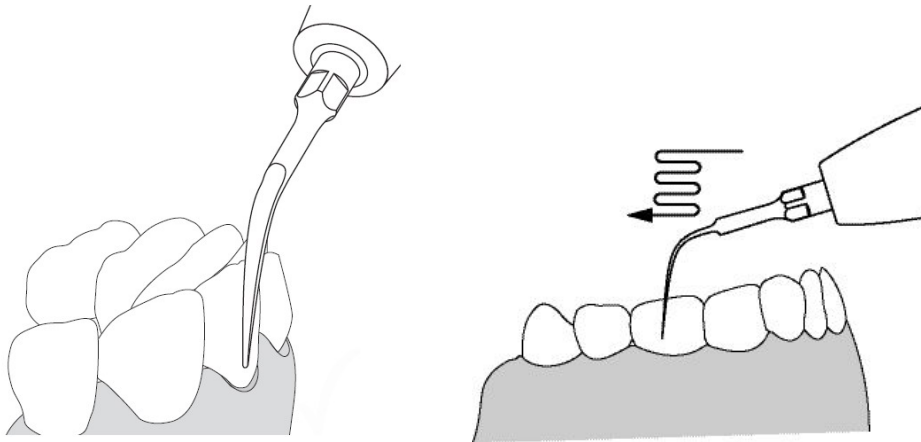
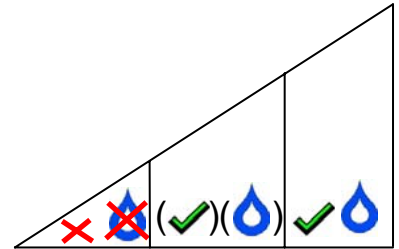
Universal Scaling Instrument

For all teeth, supragingival only

Maximum performance

Use the first 2-3 mm tip, tangent to the tooth

Work from the incisal edge to the sulcus



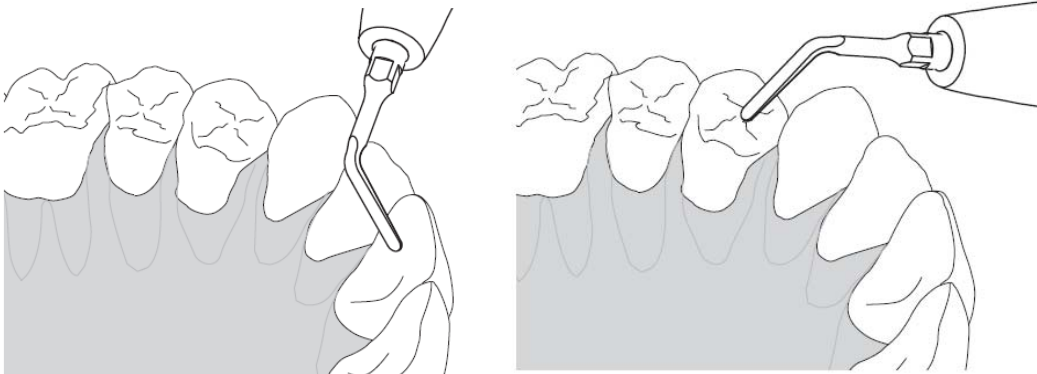
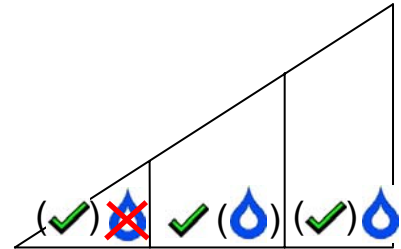
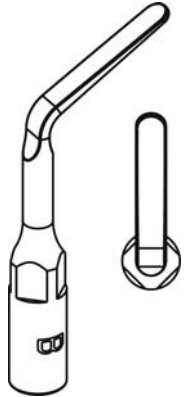
→ Instrument B (DS-003A)

Lingual Calculus Scaling Instrument

For all teeth, supragingival only

Also for thin lingual deposits

Rounded tip can be used directly at low power



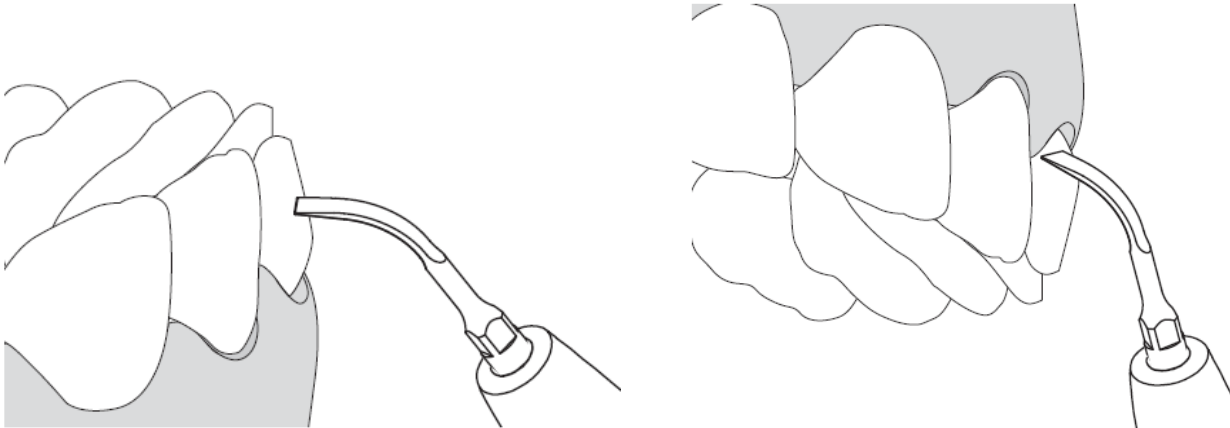
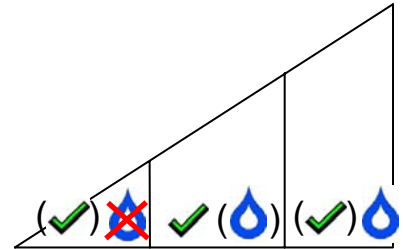
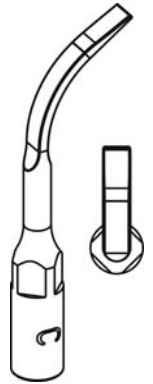
→ Instrument C (DS-002A)

Heavy Calculus Scaling Instrument

For all teeth, supragingival only

For heavy deposits

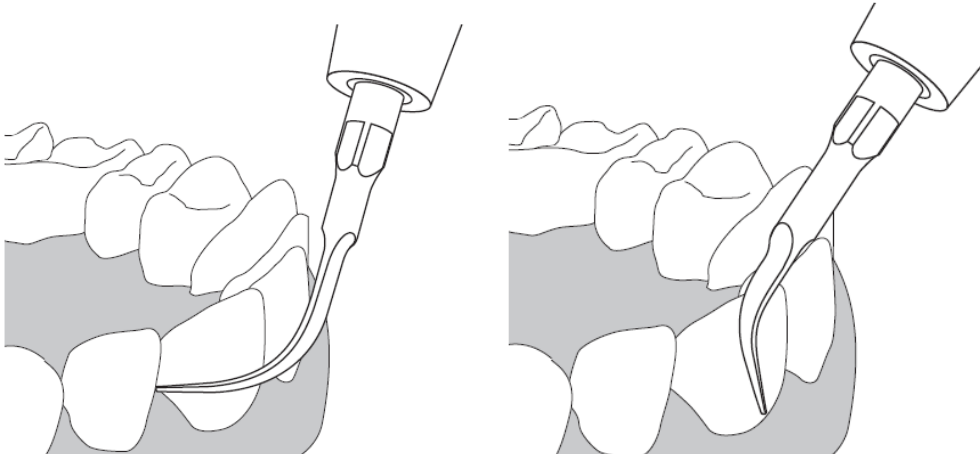
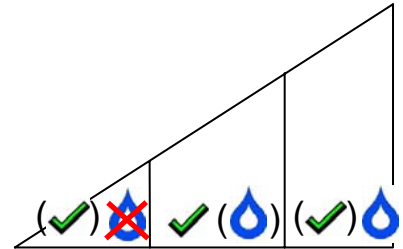
Flat tip can be used on the labial surface of the tooth



→ Instrument P (DS-011A)

Perio Instrument

For all teeth, supra & subgingival down to ~4 mm pocket depth
First 2-3 mm instrument tip shall be used, tangent to the tooth
Applicable for interproximal areas as well
Probe shall be used to check depth & result



→ Instrument PS (DS-016A)

