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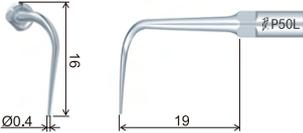
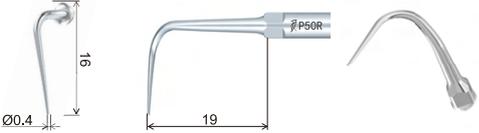
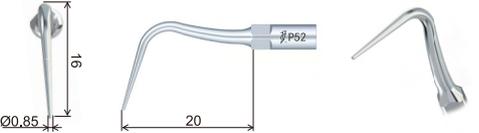
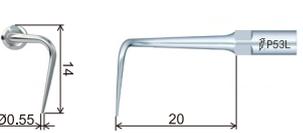
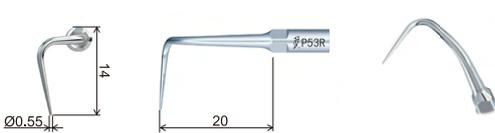
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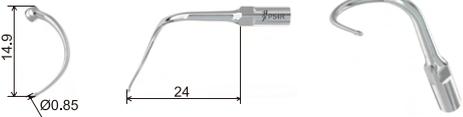
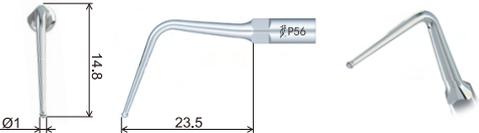
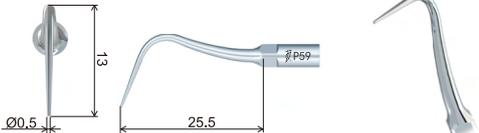
# TIP BOOK



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## Periodontal treatment device

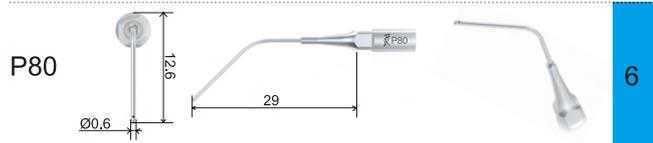
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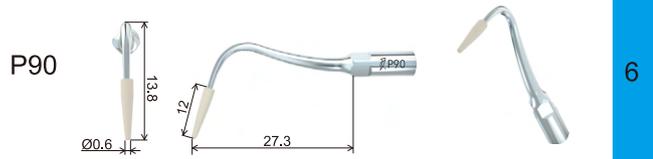
# Periodontal treatment device

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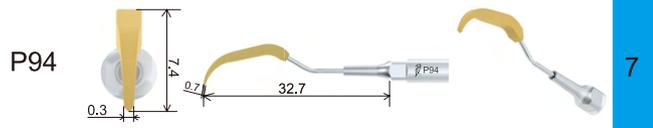
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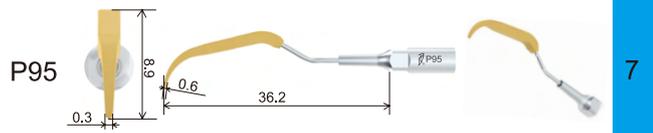
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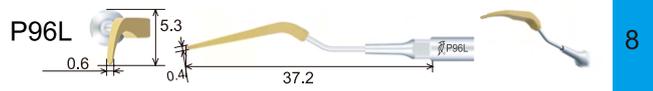
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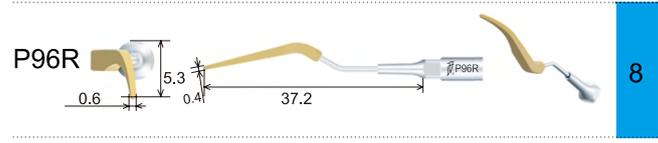


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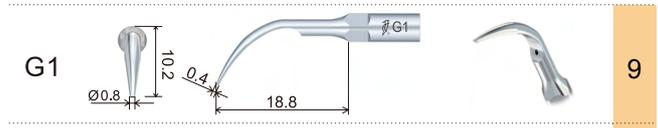
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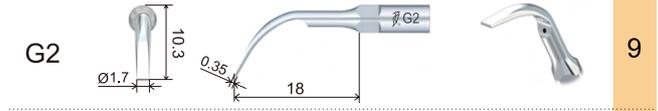


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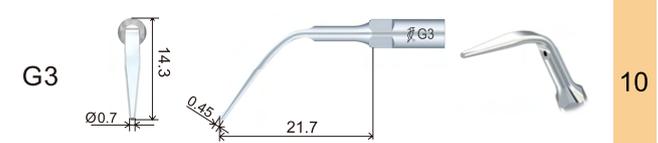
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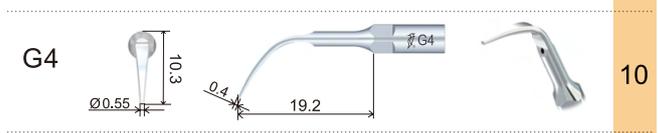
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# Cavity preparation

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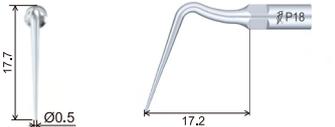
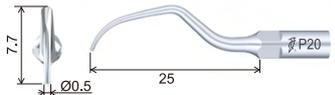
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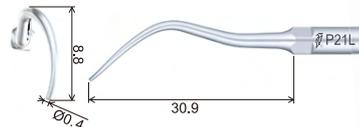
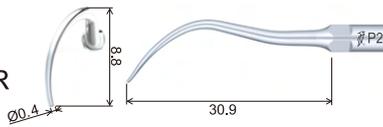
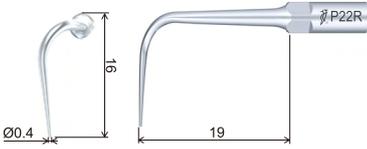
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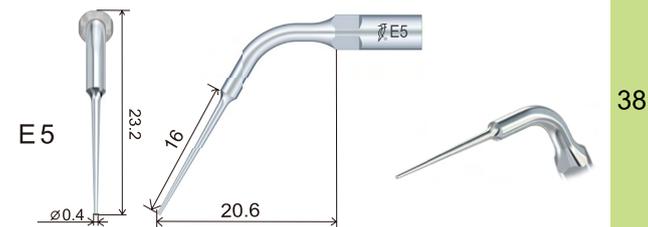
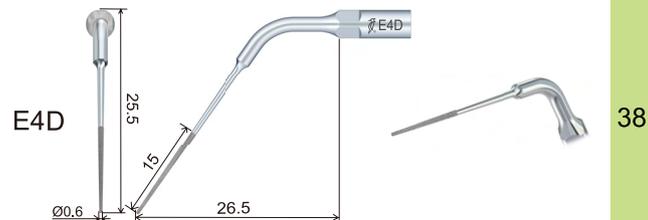
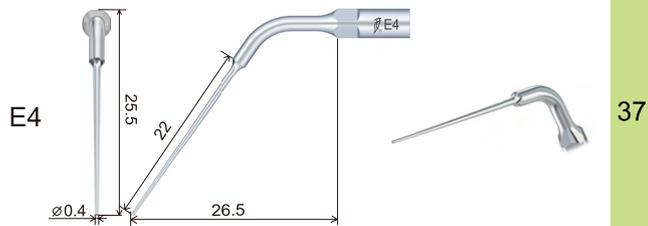
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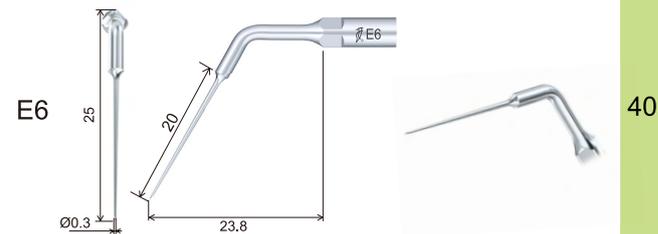
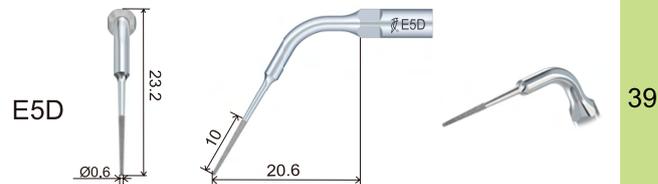
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Model Page



Dimensions Unit: mm

Model Page



# Endodontics

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## Scaling

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## Periodontics

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## Scaling

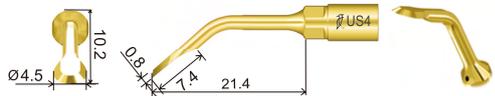
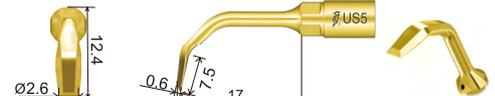
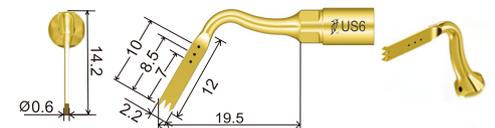
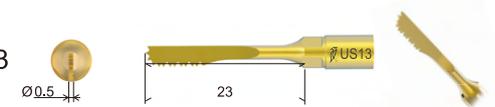
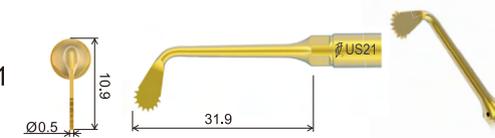
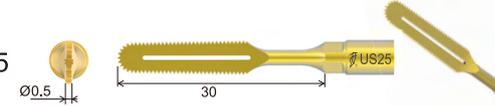
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## Bone surgery

Dimensions Unit: mm

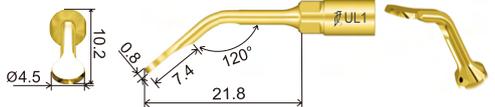
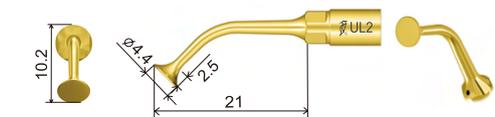
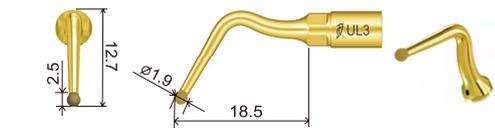
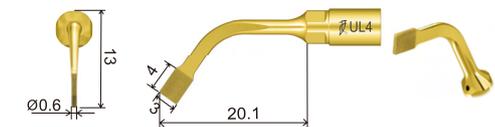
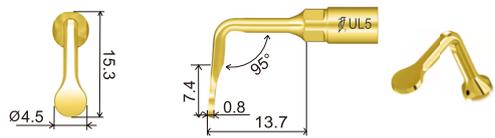
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# Bone surgery

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# Sinus lifting

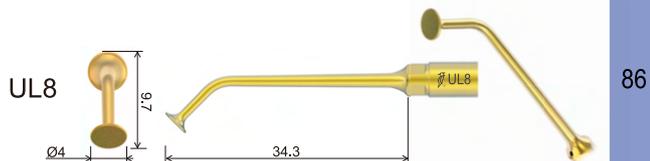
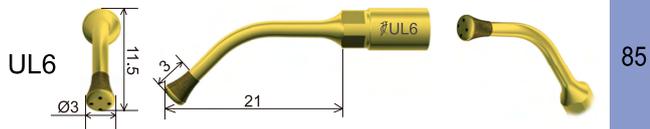
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## Sinus lifting

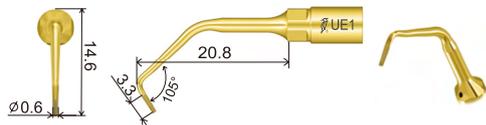
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## Endodontics

UE1

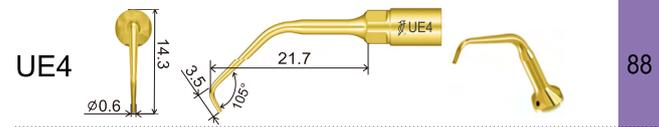
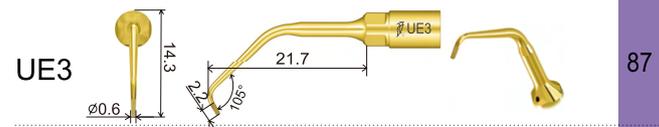
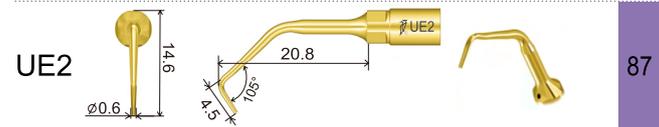


## Endodontics

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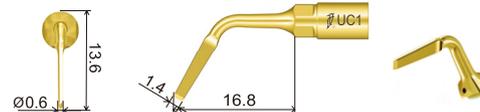
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## Exelcymosis

UC1



UC2



# Exelcymosis

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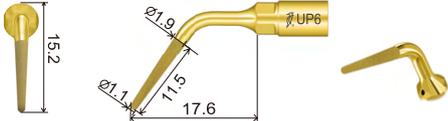
Periodontal surgery

Dimensions Unit: mm

Model

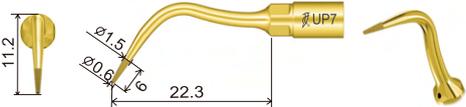
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UP6



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UP7



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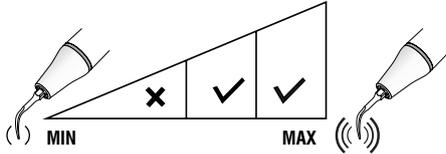
**SPOILING YOU  
SO MUCH!**



# Ultrasonic scaler Tip

**MODE : X**

**POWER**



Meaning of the above symbols:

Mode X indicates that the tip should be used in X mode of the scaler.