Perio Slim Instrument

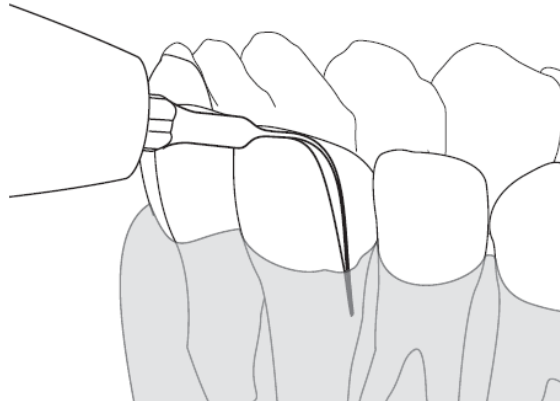
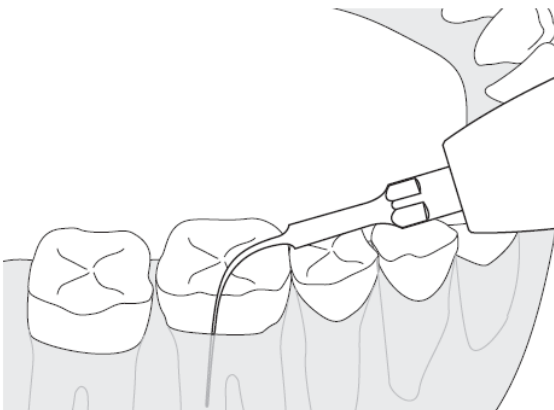
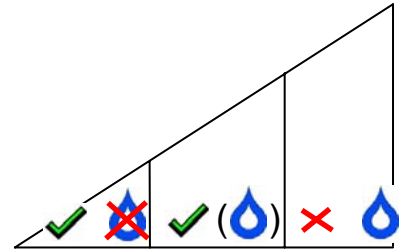
For all teeth, supra & subgingival for deep pockets

First 2-3 mm instrument tip shall be used, tangent to the tooth

Probe shall be used to check depth & result

Applicable for antimicrobial pocket irrigation delivery as well

Applicable also for gentle supragingival maintenance (children)



→ Instrument PL3 (DS-032A)

Perio Line Instrument (recall & irrigation)

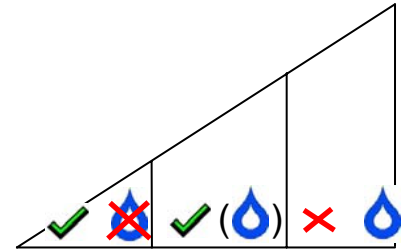
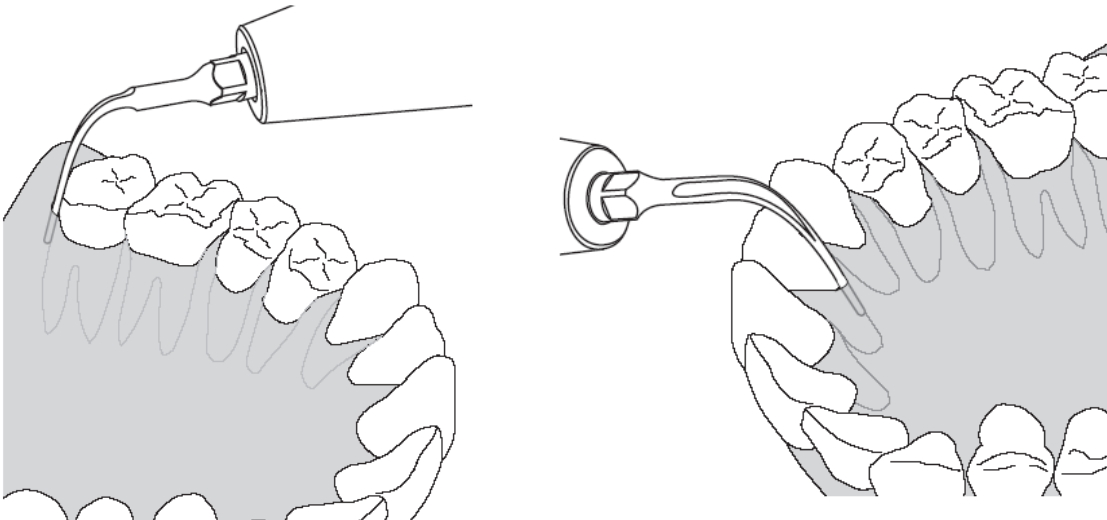
For all teeth, for all root surfaces

First 2-3 mm instrument tip shall be used, tangent to the tooth

Circular section compared to PS, more gentle

Probe shall be used to check depth & result

Applicable for antimicrobial pocket irrigation delivery as well



→ Instrument PL1/2 (DS-030A/31A)

Perio Line Instrument

PL1 left curved, PL2 right curved

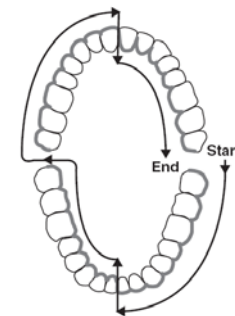
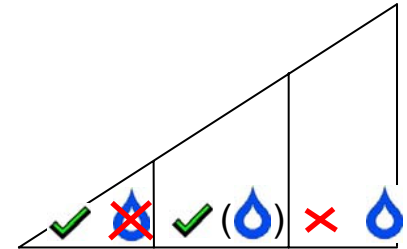
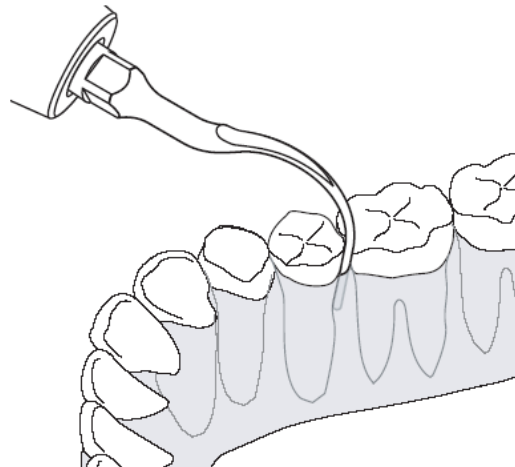
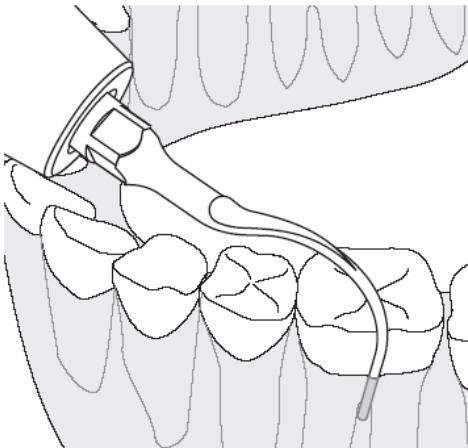
Shaped for lingual and buccal surfaces

All lateral surfaces of the instrument shall be used

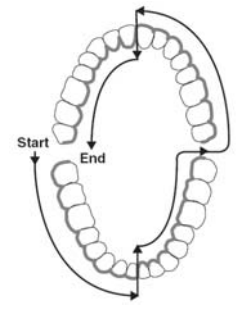
Applicable in furcation areas



PL2



PL1



PL2

→ Instrument PL4/5 (DS-033A/34A)

Perio Line Instrument

PL4 left curved, PL5 right curved

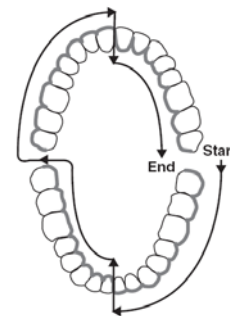
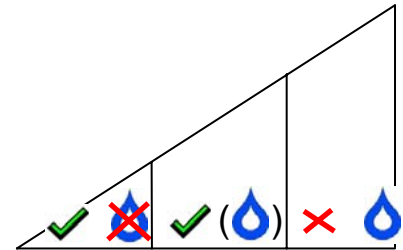
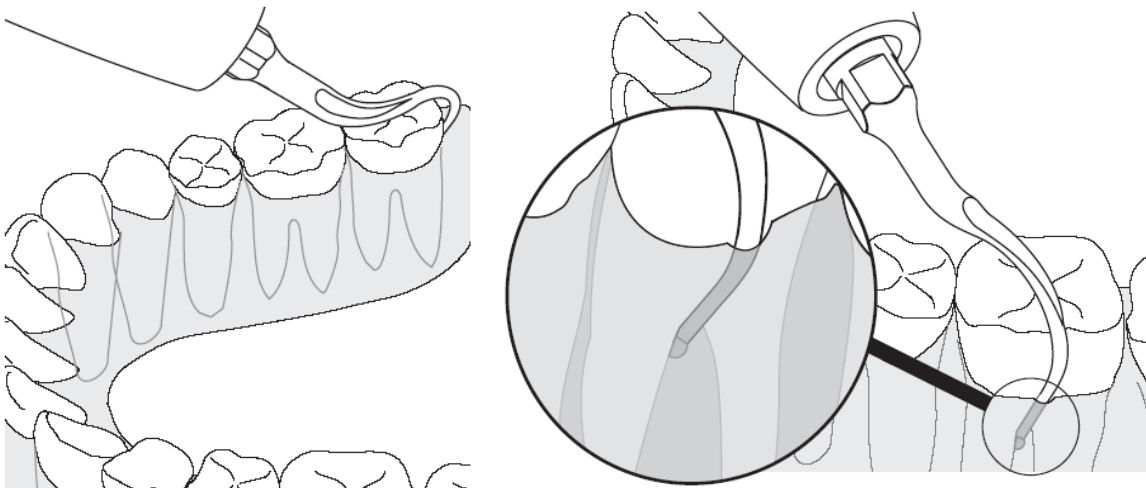
Shaped for lingual and buccal surfaces

Tiny ball-ends for furcation and concavities areas

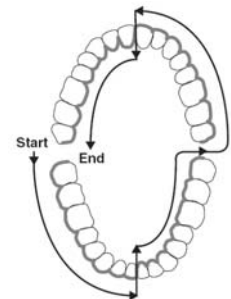
Ball diameter: ~0.8 mm



PL5



PL5



PL4

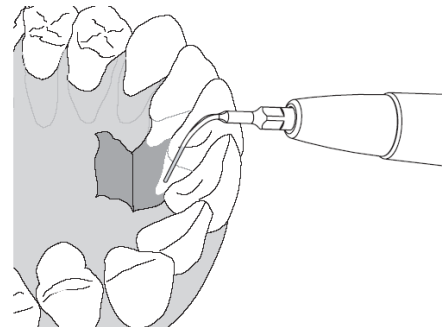
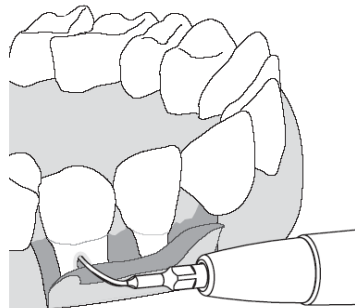
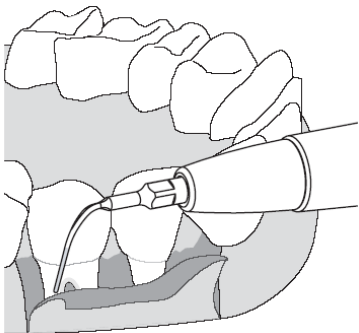
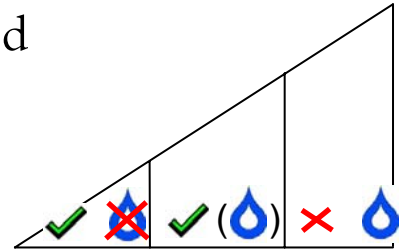
→ Instrument DPL3/HPL3 (DS-065A/75A)

Perio Diamond Instrument

DPL3 (15 μ m) / HPL3 (70 μ m)

First HPL3 shall be used for root cleaning (direct sight) and
furcation enlargement

Then DPL3 shall be used to polish the surfaces previously treated



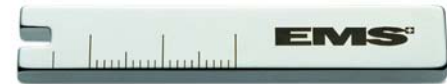
→ Endochuck

Adapter for PI, K-files, ESI-file, Berutti, RE2, RT3

Flat wrench shall be used to tighten the Endochuck to the HP

Tighten the nut only when an instrument is inserted

Power and liquid settings depend on the instrument attached



DS-069 (180°) / DS-010 (120°) / DS-012 (90°)

DT-018

→ Instrument PI (DS-065A)

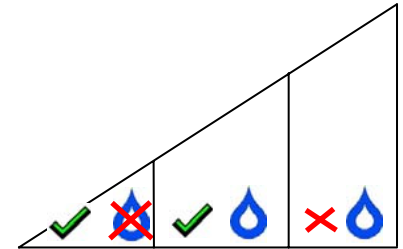
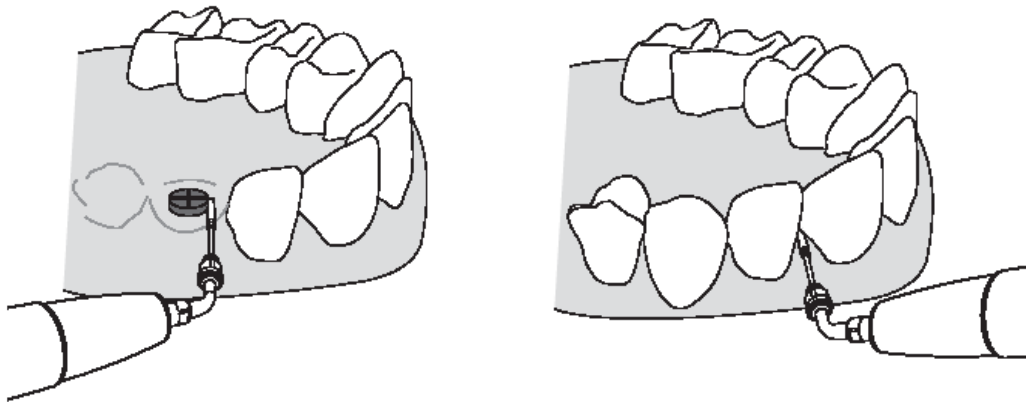
Implant and Restoration Maintenance Instrument

Shall be used with Endochuck 120°

Convenient refill

Instrument to stick out of the Endochuck by 14 mm

Durability: ~ 50 patients with 4 implants/restorations



→ Endodontics

Root canal entry location and calcifications removal

Preparation and cleaning of root canals

Cleaning and irrigation of root canals

Obturation / condensation of gutta-percha

Access preparation for removal of broken files

Broken file removal

Retrograde root canal preparation

Retrograde isthmus preparation

Post, bridge and crown removal

→ Instrument RT1 (DS-066A)

Retreatment Instrument for removing calcifications

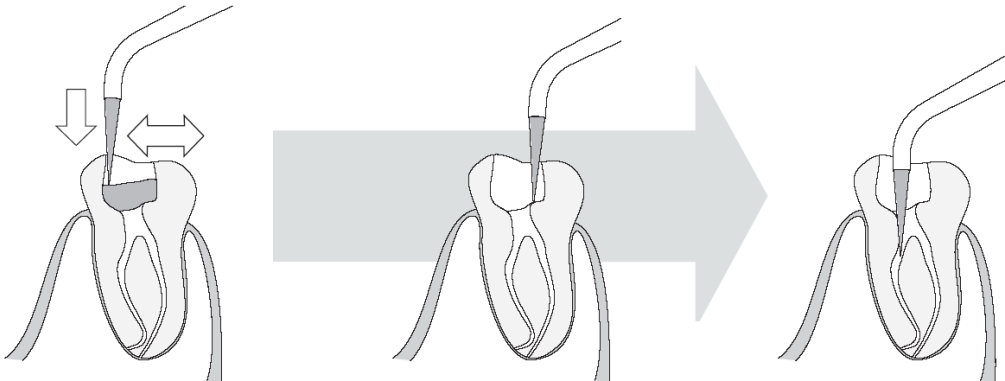
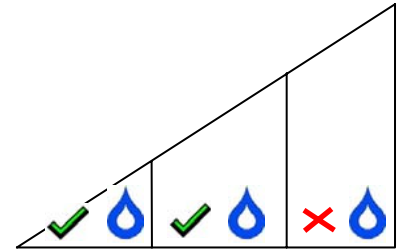
Easy location of root canal entries

Diamond coated for high efficiency (70µm)

No need to apply pressure on the instrument

Excellent visibility thanks to conical shape

Can be used in the coronal third



→ K-files (DT-011)

Preparation and cleaning of root canals

Shall be used with Endochuck 90° or 120°

5 ISO sizes (15, 20, 25, 30 & 35)

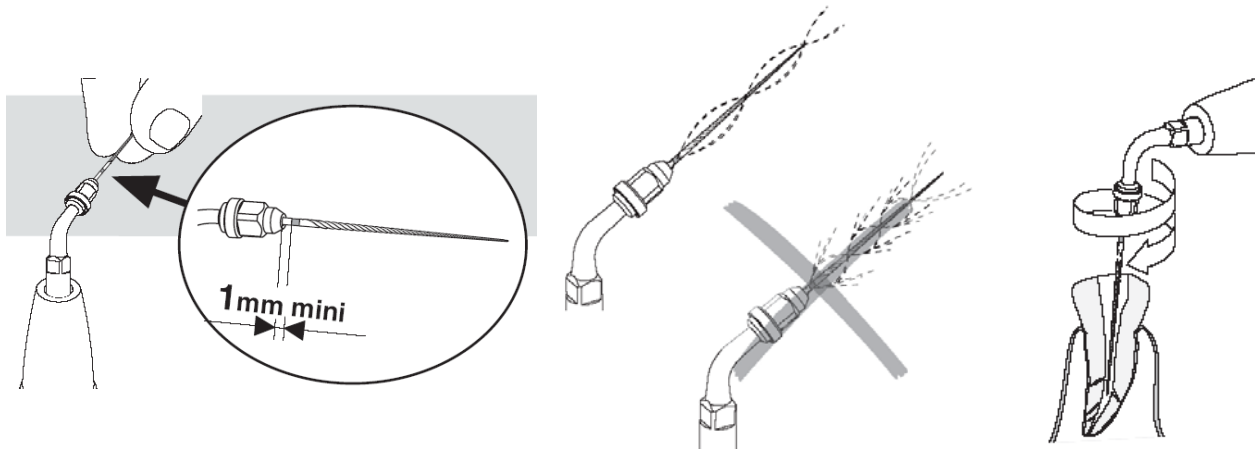
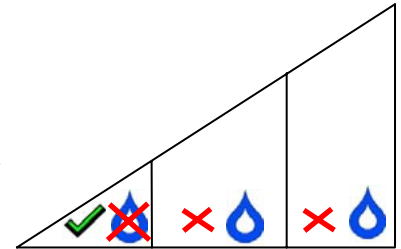
Marking should be visible (see pic.), do not use depth stop

Can be pre-bent to adjust to the root canal morphology

Liquid flow should go along the file, not atomize laterally

Ultrasound effects with acoustic micro-streaming and cavitation

Apply step back method (~ 4s. activation)



→ ESI-files (DT-069A)

Endo Soft Instrument (cleaning and irrigation of root canals)