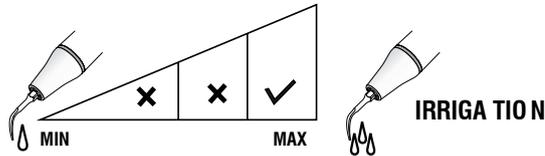
**Power**

The first grid indicates that the power is 0-30% of the power in the X mode of the scaler.

The second grid indicates that the power is 30% -60% of the power in the X mode of the scaler.

The third grid indicates that the power is 60% -100% of the power in the X mode of the scaler.

Meaning of the above symbols:



**Water volume**

The first grid indicates that the water volume is 0-30%.

The second grid indicates that the water volume is 30% -60%.

The third grid indicates that the water volume is 60% -100%.

# Special design for periodontal treatment device

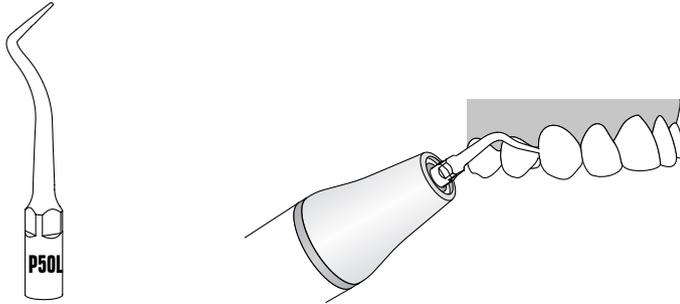
## P50L

Volume of water: Ensure the cooling water reach the end of the tip.

Functional Description: Explore subgingival calculus, root planing and subgingival scaling.

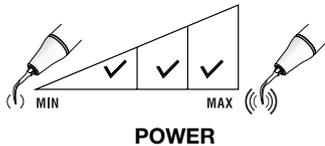
Applicable area: Teeth adjacent part

Operation method: The tip is perpendicular to the long axis of the tooth, The front or back 2mm tip needle part adapt the tooth surface. Move the tip up and down.



Demo Video

MODE: P



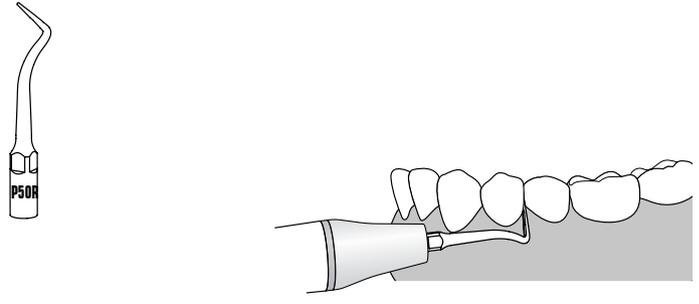
## P50R

Volume of water: Ensure the cooling water reach the end of the tip.

Functional Description: Explore subgingival calculus, root planing and subgingival scaling.

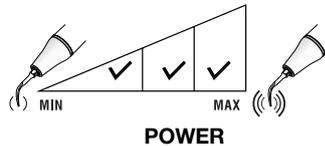
Applicable area: Teeth adjacent part

Operation method: The tip is perpendicular to the long axis of the tooth, The front or back 2mm tip needle part adapt the tooth surface. Move the tip up and down.



Demo Video

MODE: P



# Special design for periodontal treatment device

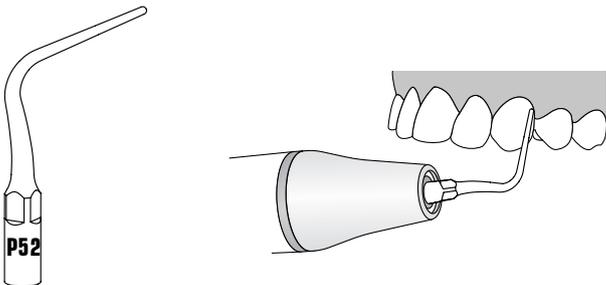
## P52

Volume of water: Ensure the cooling water reach the end of the tip

Functional Description: For gingival scaling

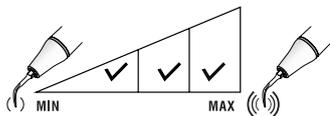
Applicable area: All teeth buccal and lingual site

Operation method: The tip is parallel to the long axis of the tooth, and ensure the 2 mm right or left tip middle site adapt the tooth surface. Move the tip front and back.

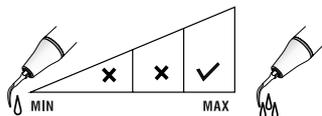


Demo Video

MODE: P



POWER



IRRIGATION

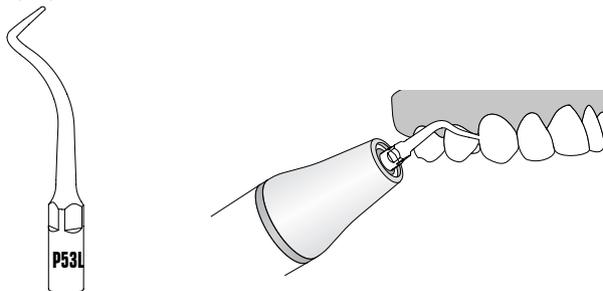
## P53L

Volume of water: Ensure the cooling water reach the end of the tip.

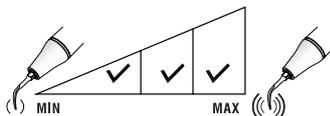
Functional Description: Explore subgingival calculus, root planing and subgingival scaling.

Applicable area: Teeth adjacent part

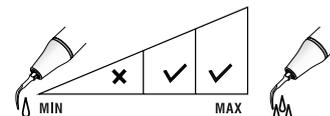
Operation method: The tip is perpendicular to the long axis of the tooth, The front or back 2mm tip needle part adapt the tooth surface. Move the tip up and down.



MODE: P



POWER



IRRIGATION

# Special design for periodontal treatment device

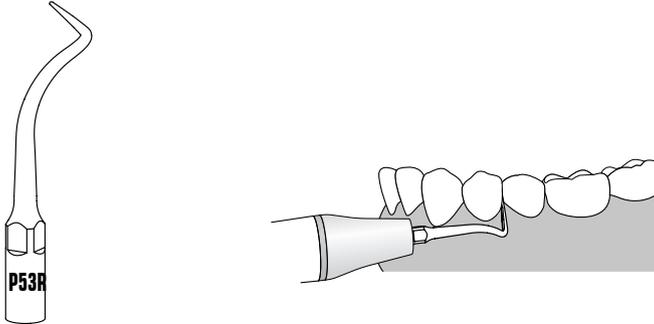
## P53R

Volume of water: Ensure the cooling water reach the end of the tip.

Functional Description: Explore subgingival calculus, root planing and subgingival scaling.

Applicable area: Teeth adjacent part

Operation method: The tip is perpendicular to the long axis of the tooth, The front or back 2mm tip needle part adapt the tooth surface. Move the tip up and down.

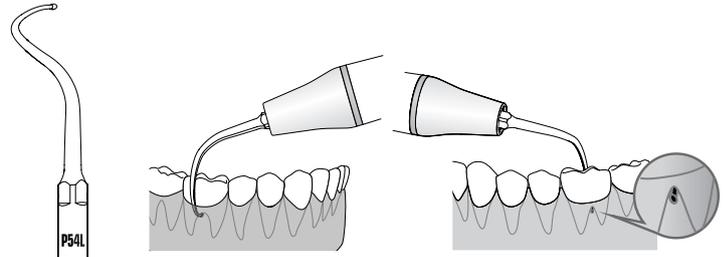


## P54L

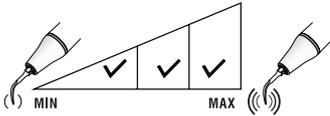
Water volume control: Ensure that the cooling water reaches the end of the tip

Function: For the treatment of root bifurcation area.

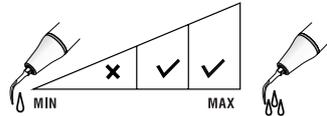
Applicable area: Root bifurcation area



MODE: P

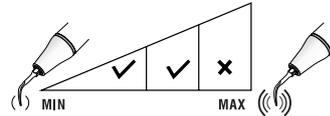


POWER

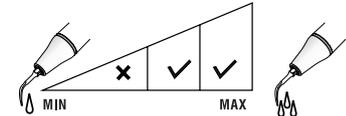


IRRIGATION

MODE: P



POWER



IRRIGATION

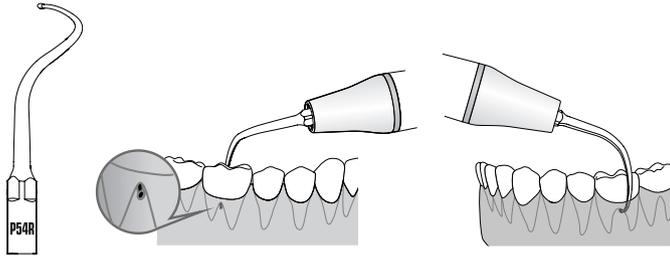
# Special design for periodontal treatment device

## P54R

Water volume control: Ensure that the cooling water reaches the end of the tip

Function: For the treatment of root bifurcation area.

Applicable area: Root bifurcation area



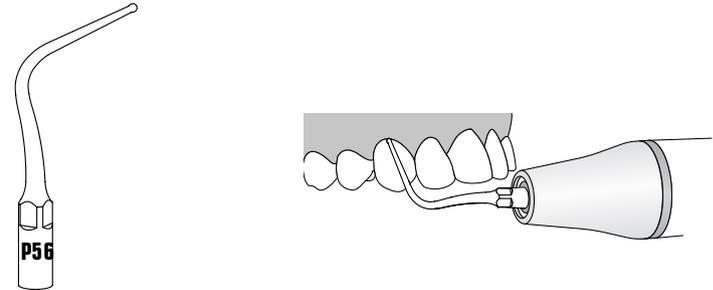
## P56

Volume of water: Ensure the cooling water reach the end of the tip

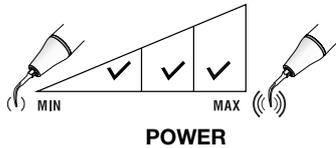
Functional Description: Used for gingival large stones and dental plaque

Applicable area: All teeth buccal and lingual site.

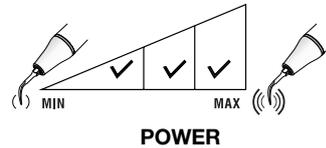
Operation method: The tip is parallel to the long axis of the tooth. and ensure the 2 mm right or left tip middle site adapt the tooth surface. Move the tip front and back.



MODE: P



MODE: P



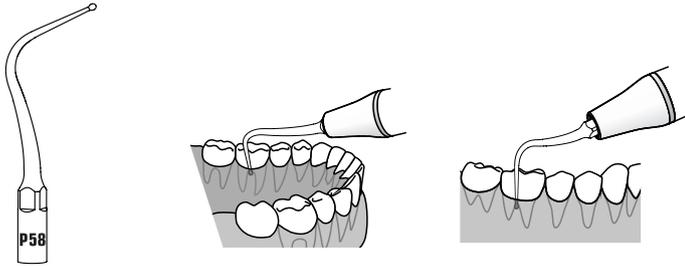
# Special design for periodontal treatment device

## P58

Water volume control: Ensure that the cooling water reaches the end of the tip.

Function: For the treatment of root bifurcation, removal of supragingival large calculus and plaque.

Applicable area: root bifurcation area, labial (buccal) surface and lingual (palatal) surface of all teeth.



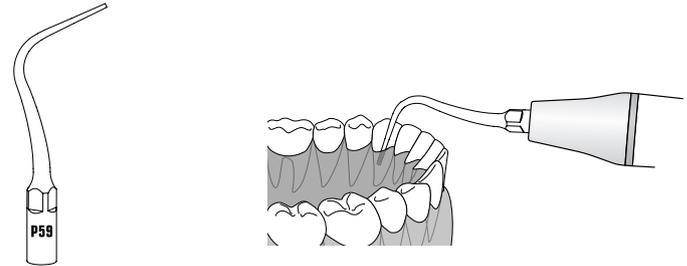
## P59

Volume of water: Ensure the cooling water reach the end of the tip

Functional Description: For subgingival calculus probing, subgingival scaling and root planing

Applicable area: All teeth buccal and lingual site

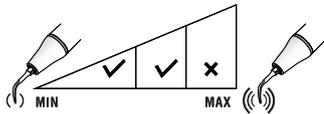
Operation method: The tip is parallel to the long axis of the tooth. and ensure the 2 mm right or left tip middle site adapt the tooth surface. Move the tip front and back.



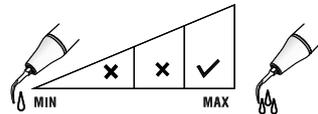
Demo Video

MODE: P

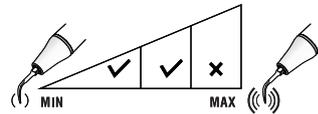
MODE: P



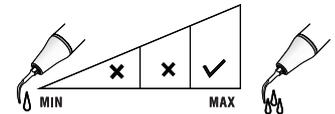
POWER



IRRIGATION



POWER



IRRIGATION

# Special design for periodontal treatment device

## P80

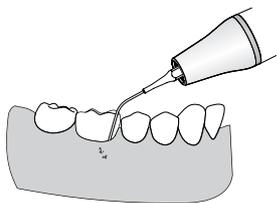
**Function:** For subgingival irrigation. It is mainly used to rinse out the residue after the subgingival treatment.

**Features:** For non-invasive irrigation. The water outlet is at about 1mm from the tip, which is convenient for subgingival flushing at different areas and angles.

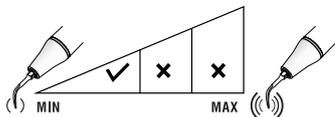
**Use:** Used in P mode of PT5. Recommended power level: level 1~5 (Please do not exceed the recommended maximum power level. Otherwise instrument fracture is easy to happen).

**Note:**

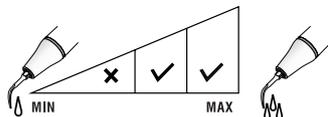
- (1) The tip is mainly used for subgingival irrigation, and should not be used for scraping solid objects as much as possible to prevent the tip from being worn too fast and shortening the service life.
- (2) In order to ensure the safety, it is recommended to firstly perform the external debugging, select debugging water volume under power level 1, ensure the water output is normal, and adjust the power within the range of power level limit.



**MODE: P**



**POWER**



**IRRIGATION**

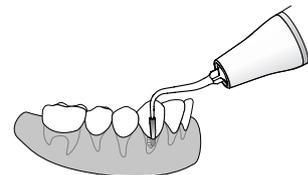
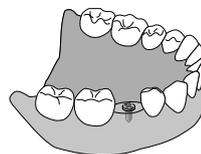
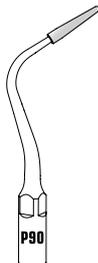
## P90

**Volume of water:** Ensure the cooling water reach the end of the tip

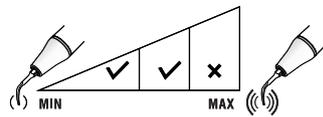
**Functional Description:** Used for gingival large stones and dental plaque  
**Applicable area:** All teeth buccal and lingual site of dental implant or prosthesis.

**Operation method:** The tip is parallel to the long axis of the tooth, and ensure the 2 mm right or left tip middle site adapt the tooth surface. Move the tip front and back.

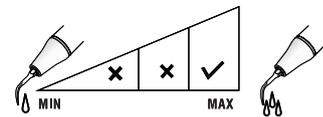
**Warn:** Please ensure that there is water coming out from the handpiece to avoid damage to the tip.



**MODE: P**



**POWER**



**IRRIGATION**

# Special design for periodontal treatment device

## P94

Function: Cleaning and maintenance of implant

Size: Plastic head is of 15mm length

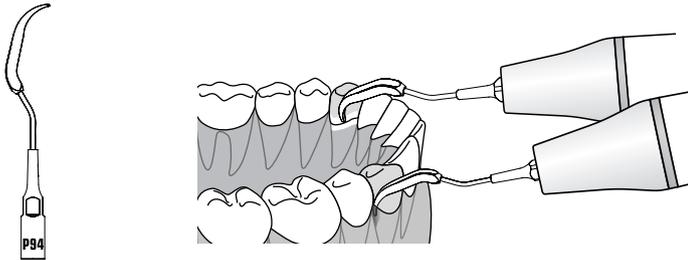
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.

Use:

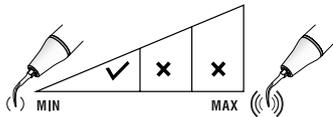
- a. Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~3.
- b. Used in P mode of U600. Recommended power level: level 1
- c. Used in P mode of U6. Recommended power level: level 1~3.

Note:

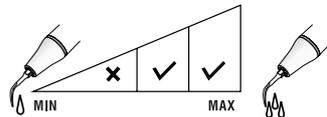
- (1) The plastic part is made of PEEK material which can be disinfected under high temperature and high pressure, the higher the power, the easier it is to wear;
- (2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



**MODE: P**



**POWER**



**IRRIGATION**

## P95

Function: Cleaning and maintenance of implant

Size: Plastic head is of 19mm length

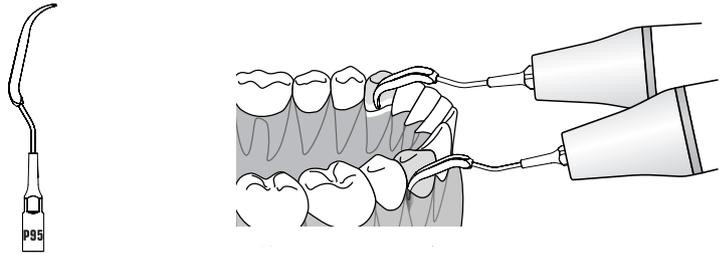
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.

Use:

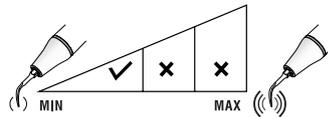
- a. Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~6.
- b. Used in P mode of U600. Recommended power level: level 1~3
- c. Used in P mode of U6. Recommended power level: level 1~6.

Note:

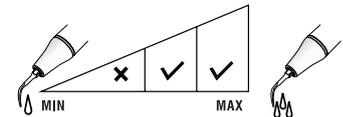
- (1) The plastic part is made of PEEK material which can be disinfected under high temperature and high pressure, the higher the power, the easier it is to wear;
- (2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



**MODE: P**



**POWER**



**IRRIGATION**

# Special design for periodontal treatment device

## P96L

Function: used for cleaning and maintenance of dental implants. Plastic head length: 21mm.

Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part.

The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.

Use:

Used in P mode of Periodontal Treatment Device; recommended power level: level 1~5

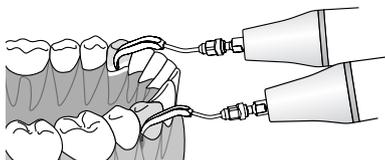
Used in P mode of U600; recommended power level: level 1~2

Used in P mode of U6; recommended power level: level 1~4

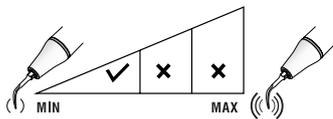
Used in P mode of ordinary scalers; recommended power level: low (level 1~3)

Note:

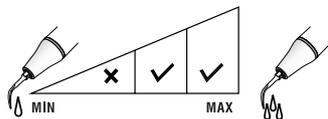
- (1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
- (2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
- (3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.



MODE: P



POWER



IRRIGATION

## P96R

Function: implant maintenance tip installed on PD40 adapter to realize the cleaning and maintenance of dental implants.

Plastic head length: 21mm

Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part.

The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.

Use:

Used in P mode of Periodontal Treatment Device; recommended power level: level 1~5

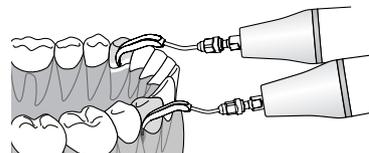
Used in P mode of U600; recommended power level: level 1~2

Used in P mode of U6; recommended power level: level 1~4

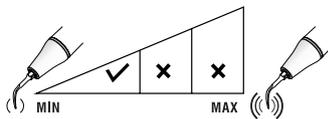
Used in P mode of ordinary scalers; recommended power level: low (level 1~3)

Note:

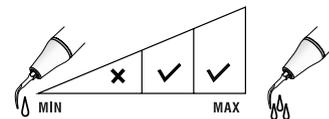
- (1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
- (2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
- (3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.



MODE: P



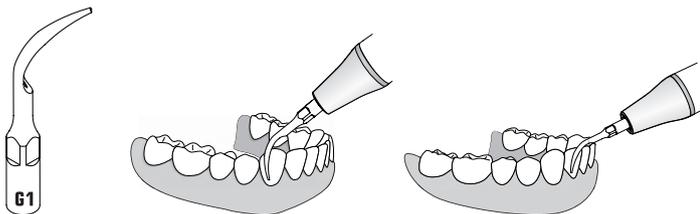
POWER



IRRIGATION

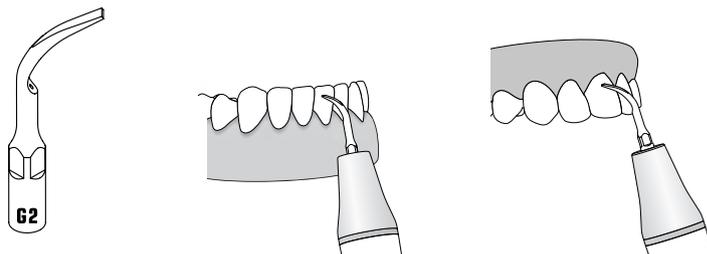
# G1 (GD1/GS1)

Removal of supragingival deposits in all quadrants.



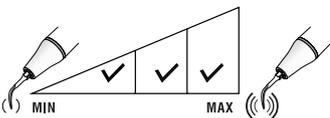
# G2 (GD2/GS2)

Removal of heavy supragingival deposits.  
Apply flat end to surface of teeth.

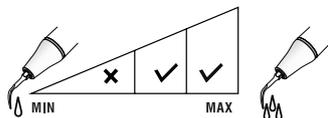


Demo Video

MODE: G



POWER

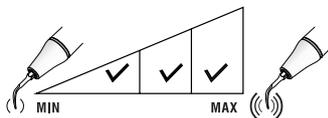


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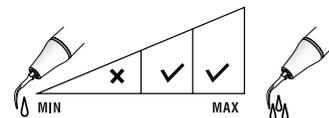


Demo Video

MODE: G



POWER



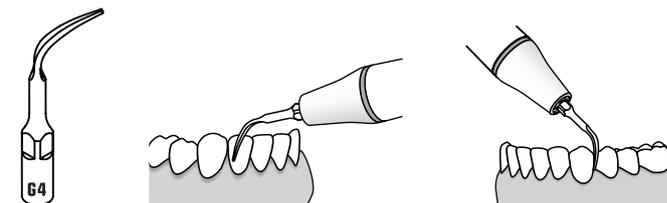
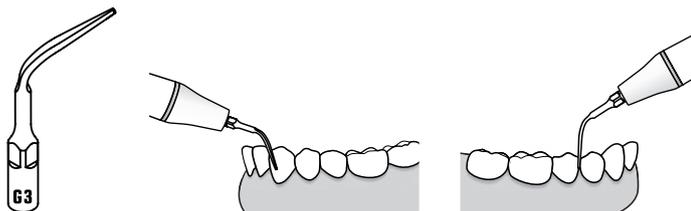
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## G3 (GD3/GS3)

Removal of supragingival deposits in all quadrants, including the interproximal and sulcus areas.

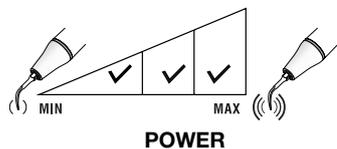
## G4 (GD4/GS4)

Recommended for the treatment of interproximal spaces and for supragingival scaling.



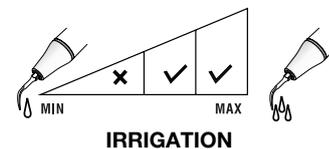
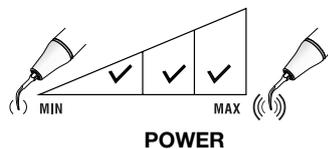
Demo Video

MODE: G



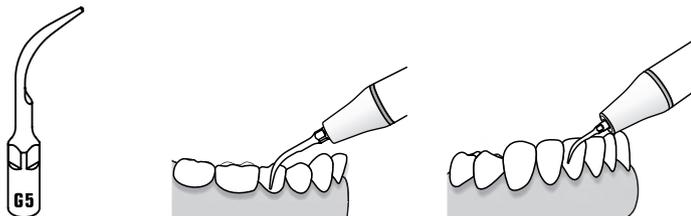
Demo Video

MODE: G



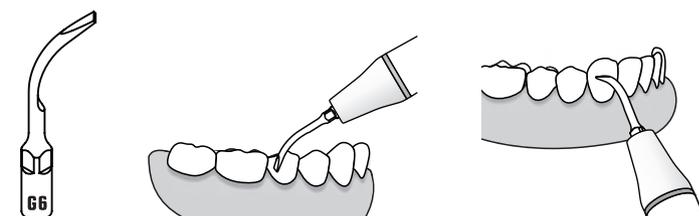
## G5 (GD5/GS5)

Recommended for treating simple cases and gross supragingival scaling.