Shall be used with Endochuck 90° or 120°

ISO 15, made of Nickel-Titanium, round safe tip

Marking on file should be visible when tightening the nut

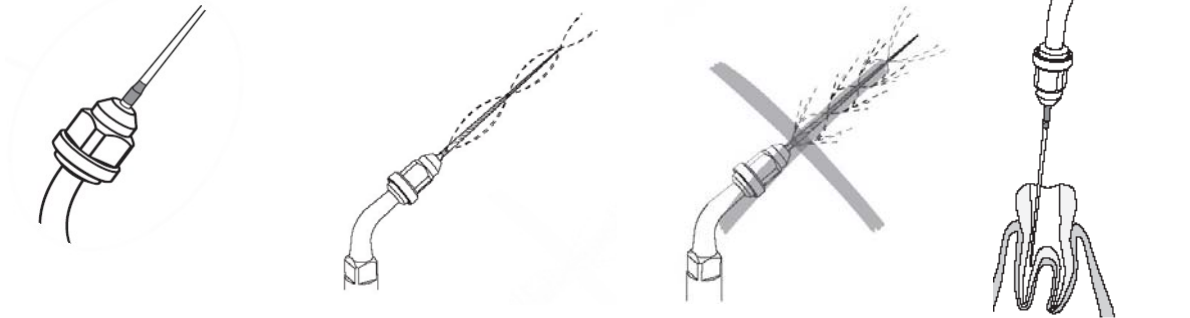
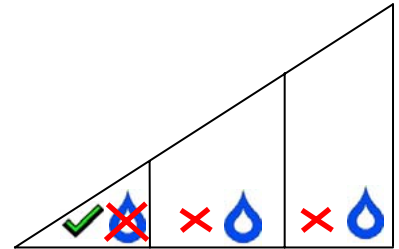
Liquid flow should go along the file, not atomize laterally

Ultrasound effects with acoustic micro-streaming and cavitation

Non-cutting file resulting in less deformation of root canals

Application: 3x 20s.

Durability: ~ 15 straight canals or 1 curved !



→ Instrument H (DS-004A)

Gutta-percha Condensation Instrument

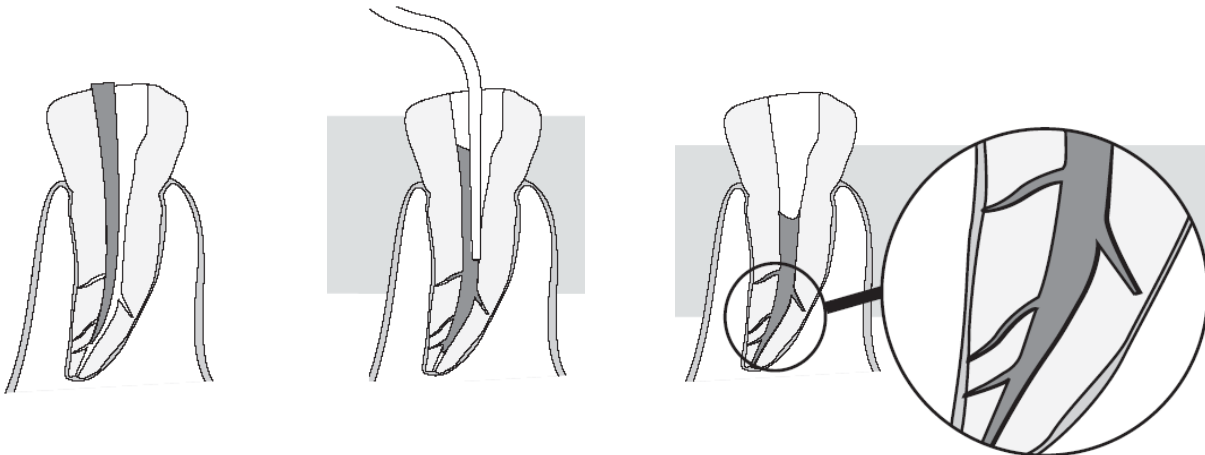
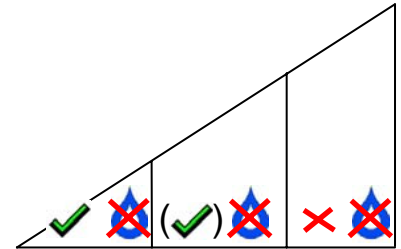
Post removal

Ultrasound vibration to maximize condensation in lateral root canals, similar to a plugger (lateral condensation)

Activation time: around 2 s.

No irrigation

Work from apical



→ Instrument RT2 (DS-067A)

Retreatment Instrument (Pre-Flaring)

Preparation of access for removal of broken files

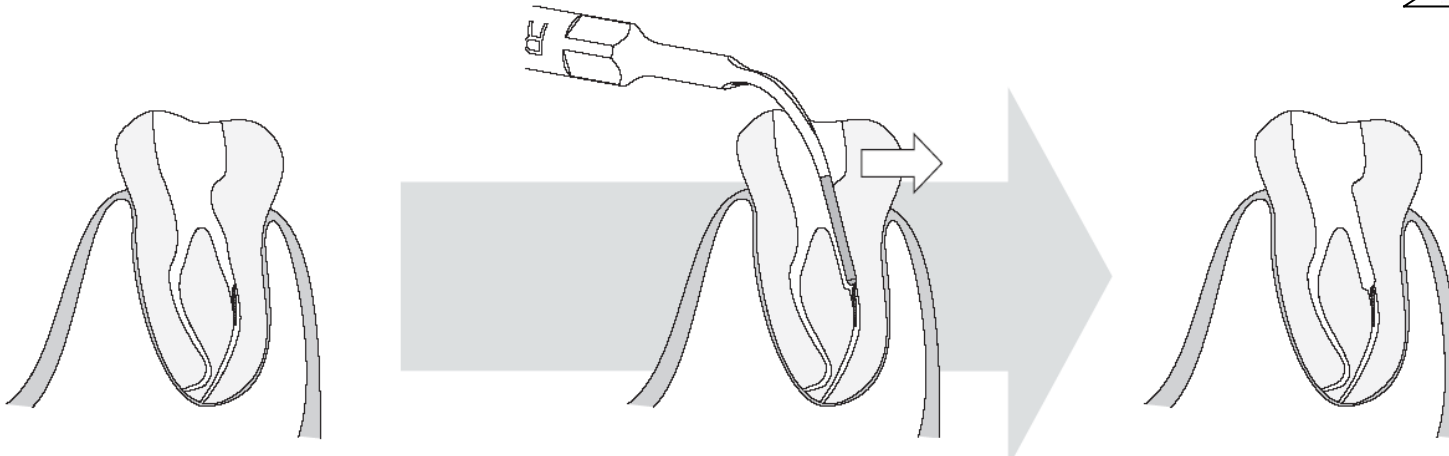
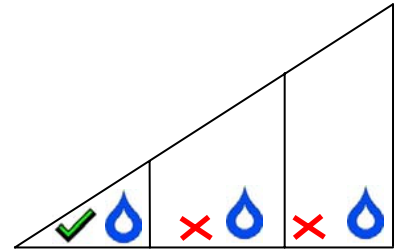
Diamond coated for high efficiency (70µm)

Fine cylindrical shape

No need to apply pressure on the instrument

Can be used in the middle third

Do not touch the broken file



→ Instrument RT3 (DT-062)

Broken Instrument Removal

Shall be used with Endochuck 180° or 120°

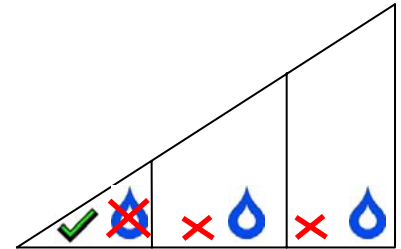
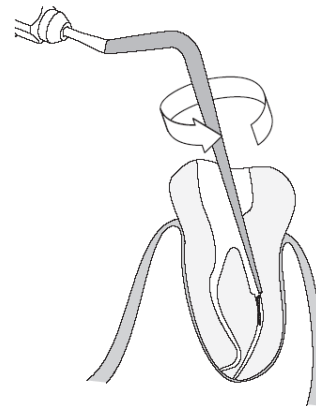
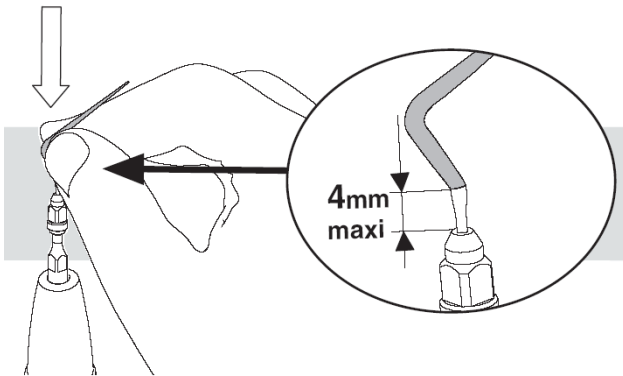
Leave 3-4mm between elbow and nut (see pic.)