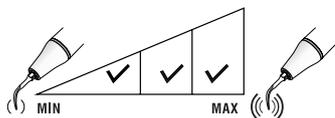
## G6 (GD6/GS6)

Recommended for removing voluminous supragingival deposits. Apply flat end to surface of teeth.

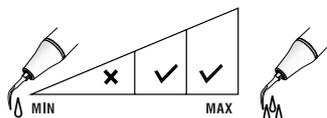


Demo Video

**MODE: G**



**POWER**

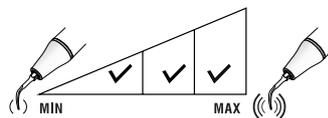


**IRRIGATION**

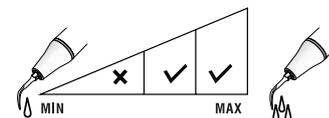


Demo Video

**MODE: G**



**POWER**

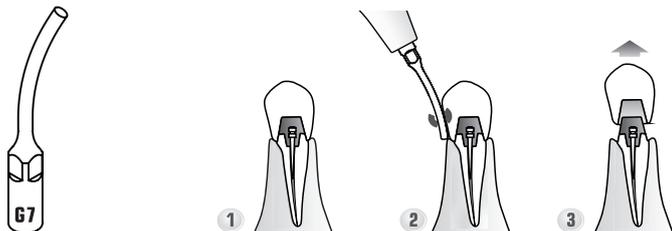


**IRRIGATION**

## G7 (GD7/GS7)

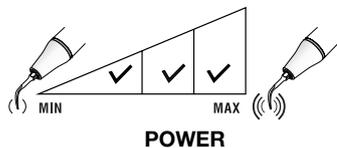
Removal of crowns.

Apply the instrument onto surface and activate. Increase pressure until vibrations can no longer be heard and maintain for few seconds.



Demo Video

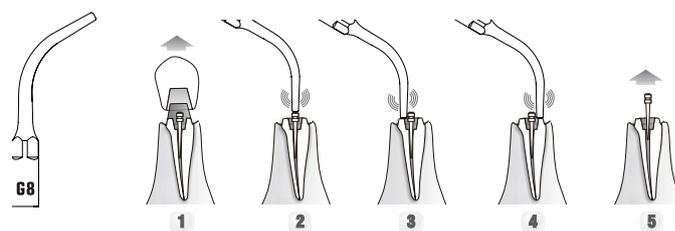
MODE: G



## G8 (GD8/GS8)

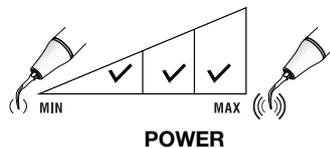
Removal of posts.

Ultrasonic high efficiency for the removal of the difficult prosthetic parts.



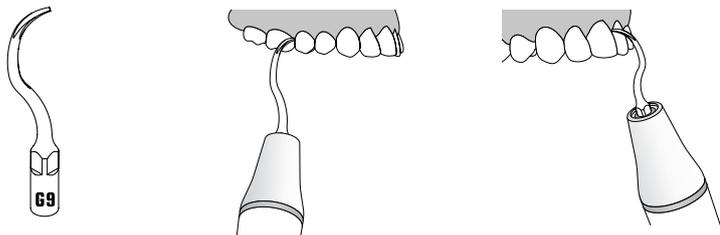
Demo Video

MODE: G



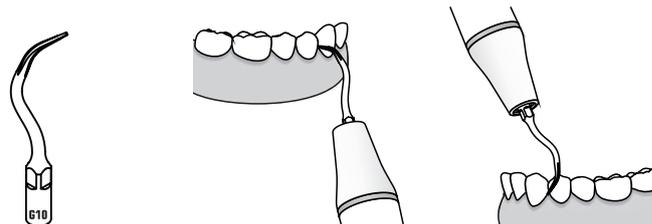
## G9 (GD9)

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.

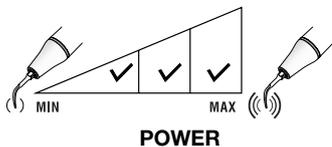


## G10 (GD10)

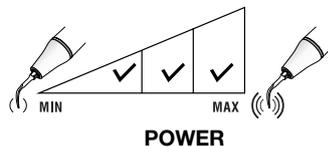
Removal of supragingival deposits in all quadrants, including the interproximal and sulcus areas.



Demo Video  
**MODE: G**

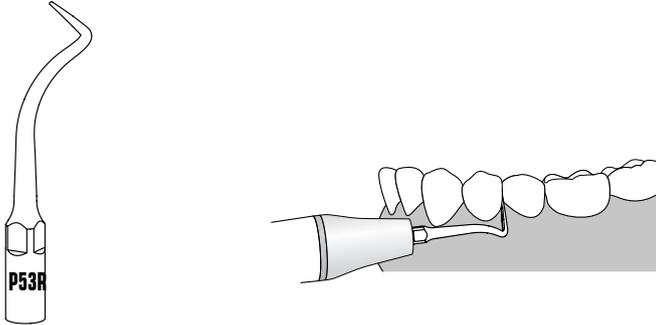


Demo Video  
**MODE: G**



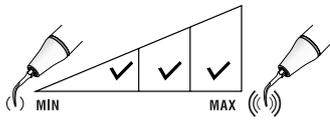
# G11 (GD11/GK11)

Diamond-coated(40µm) instrument for polishing the treatment surface of teeth in interproximal areas, without damaging the adjacent teeth during the orthodontics treatment.

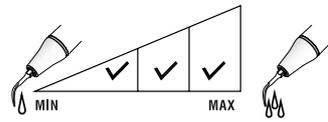


Demo Video

MODE: G



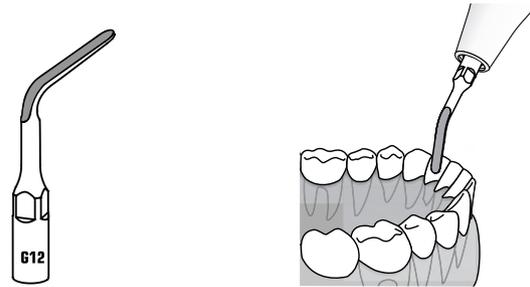
POWER



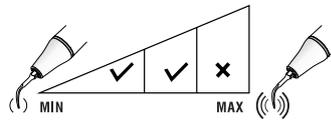
IRRIGATION

# G12 (GD12)

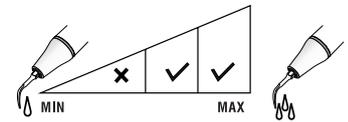
Removal of large supragingival deposits on the lingual surfaces in all quadrants.



MODE: G



POWER



IRRIGATION

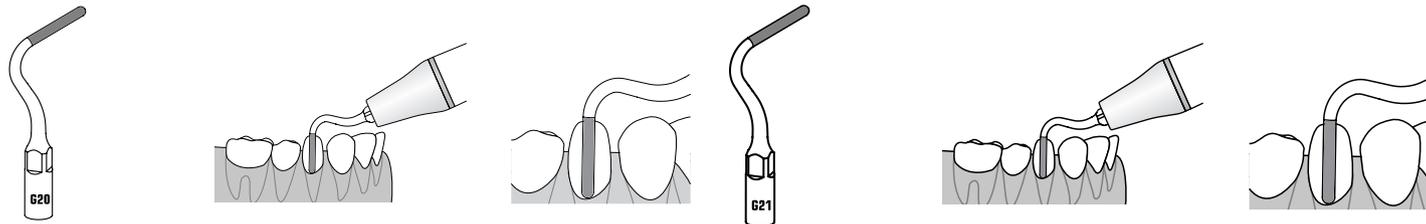
## G20 (GD20)

There are diamonds coated (120um grit) on the head of the tip for dentin abrading.

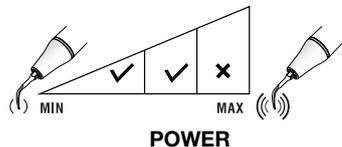
It's used for "supragingival shoulder" preparation after the completion of the preparation of the "subgingival shoulder" with bur.

## G21 (GD21)

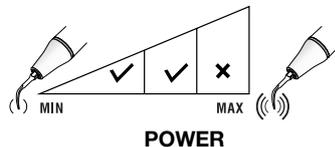
There are diamonds coated (50um fine sand) on the head of the tip for dentin abrading, mainly used for polishing of prepared supragingival shoulder and subgingival shoulder.



MODE: G

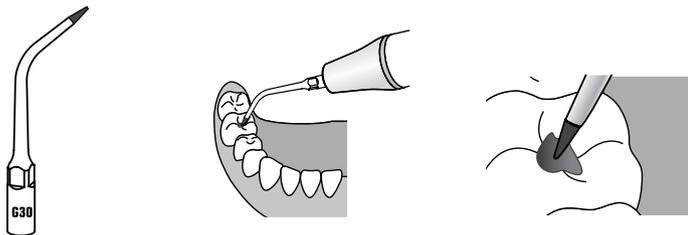


MODE: G



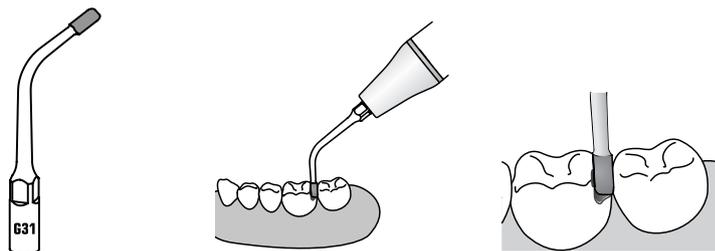
## G30 (GD30)

There are diamonds coated (90um) on the head of the tip, used for the preparation between pits and fissures.

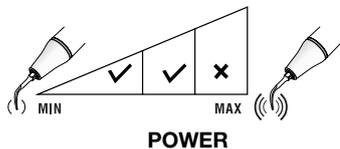


## G31 (GD31)

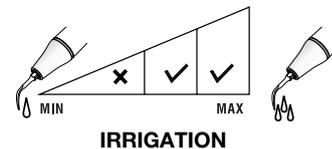
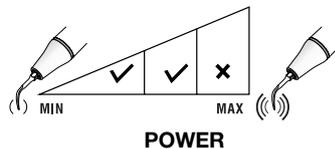
There are diamonds coated (90um) on the head of the tip, used for the preparation of the mesial cavity.



MODE: G

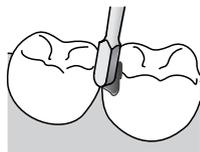
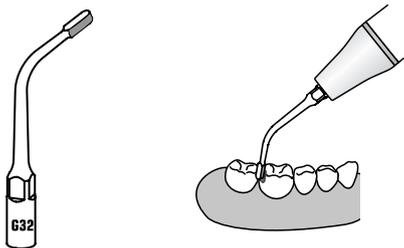


MODE: G



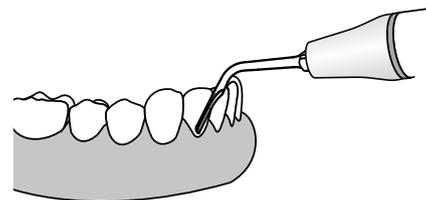
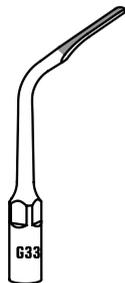
## G32 (GD32)

There are diamonds coated (90um) on the head of the tip, used for the preparation of the distal cavity.

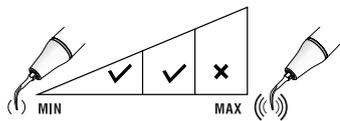


## G33 (GD33)

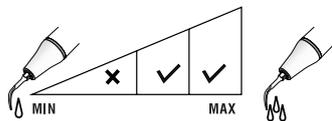
There are diamonds coated (90um) on the head of the tip, used for the preparation of the tooth veneers.



MODE: G

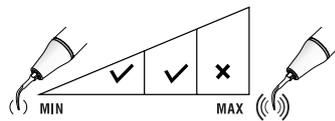


POWER

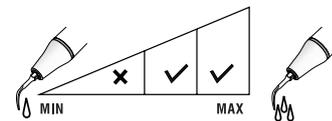


IRRIGATION

MODE: G



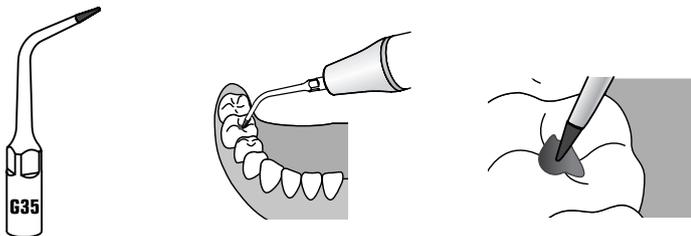
POWER



IRRIGATION

## G35 (GD35)

The tip head is coated with diamond and is cone-shaped. Used for the preparation between pits and fissures of children's teeth. Adjust the tip power and water volume outside the mouth, and then place the tip into the patient's mouth. Start the machine and perform the cutting preparation with the tip extremity against the tooth treatment site.

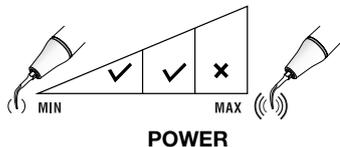


## P1 (PD1/PS1)

Slim and sharp, recommended for cleaning and irrigating of subgingival deposits.

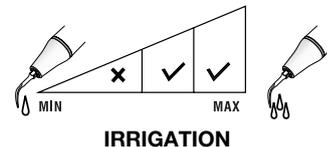
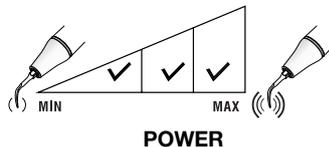


**MODE: G**



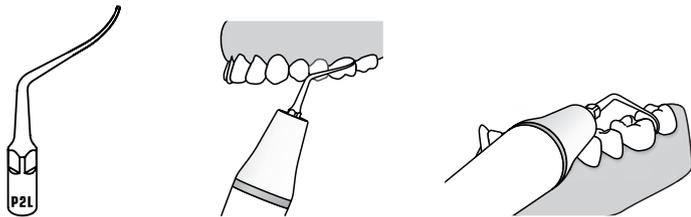
Demo Video

**MODE: G**



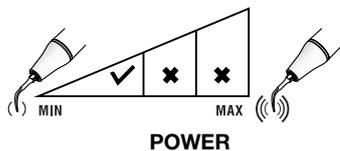
## P2L (PD2L)

Left-angled, used to remove calculus from very narrow inter-root spaces and furcation.



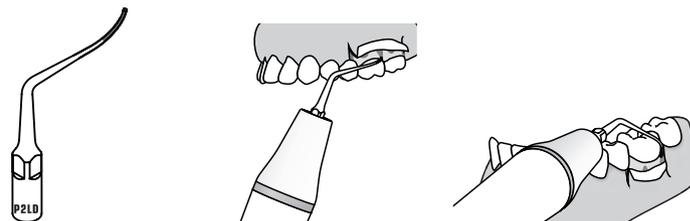
Demo Video

MODE: P



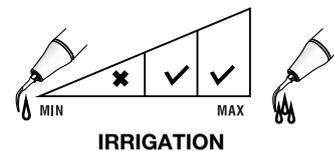
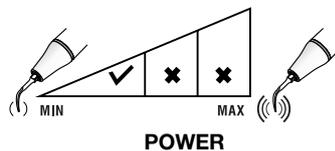
## P2LD (PD2LD)

Left-angled, diamond-coated(40μm) instrument for root planing.



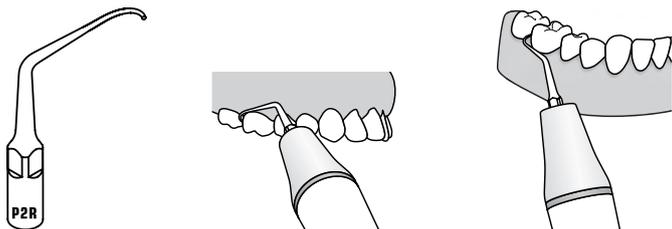
Demo Video

MODE: P



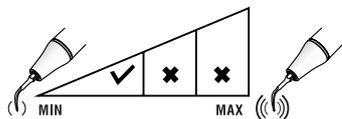
## P2R (PD2R)

Right-angled, used to remove calculus from very narrow inter-root spaces and furcation.



Demo Video

MODE: P



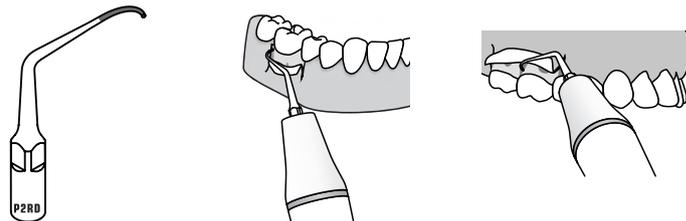
POWER



IRRIGATION

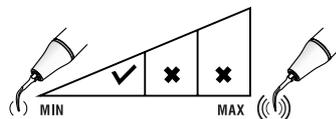
## P2RD (PD2RD)

Right-angled, diamond-coated(40µm) instrument for root planing.

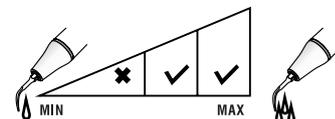


Demo Video

MODE: P



POWER



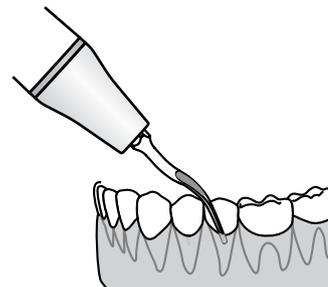
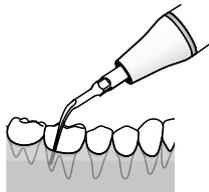
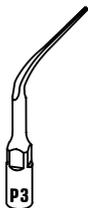
IRRIGATION

## P3 (PD3/PS3)

Recommended for cleaning and irrigating of periodontal deep pockets.

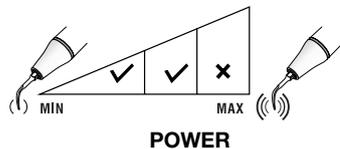
## P3L (PD3L)

Left-angled, used for subgingival scaling.

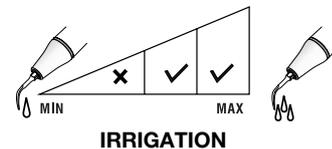
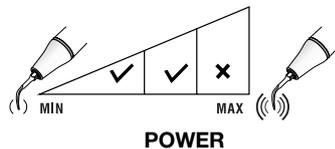


Demo Video

MODE: P



MODE: P



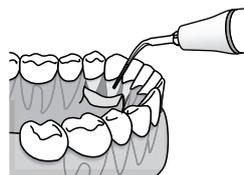
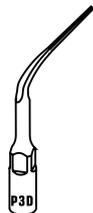
## P3R (PD3R)

Right-angled, used for subgingival scaling.

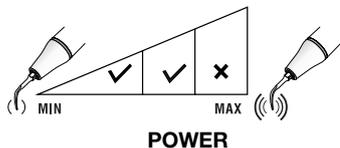


## P3D (PD3D)

Diamond-coated (40µm) instrument for root planning after the periodontal flap surgery. It's also applied to edge planning of artificial crown and furcation expanding.

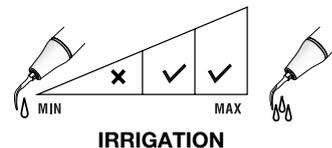
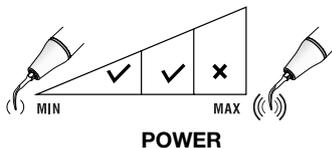


MODE: P



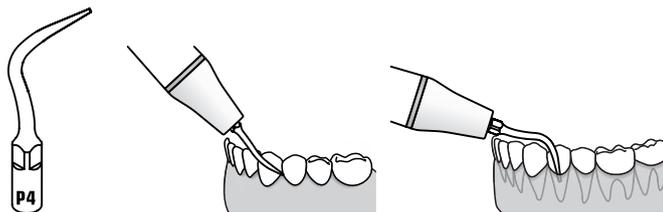
Demo Video

MODE: P



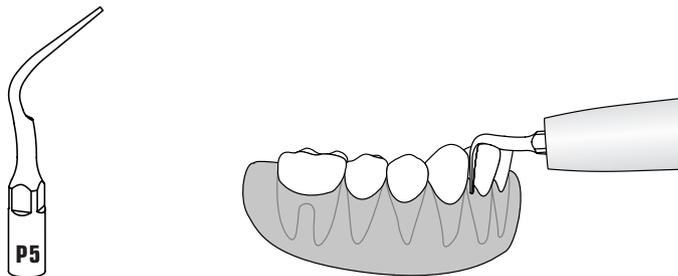
## P4 (PD4/PS4)

Recommended for cleaning and irrigating of periodontal shallow pockets.



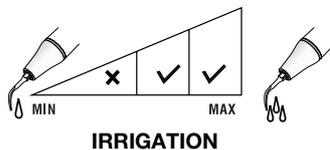
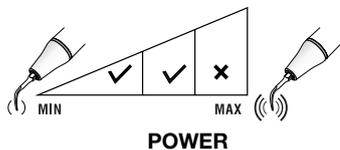
## P5 (PD5)

For removal of the tartar in the adjacent of teeth and Gingival margin of the neck.

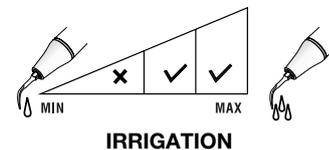
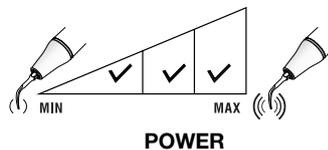


Demo Video

MODE: P

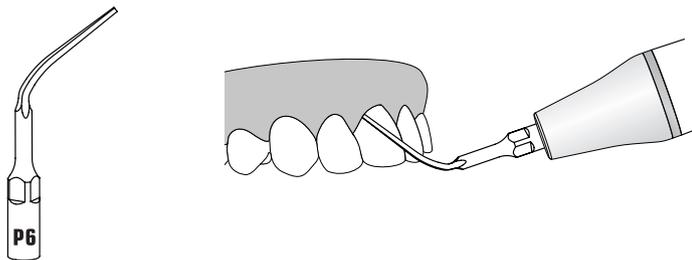


MODE: P



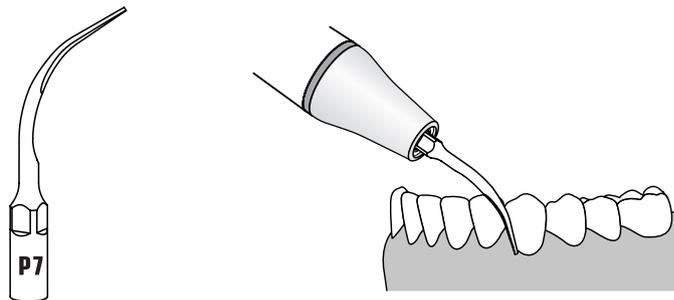
## P6 (PD6)

Slim and sharp, recommended for cleaning and irrigating of periodontal deep pockets.

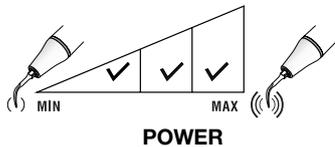


## P7 (PD7)

Slim and sharp, recommended for cleaning and irrigating of subgingival deposits.



MODE: P



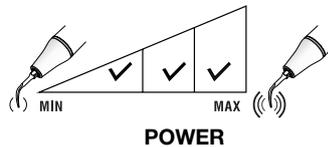
POWER

MODE: P

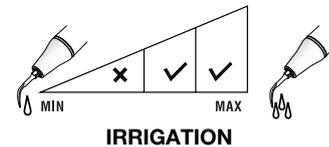


IRRIGATION

MODE: P



POWER

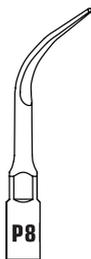


IRRIGATION

## P8 (PD8)

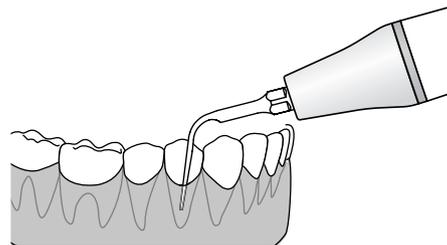
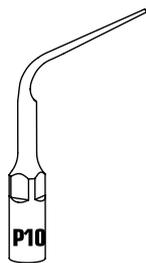
Function: used to remove the calculus at shallow periodontal pocket and treat the adjacent tooth surface and ditch area.

Features: The tip is flat and wide, which can be used to clean the teeth surface at subgingival 1/4 and the supragingival part.

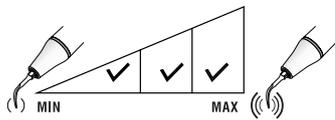


## P10 (PD10)

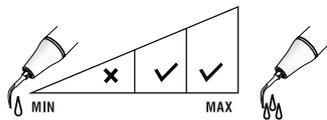
For gentle scaling and removal of tartar in the periodontal pocket.