Shall be used with counterclock rotation technique

Excellent visibility thanks to the thin shaft

Titanium alloy coating for high resistance

Avoid touching the broken file



→ Instrument Berutti (DT-060)

Retrograde Instrument for preparation of root canals

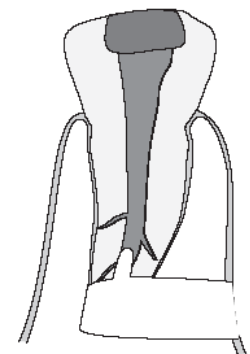
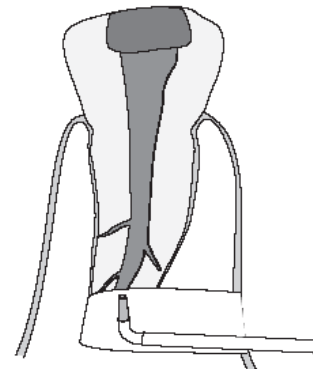
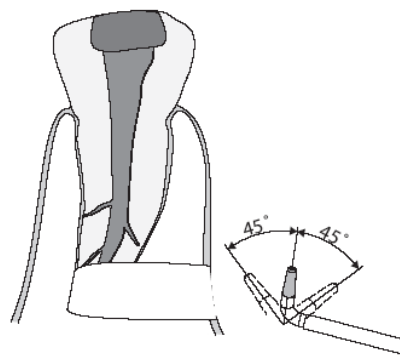
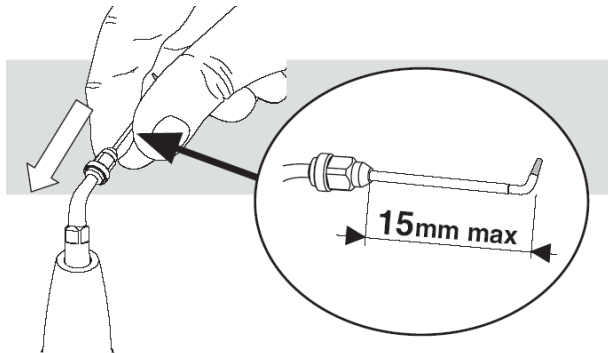
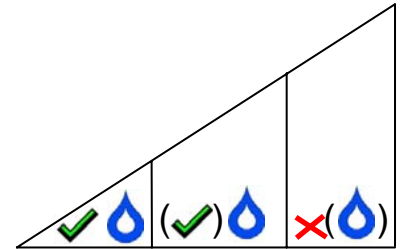
Shall be used with Endochuck 180° or 120°

Free length ~14-15mm (see pic.)

Diamond coating to allow tooth removal at low ultrasound power (~40µm)

Pre-bent instrument once if necessary

Shall be used after traditional apicoectomy



→ Instrument RE2 (DT-061)

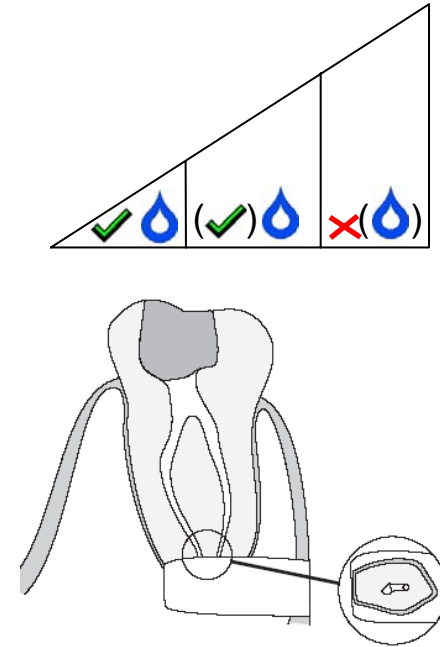
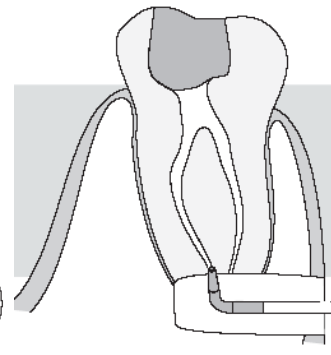
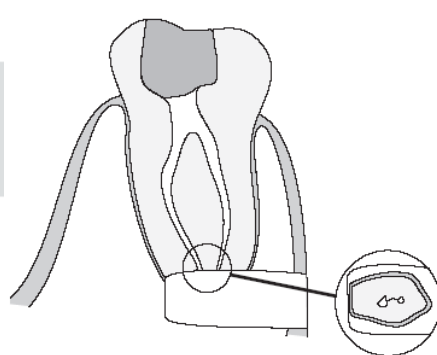
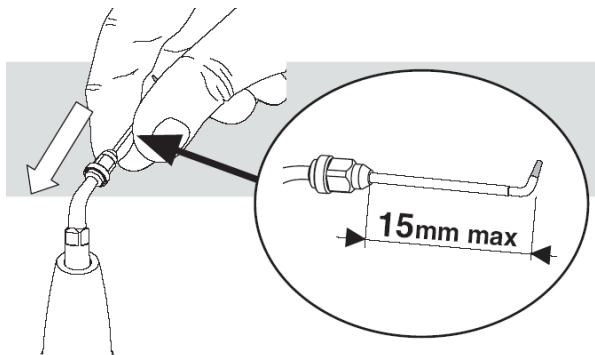
Isthmus Preparation Instrument

Shall be used with Endochuck 180° or 120°

Free length ~14-15mm (see pic.)

Titanium alloy coating for high resistance

Shall be used after traditional apicoectomy



→ Instrument D (DS-005A)

Bridge and Crown Removal Instrument

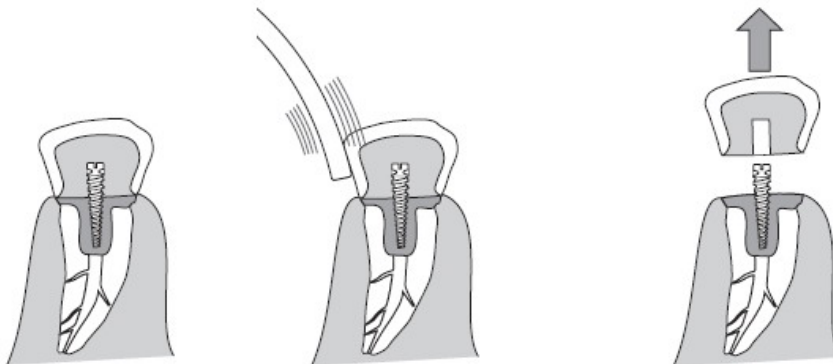
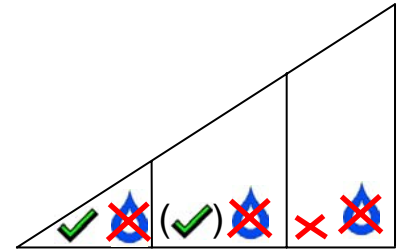
Powerfull instrument, might fracture ceramics

Transmit vibrations and breaks cement (only mechanical retention principle)

Do not work on adhesive bonded cements

Place instrument on metal surface

Activate ultrasound, increase pressure until no sound is audible, continue activation for 2 s.



→ Restorative

Approximal cavity preparation

Cavity margin

Buccal and occlusal defects

Cleaning and enlargement of fissures

Veneer preparation

Amalgam fillings condensation

Amalgam fillings finishing

Inlays and onlays cementation

→ General information

Natural diamond coated instruments ($\sim 70\mu\text{m}$)

Designed to ensure excellent visibility

To remove enamel and dentin through oscillations

Always to be used with irrigation

Large cavity shall be prepared with a burr

Exert moderate pressure on the instrument to allow vibrations to perform

No damage to adjacent tooth with half-coated instruments

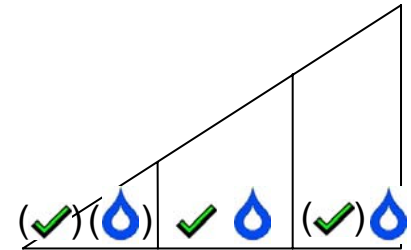
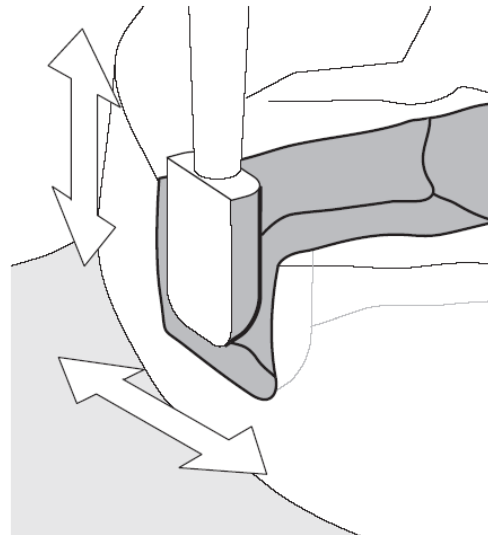
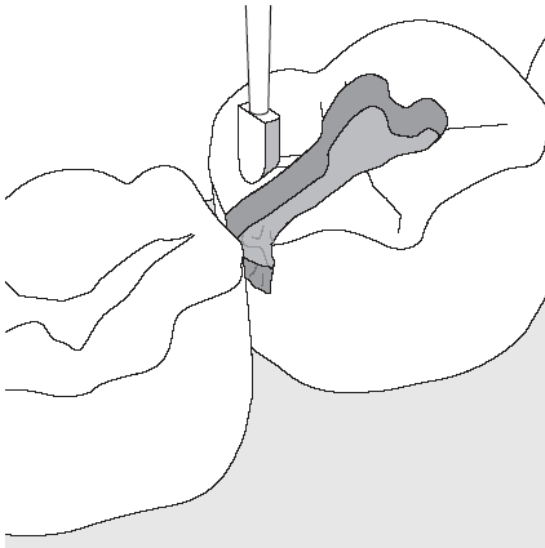
→ Instrument SM/SD (DS-051A/052A)