MODE: P

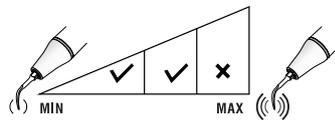


POWER

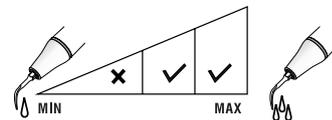


IRRIGATION

MODE: P



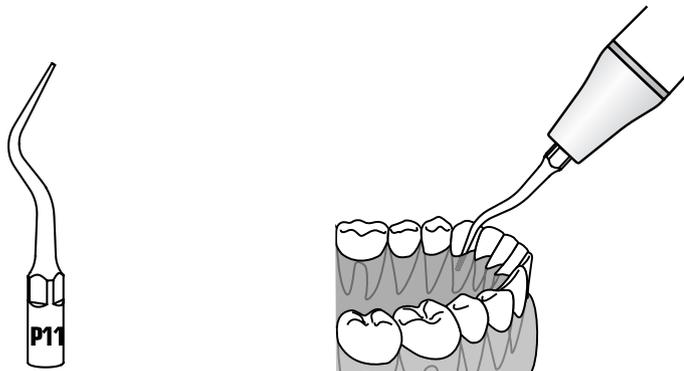
POWER



IRRIGATION

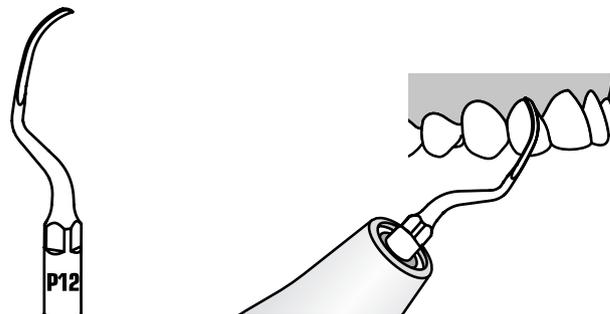
## P11 (PD11)

For high efficient removal of the stubborn tartar in the subgingival.

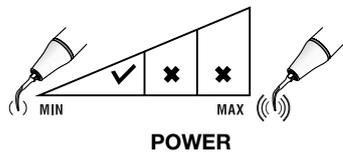


## P12 (PD12)

With slim blade edge at the end of the tip, for high efficient removal of the stubborn tartar in posterior subgingival.



MODE: P

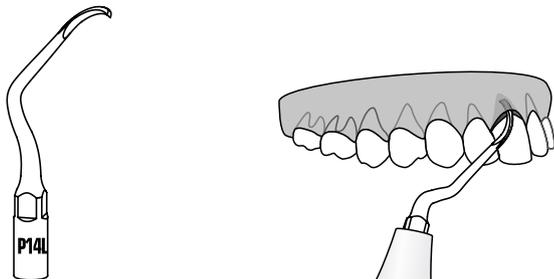


MODE: P



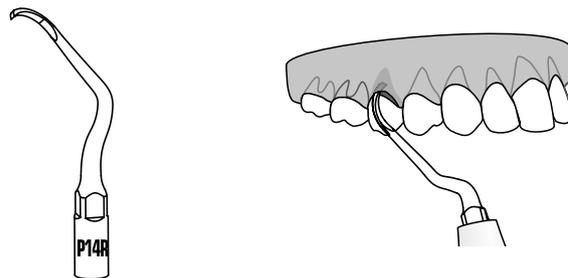
## P14L (PD14L)

Left curved, with slim blade edge at the end of the tip, for high efficient removal of the stubborn tartar in posterior subgingival.

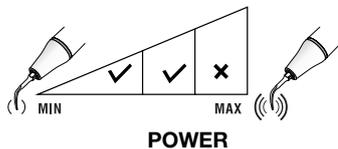


## P14R (PD14R)

Right curved, with slim blade edge at the end of the tip, for high efficient removal of the stubborn tartar in posterior subgingival.



MODE: P

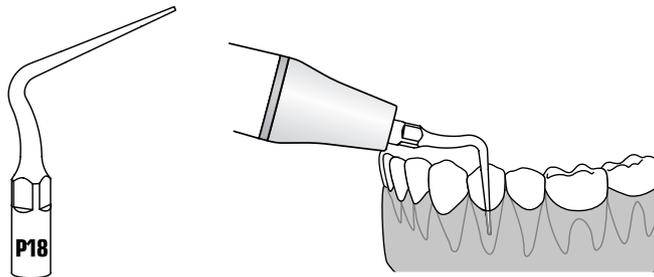


MODE: P

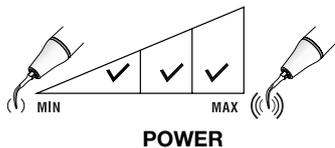


## P18 (PD18)

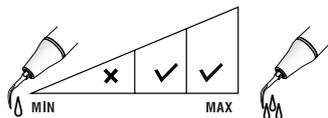
For probing the deep periodontal pocket tartar, and subgingival rinse after scaling.



MODE: P



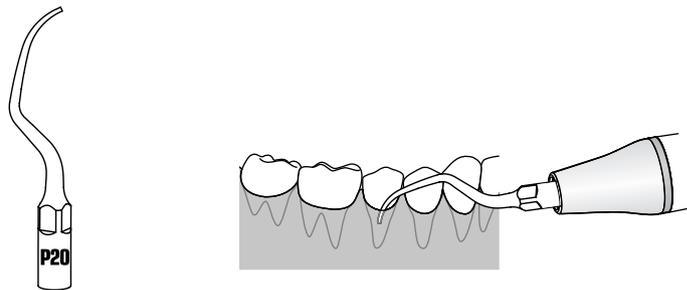
POWER



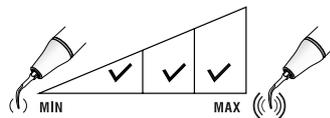
IRRIGATION

## P20 (PD20)

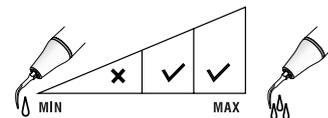
For removal of the tartar in the adjacent of teeth, gingival margin of the neck and the tartar within 3mm in the subgingival pocket.



MODE: P



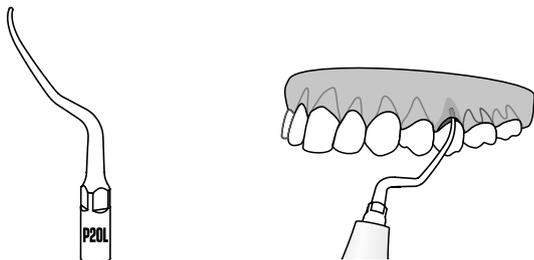
POWER



IRRIGATION

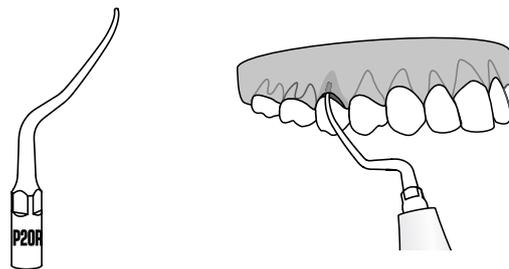
## P20L (PD20L)

Left curved, for high efficient removal of the stubborn tartar in posterior subgingival.

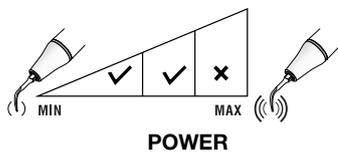


## P20R (PD20R)

Right curved, for high efficient removal of the stubborn tartar in posterior subgingival.



MODE: P

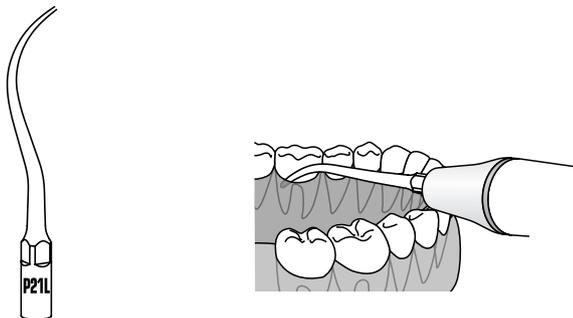


MODE: P



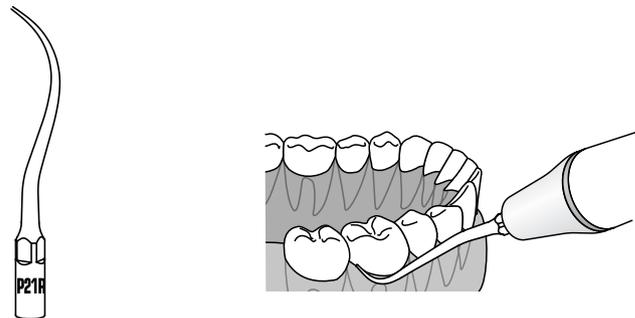
## P21L (PD21L)

Left curved, for the scaling of root bifurcation and root surface of adjacent of posterior teeth sector.

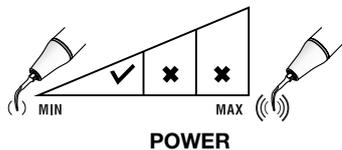


## P21R (PD21R)

Right curved, for the scaling of root bifurcation and root surface of adjacent of posterior teeth sector.



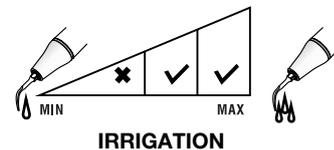
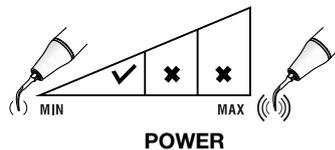
MODE: P



MODE: P

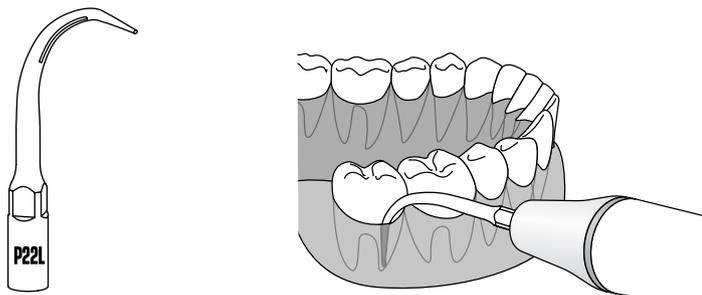


MODE: P



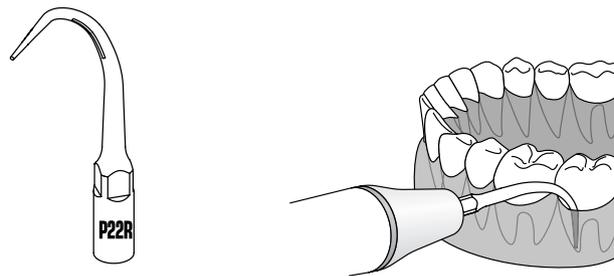
## P22L (PD22L)

Left curved, the 12mm straight part can assure the complete removal of subgingival tartar and stains.

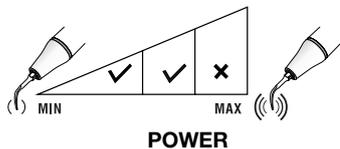


## P22R (PD22R)

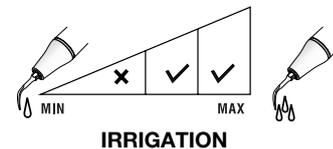
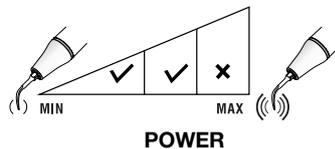
Right curved, the 12mm straight part can assure the complete removal of subgingival tartar and stains.



MODE: P



MODE: P



## P33

Function: Used to remove calculus deep in the periodontal pocket and rinse the periodontal pocket. Features: The tip is slender and can be used for fine scaling of subgingival root surface.

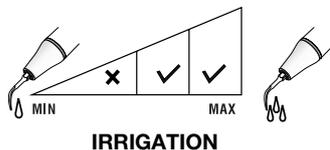
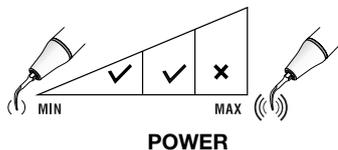
Note:

(1) The tip is mainly used for treatment in deep periodontal pockets. During use, the power should be set as small as possible and cannot exceed the recommended power level.

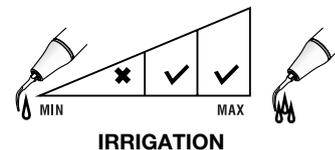
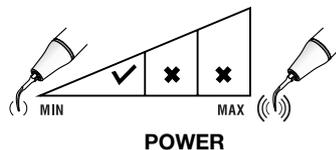
(2) The tip has an irrigating function on the periodontal pocket. During operation, the water volume should be set as large as possible.



MODE: P

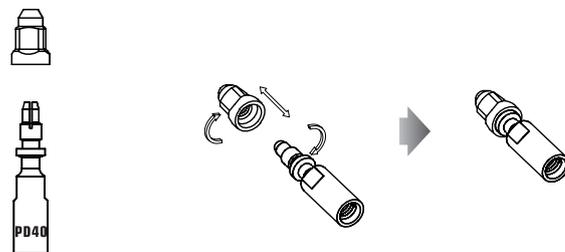


MODE: P



## PD40

Function: It can be used as an adapter to hold the implant maintenance tips PD41, PD42, PD43Land PD43R to clean and maintain the implant.



## PD41

Function: For implant maintenance. It can be installed to PD40 adapter to realize the cleaning and maintenance of implant.

Size: Plastic head is of 15mm length

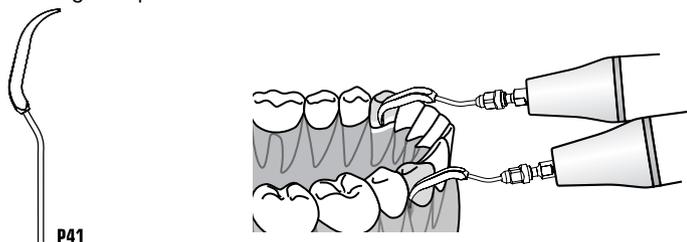
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance. Use:

a. Used in P mode of D600. Recommended power level: level 1~3. b. Used in P mode of S6. Recommended power level: level 1~6

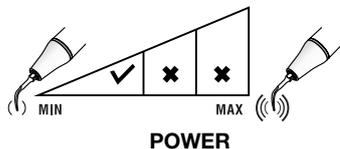
Note:

(1) The plastic part is made of PEEK material which can be disinfected under high temperature and high pressure, the higher the power, the easier it is to wear;

(2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



MODE: P



## PD42

Function: For implant maintenance. It can be installed to PD40 adapter to realize the cleaning and maintenance of implant.

Size: Plastic head is of 19mm length

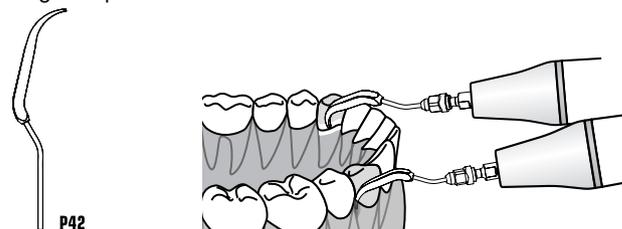
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance. Use:

a. Used in P mode of d600. Recommended power level: level 1~5. b. Used in P mode of S6. Recommended power level: level 1~9.

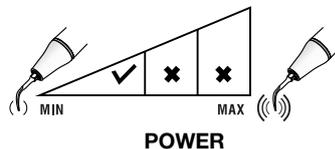
Note:

(1) The plastic part is made of PEEK material which can be disinfected under high temperature and high pressure, the higher the power, the easier it is to wear;

(2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



MODE: P



## PD43L

Function: implant maintenance tip installed on PD40 adapter to realize the cleaning and maintenance of dental implants. Plastic head length: 21mm

Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part. The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.

Use:

Used in P mode of D600; recommended power level: level 1~8

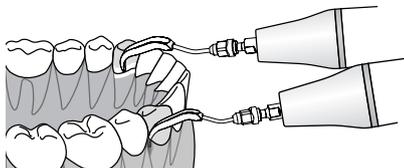
Used in P mode of S6; recommended power level: level 1~12

Used in P mode of ordinary scalers; recommended power level: low (level 1~3) Note:

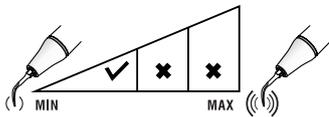
- (1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
- (2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
- (3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.



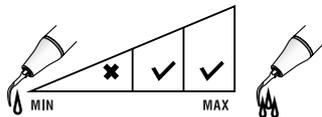
PD43L



MODE: P



POWER



IRRIGATION

## PD43R

Function: implant maintenance tip installed on PD40 adapter to realize the cleaning and maintenance of dental implants. Plastic head length: 21mm  
Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part. The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.

Use:

Used in P mode of D600; recommended power level: level 1~8

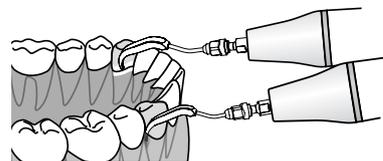
Used in P mode of S6; recommended power level: level 1~12

Used in P mode of ordinary scalers; recommended power level: low (level 1~3) Note:

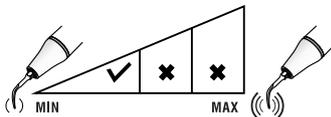
- (1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
- (2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
- (3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.



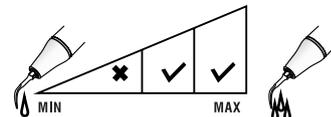
PD43R



MODE: P



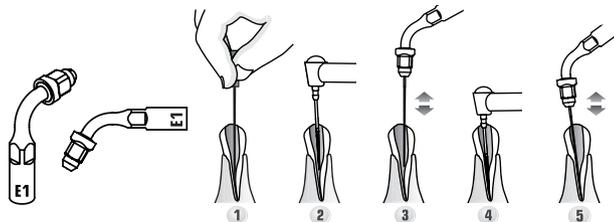
POWER



IRRIGATION

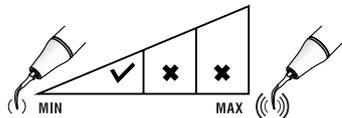
## E1 (ED1/ES1)

120° holder, used to hold the file diameter  $\Phi 0.7\text{mm}$  or  $\Phi 0.8\text{mm}$ . Recommended for the cleaning and irrigating of the root canal, usually used for the anterior teeth. Use only the provided flat wrench to tighten the file holders on the handpiece, as well as for gently tightening the files or instruments in the holder. Do not over tighten. Do not tighten the holder nut when no file or instrument is installed as this may damage it. Do not mix-install the holder with  $\Phi 0.7\text{mm}$  and  $\Phi 0.8\text{mm}$  file, the  $\Phi 0.8\text{mm}$  file will not be able to be installed after a  $\Phi 0.7\text{mm}$  file installed on the holder. Each Endo file is recommended to be used not more than 10 times.

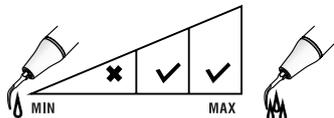


Demo Video

MODE: E



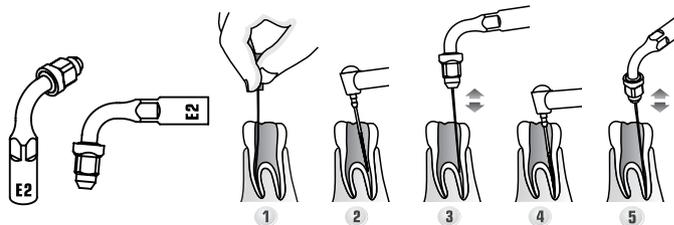
POWER



IRRIGATION

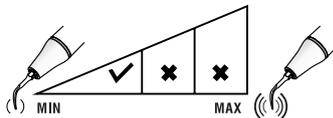
## E2 (ED2/ES2)

95° holder, used to hold the file diameter  $\Phi 0.7\text{mm}$  or  $\Phi 0.8\text{mm}$ . Recommended for cleaning and irrigation of the root canal, usually used for the molar teeth. Use only the provided flat wrench to tighten the file holders on the handpiece, as well as for gently tightening the files or instruments in the holder. Do not over tighten. Do not tighten the holder nut when no file or instrument is installed as this may damage it. Do not mix-install the holder with  $\Phi 0.7\text{mm}$  and  $\Phi 0.8\text{mm}$  file, the  $\Phi 0.8\text{mm}$  file will not be able to be installed after a  $\Phi 0.7\text{mm}$  file installed on the holder. Each Endo file is recommended to be used not more than 10 times.

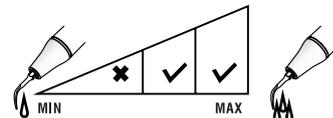


Demo Video

MODE: E



POWER



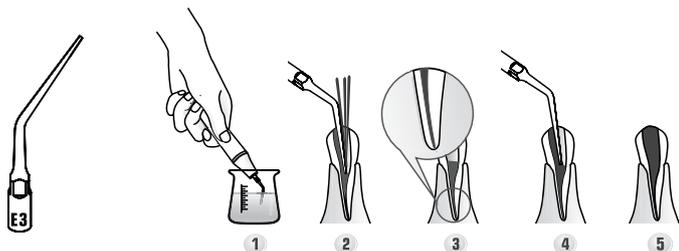
IRRIGATION

## E3 (ED3/ES3)

Recommended for melting gutta-percha.

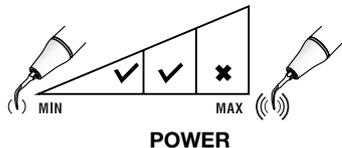
Immerse the instrument in eugenol before inserting it in the canal.

Slightly press the instrument against the cone of gutta-percha and activate the scaler to condense until the canal is filled.



Demo Video

**MODE: E**

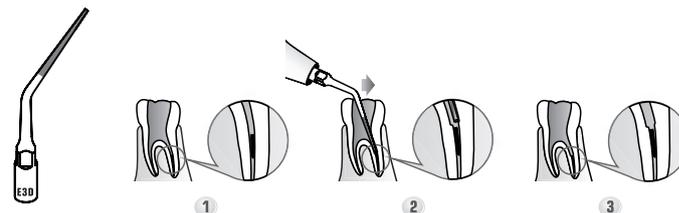


## E3D (ES3D)

Recommended for melting gutta-percha.

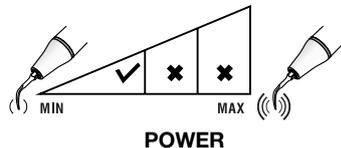
Immerse the instrument in eugenol before inserting it in the canal.

Slightly press the instrument against the cone of gutta-percha and activate the scaler to condense until the canal is filled.



Demo Video

**MODE: E**

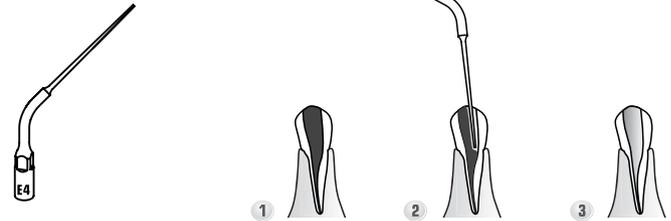
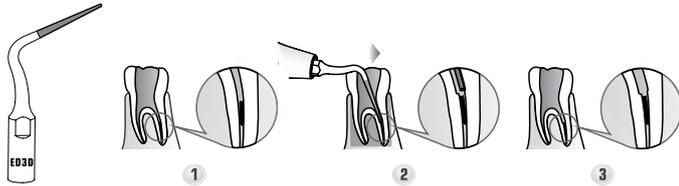


# ED3D

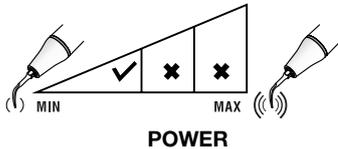
Diamond-coated(40µm) instrument for enlarging the root canal and access to files broken in the root canal.  
Don't touch the broken file when enlarging the root canal in case putting it deeper in the canal.

# E4(ED4/ES4)

Used to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is (22mm).

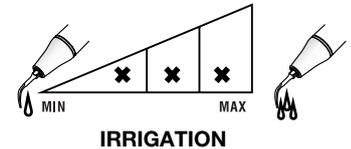
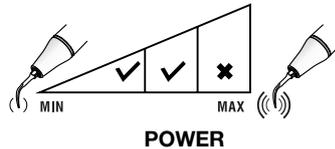


MODE: E



Demo Video

MODE: E

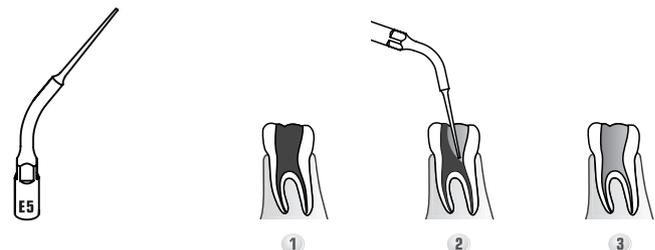
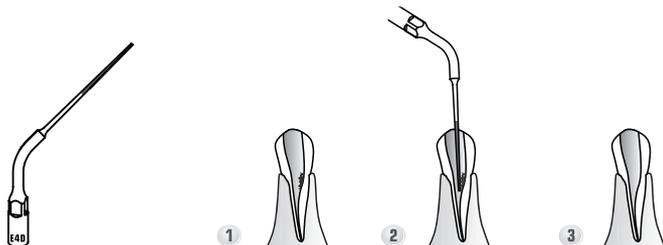


## E4D (ED4D/ES4D)

Diamond-coated(40µm) instrument for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of the diamond-coated on tip is (15mm).

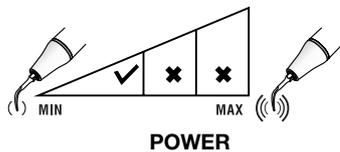
## E5 (ED5/ES5)

Used to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is (16mm).



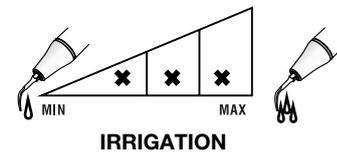
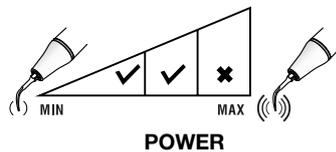
Demo Video

MODE: E



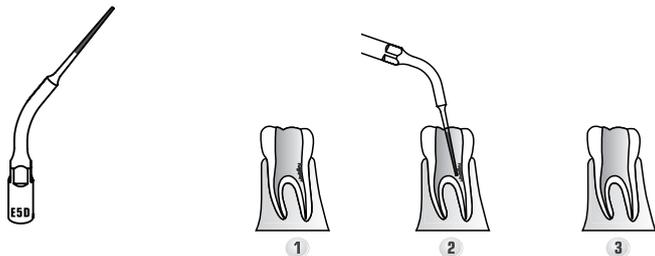
Demo Video

MODE: E



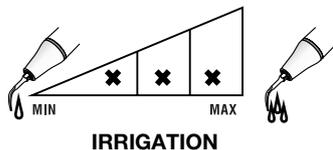
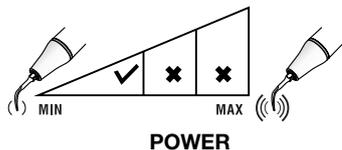
## E5D (ED5D/ES5D)

Diamond-coated(40 $\mu$ m) instrument for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of the diamond-coated on tip is (10mm).