Small Mesial/Distal (approximal cavity preparation)

Ideal on molar teeth

Introduce from occlusal and prepare the cavity

Can be used for different filling materials

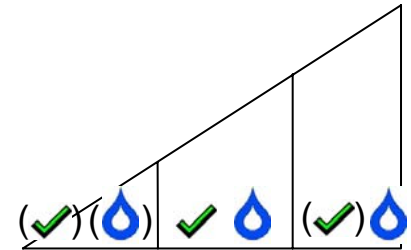
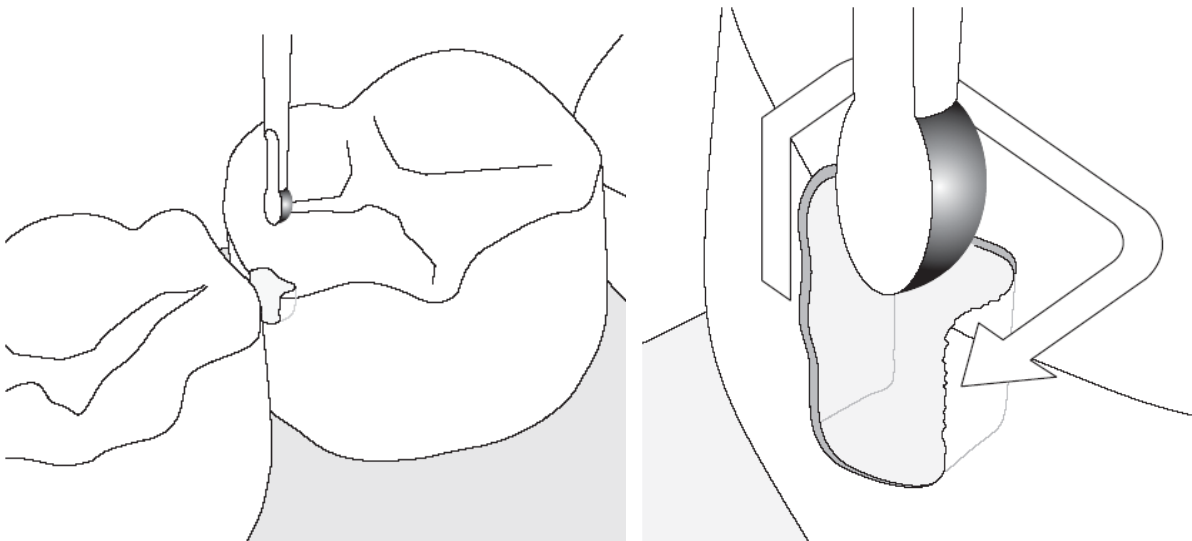


→ Instrument SBm/SBd (DS-060A/061A)

Small Ball mesial/distal (cavity margin)

Low power shall be applied

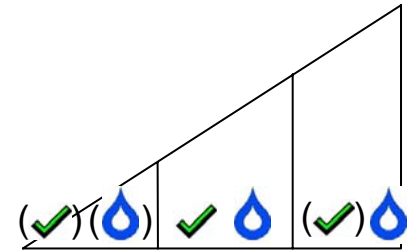
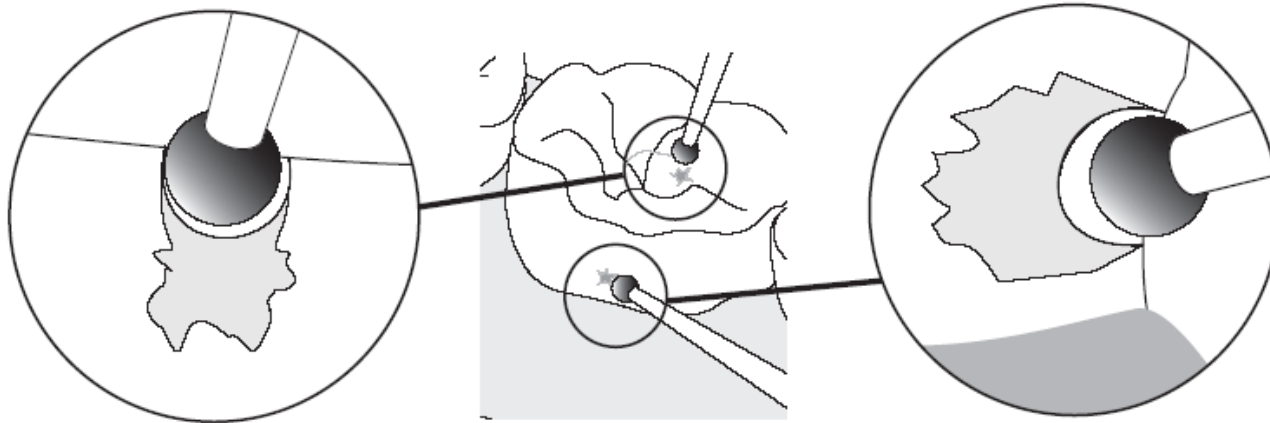
Move along the margin



→ Instrument SB (DS-057A)

Small Ball (buccal and occlusal defects)

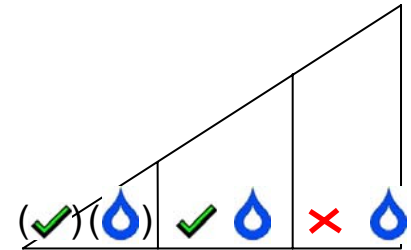
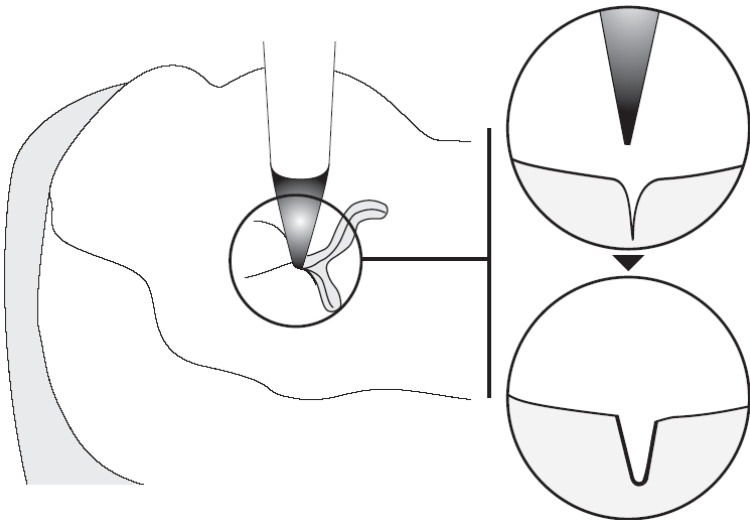
Move slowly into the defect



→ Instrument PF (DS-062A)

Pits and Fissures Preparation Instrument (cleaning and enlargement)

Move slowly with low pressure through the fissures

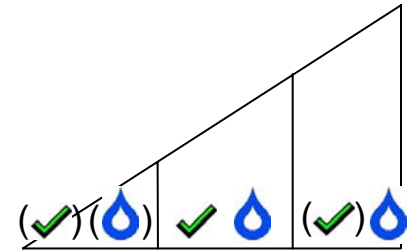
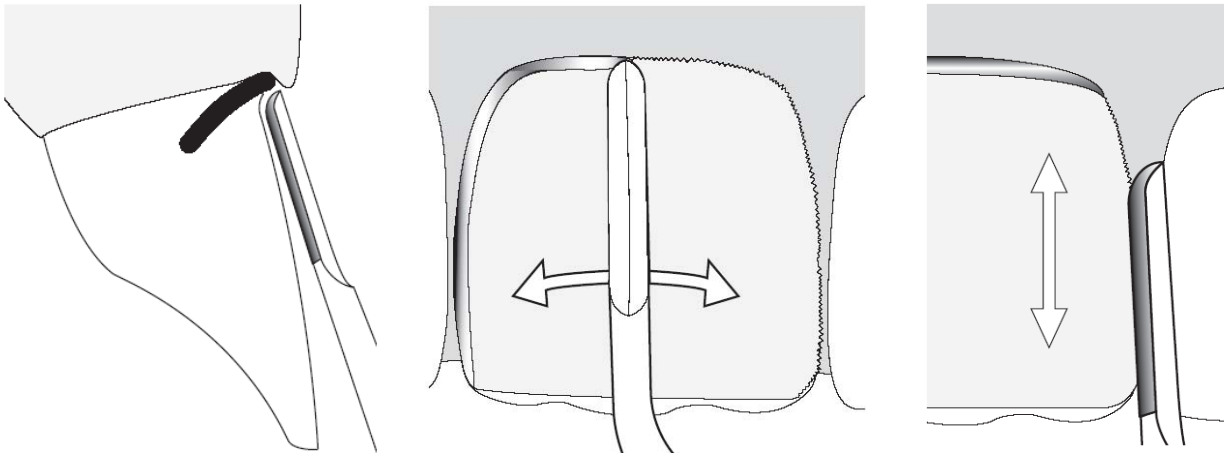


→ Instrument VE (DS-064A)

Veneer Preparation Instrument

Ideal for interproximal and gingival margins

Use medium pressure



→ Instrument E (DS-006A)

Condensation Instrument

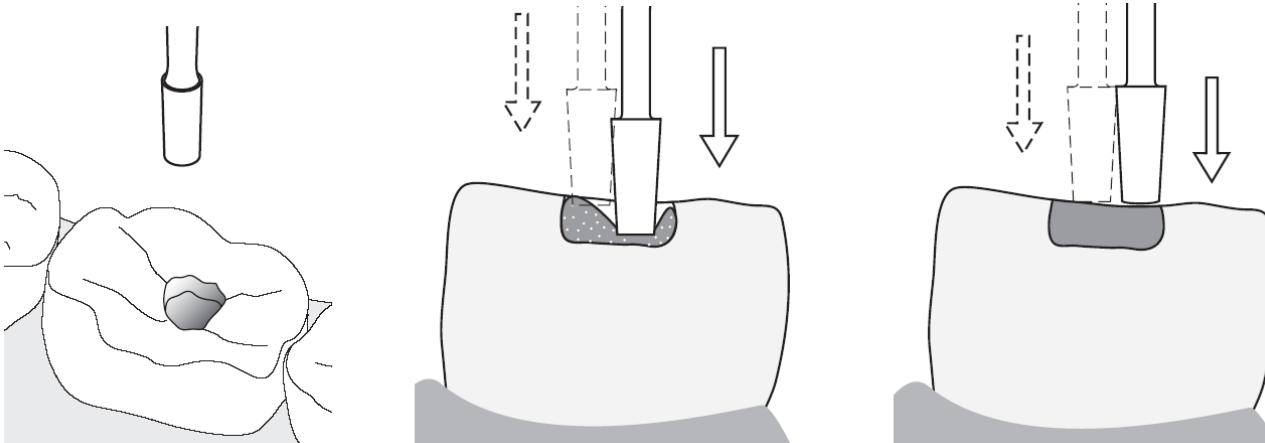
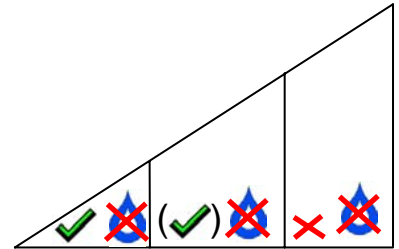
Not for metal/ceramic restorations

Dry amalgam mixture shall be used

For small cavities

Medium power, axis of instrument vertical to the cavity's floor

Footprints of the instrument should overlap



→ Instrument F (DS-007A)

Condensation Instrument

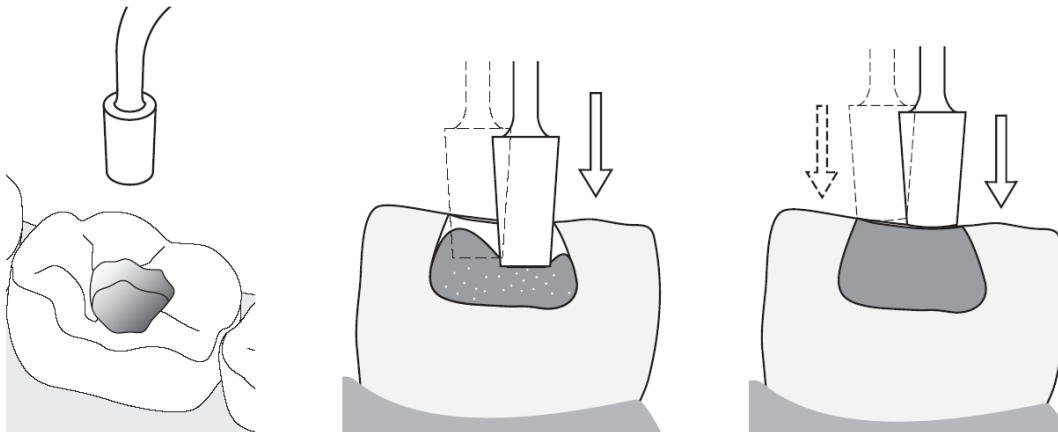
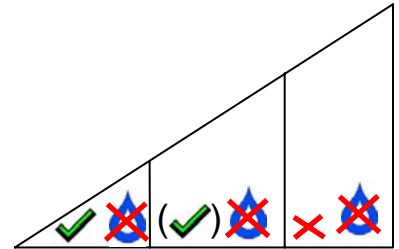
Not for metal/ceramic restorations

Dry amalgam mixture shall be used

For large cavities

Medium power, axis of instrument vertical to the cavity's floor

Footprints of the instrument should overlap

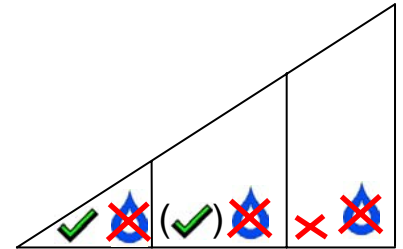
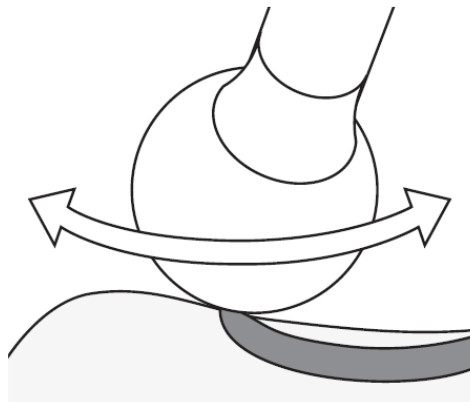
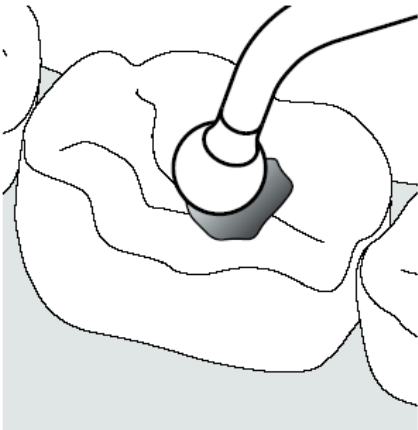


→ Instrument G (DS-008A)

Burnisher Instrument (finishing amalgam fillings)

Use to harden and burnish the margin

Move the tip from the centre toward the margin



→ Instrument SP (DS-015A)

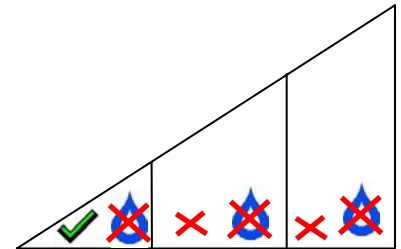
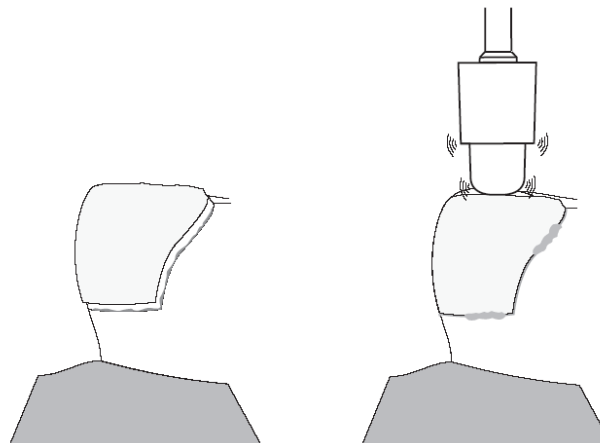
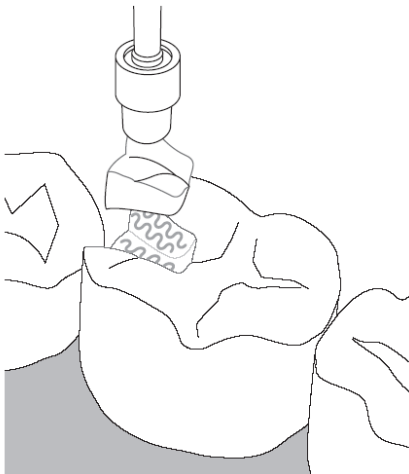
Cementation Instrument (inlays and onlays)

Cap: EL-063, tighten by hand

Shall be used for periods up to 3 s.

Ideal for large restorations in combination with dual-curing cements (thixotropic, liquefies with ultrasound)

Apply instrument on inlay, onlay or veneer with minimum pressure



→ Material

1. FA-221: 16 pages brochure including Tip Card (FA-125)
2. FB-208: Operating instructions / Perio Master Systems
3. FB-209: Operating instructions / Scaling Master Systems
4. FB-210: Operating instructions / Endo Master Systems
5. FB-211: Operating instructions / Restorative Master Systems
6. FB-439: Operating instructions / Piezon Instruments (all)
7. FB-358: Reprocessing instructions
8. MC-11NA13: Instrument displayer (pyramid)
9. MC-11NA14: Instrument wallet



→ Contact

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Product Manager – Dental

E.M.S. Electro Medical Systems S.A.

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Fax. +41 22 99 42 699

e-mail: emerlin@ems-ch.com

→ History

v. 1.0	October 2007	Document creation
v. 2.0	January 2009	Power/Liquid parameters updated
v. 2.1	January 2009	Small corrections, settings at a glance added
v. 2.2	Mai 2009	Manual ref. added

ΝΟΜΙΖΕΤΕ ΟΤΙ ΕΙΜΑΣΤΕ ΑΚΡΙΒΟΙ; ΞΑΝΑΣΚΕΦΤΕΙΤΕ ΤΟ!

ORIGINAL
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METHOD

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ΚΑΤΑΜΗΛΟ
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ΓΝΩΡΙΖΕΤΕ ΟΤΙ:

- ΤΑ ΑΥΘΕΝΤΙΚΑ ΞΕΣΤΡΑ EMS ΣΑΣ ΚΟΣΤΙΖΟΥΝ

ΑΠΟ **0,03 €** ΕΩΣ **0,05 €**

ΑΝΑ ΘΕΡΑΠΕΙΑ

ΔΗΛΑΔΗ ΟΣΟ ΚΑΙ ΟΙ ΑΠΟΜΙΜΗΣΕΙΣ
ΟΙ ΟΠΟΙΕΣ ΑΝΤΕΧΟΥΝ ΛΙΓΟΤΕΡΟ

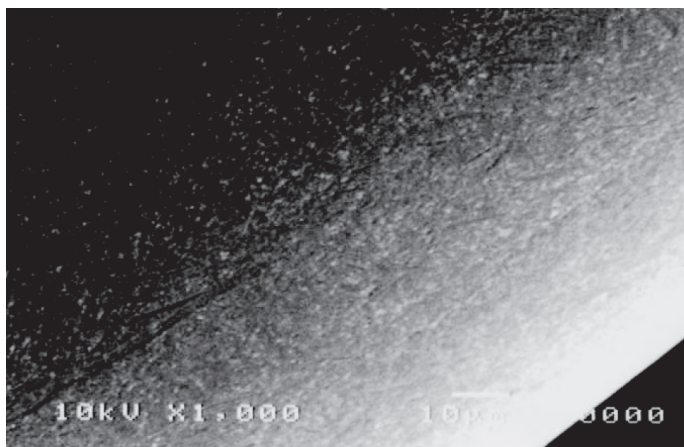
- ΜΕ ΤΑ ΑΥΘΕΝΤΙΚΑ ΞΕΣΤΡΑ ΔΟΥΛΕΥΕΤΕ

ΜΕΧΡΙ ΚΑΙ **25%** ΠΙΟ ΓΡΗΓΟΡΑ
ΑΠΟ ΟΤΙ ΜΕ ΤΙΣ ΑΠΟΜΙΜΗΣΕΙΣ

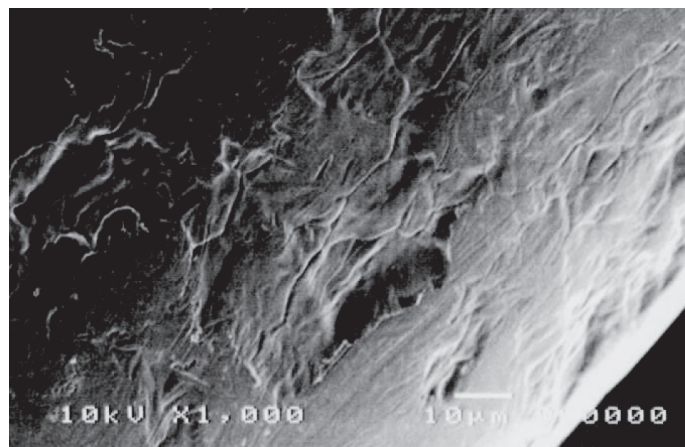
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ΚΑΤΑΣΤΡΕΦΕΤΕ
ΤΙΣ ΓΝΗΣΙΕΣ ΧΕΙΡΟΛΑΒΕΣ ΣΑΣ

ΓΝΗΣΙΟ ΞΕΣΤΡΟ EMS



ΑΠΟΜΙΜΗΣΗ ΞΕΣΤΡΟΥ EMS

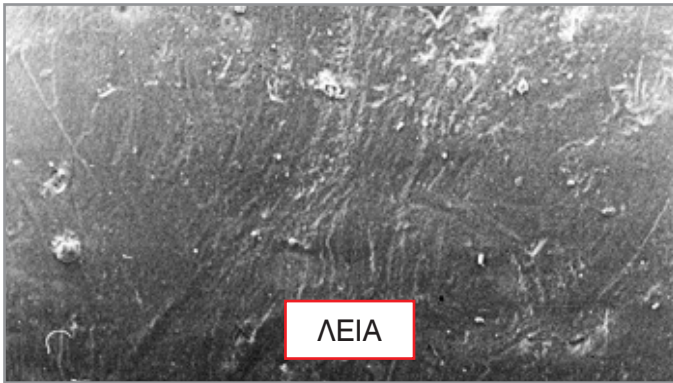


ΠΙΣΤΕΥΕΤΕ ΑΚΟΜΑ ΟΤΙ ΟΙ ΑΠΟΜΙΜΗΣΕΙΣ ΣΑΣ ΚΟΣΤΙΖΟΥΝ ΛΙΓΟΤΕΡΟ;

Η ΑΥΘΕΝΤΙΚΗ ΠΟΙΟΤΗΤΑ ΚΑΝΕΙ ΤΗ ΔΙΑΦΟΡΑ

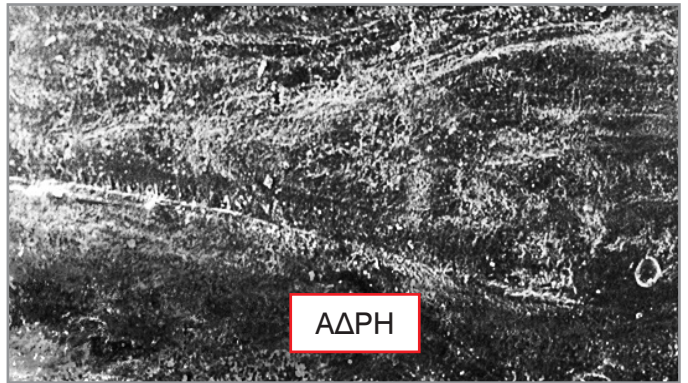
**ORIGINAL
PIEZON®
METHOD**

ΕΠΙΦΑΝΕΙΑ ΔΟΝΤΙΟΥ ΕΠΕΞΕΡΓΑΣΜΕΝΗ ΜΕ ΤΗΝ ΑΥΘΕΝΤΙΚΗ ΜΕΘΟΔΟ PIEZON® ΚΑΙ ΓΝΗΣΙΟ ΞΕΣΤΡΟ EMS



ΛΕΙΑ

ΕΠΙΦΑΝΕΙΑ ΔΟΝΤΙΟΥ ΕΠΕΞΕΡΓΑΣΜΕΝΗ ΜΕ ΑΠΟΜΙΜΗΣΗ ΞΕΣΤΡΟΥ EMS



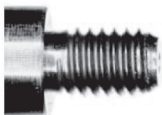
ΑΔΡΗ

Οι απομιμήσεις δεν είναι όπως τα γενόσημα φάρμακα!

ΓΝΗΣΙΑ ΞΕΣΤΡΑ EMS

- Υψηλής ποιότητας χειρουργικό ατσάλι, κράματα αποκλειστικά για την **EMS**
- Σύνθετη διαδικασία κατασκευής με περισσότερα από 31 στάδια παρασκευής
- Αναπαραξίμη συμπεριφορά ταλάντωσης λόγω της μεγάλης ακρίβειας στην κατασκευή
- Εξαιρετικά ομαλή επιφάνεια, λόγω της ιδιαίτερης διαδικασίας λείανσης για μεγάλη διάρκεια των ξέστρων και γρηγορότερη θεραπεία

«ΓΙΑΤΙ Η ΑΥΘΕΝΤΙΚΗ ΠΟΙΟΤΗΤΑ ΚΑΝΕΙ ΤΗ ΔΙΑΦΟΡΑ»



Με τα γνήσια ξέστρα **EMS** η χειρολαβή λειτουργεί απρόσκοπτα για πολλά χρόνια



Οι απομιμήσεις φθείρουν το σπείρωμα μειώνοντας τη διάρκεια ζωής της χειρολαβής

ΑΠΟΜΙΜΗΣΕΙΣ

- Τα αντίγραφα είναι φτηνές απομιμήσεις των αυθεντικών ξέστρων και δεν πληρούν τα στάνταρ ποιότητας της **EMS**
- Καταστρέφουν το κούμπωμα της χειρολαβής και την αχρηστεύουν
- Η απώλεια ισχύος στο άκρο του ξέστρου μειώνει την αποτελεσματικότητα της θεραπείας και επιμηκύνει τη διάρκεια της ανεβάζοντας το κόστος της
- Η θεραπεία είναι δυσάρεστη για τον ασθενή λόγω της ανεξέλεγκτης ταλάντωσης του ξέστρου αλλά και της πίεσης που ασκείται από το χρήστη για την εξισορρόπηση της απώλειας ισχύος στο άκρο του
- Κατασκευάζονται από υλικά πιο σκληρά από την αδαμαντίνη με αποτέλεσμα να προκαλούν ανεπανόρθωτες φθορές στην επιφάνεια του δοντιού καθιστώντας τη θεραπεία επίπονη για τον ασθενή
- Η χρήση απομιμήσεων ακυρώνει την εγγύηση καλής λειτουργίας της συσκευής του κατασκευαστή

«ΓΙΑΤΙ ΤΟ ΦΤΗΝΟ ΜΠΟΡΕΙ ΤΕΛΙΚΑ ΝΑ ΕΙΝΑΙ ΑΚΡΙΒΟ»

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