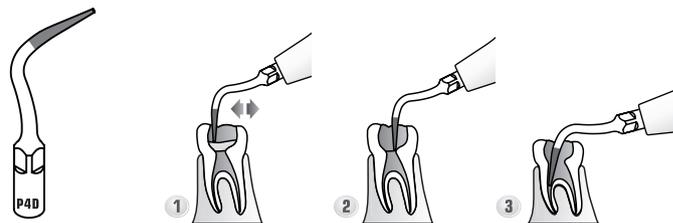
Demo Video

MODE: E

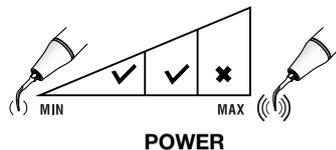


## P4D (PD4D/PS4D)

Diamond-coated(40 $\mu$ m) instrument for root canal orientation. It can also be applied to remove the calcifications located at the 1/3 part of root canal. Don't press too much during the treatment to avoid hurting the root canal.

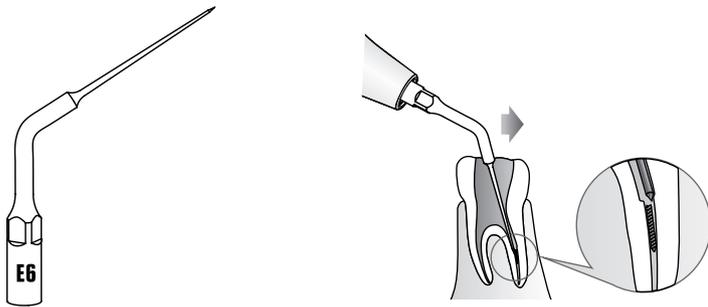


MODE: E



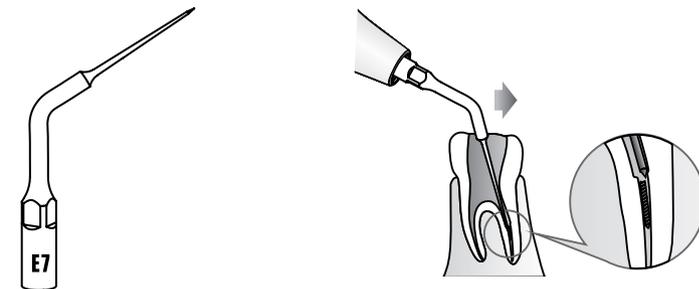
## E6 (ED6)

Thin and flexible, used for removing foreign body in deep canal.

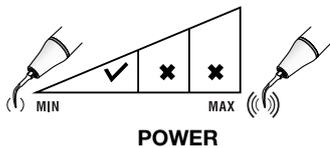


## E7 (ED7)

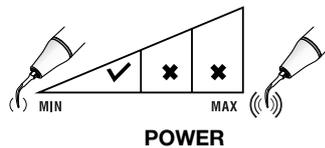
Thin and flexible, used for removing foreign body in 1/3 canal.



MODE: E

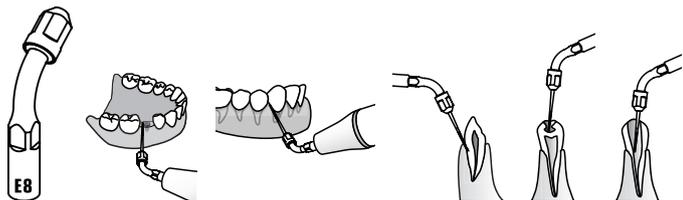


MODE: E



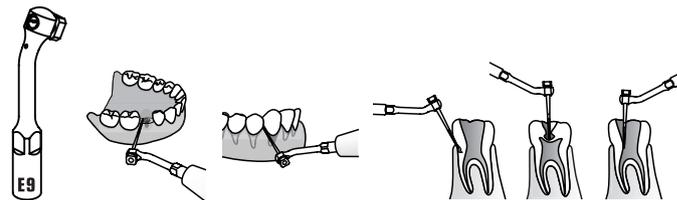
## E8 (ED8/ES8/EK8)

Recommended for holding different types of dental bur to realize a variety of treatment on teeth. Usually used for the anterior teeth. Special burs used for dental implant is applicable.



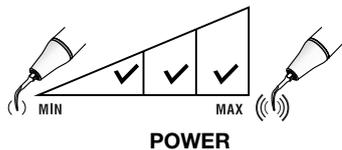
## E9 (ED9)

Recommended for holding different types of dental bur to realize a variety of treatment on teeth. Usually used for the molar teeth. Special burs used for dental implant is applicable.



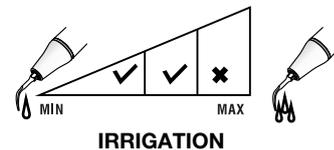
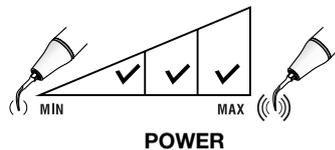
Demo Video

**MODE: E**



Demo Video

**MODE: E**

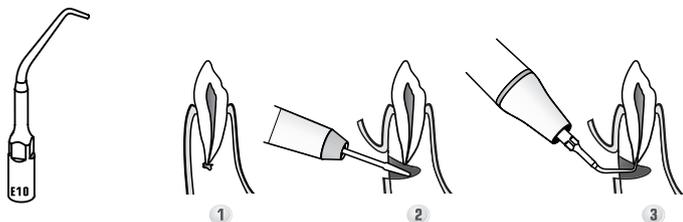


## E10 (ED10/ES10)

Water volume control: Ensure that the cooling water reaches the end of the tip.

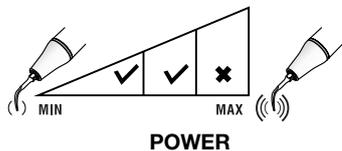
Function: For the treatment of root bifurcation, removal of supragingival large calculus and plaque.

Applicable area: root bifurcation area, labial (buccal) surface and lingual (palatal) surface of all teeth.



Demo Video

MODE: E



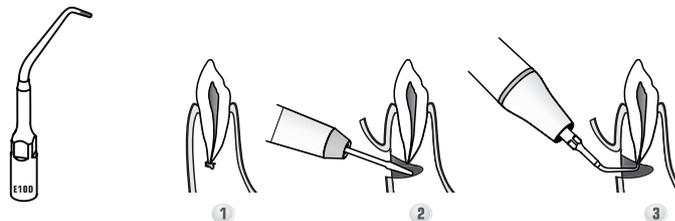
## E10D (ED10D/ES10D)

Volume of water: Ensure the cooling water reach the end of the tip

Functional Description: For subgingival calculus probing, subgingival scaling and root planing

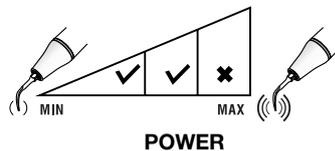
Applicable area: All teeth buccal and lingual site

Operation method: The tip is parallel to the long axis of the tooth and ensure the 2 mm right or left middle site adapt the tooth surface. Move the tip front and back.



Demo Video

MODE: E

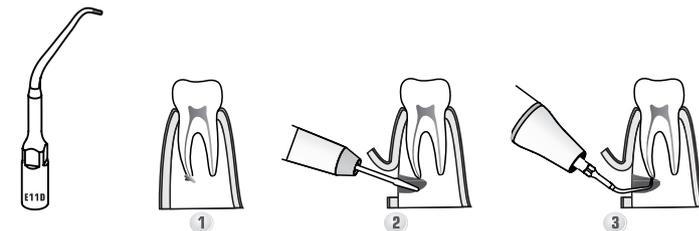
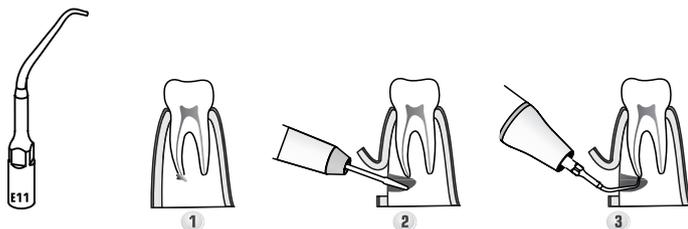


## E11 (ED11/ES11)

Used to polish the root canal in the retrograde preparation of root canals. The length of tip slender part is (3.5mm).

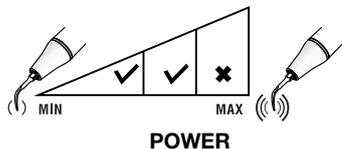
## E11D (ED11D/ES11D)

Diamond-coated(40µm) instrument for high efficiency root planning in the retrograde preparation of root canals. The length of the diamond-coated on tip is (2.2mm).



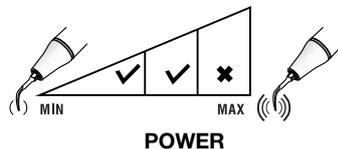
Demo Video

MODE: E



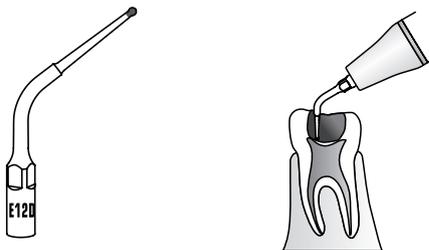
Demo Video

MODE: E

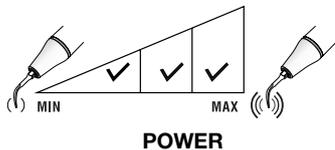


## E12D(ED12D)

Diamond-coated(90um),used for removing the calcification and bad filling material of pulp cavity,exposing the root canal orifice.



MODE: E

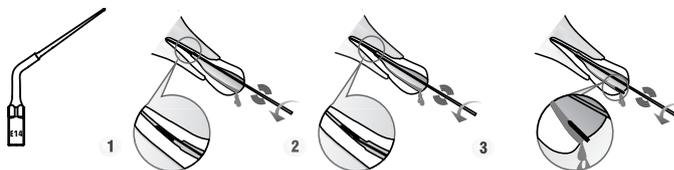


## E14(ED14/ES14)

Instrument for the removal of broken files inside the root canal. The length of tip slender part is (22mm).

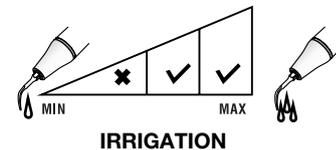
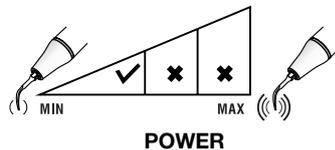
If possible place the patient's head in a position where the root canal is horizontal with a downward inclination. Rotate the tip of the instrument counterclockwise around the broken part until it is picked out from the root canal.

To avoid push the broken file deeper into the root canal, do not use pressure to the instrument in the axial direction.



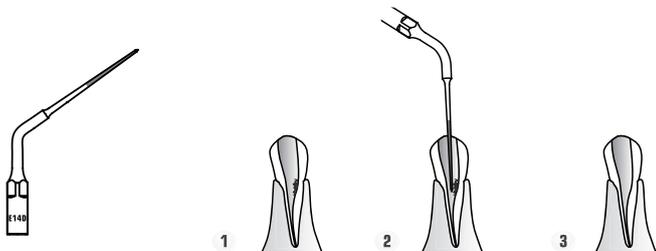
Demo Video

MODE: E



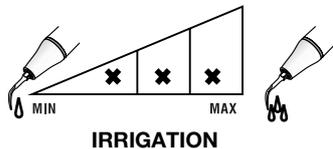
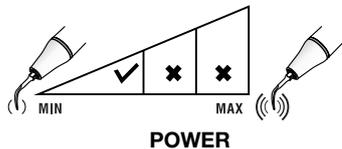
## E14D (ED14D)

Diamond-coated (40µm) instrument for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of the diamond-coated on tip is (15mm). With irrigation.



Demo Video

MODE: E

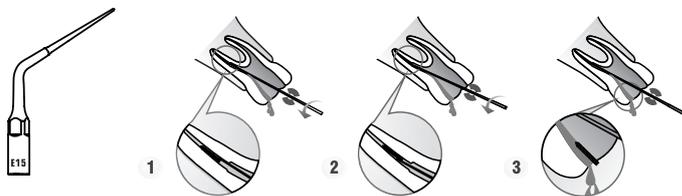


## E15 (ED15/ES15)

Instrument for the removal of broken files inside the root canal. The length of tip slender part is (16mm).

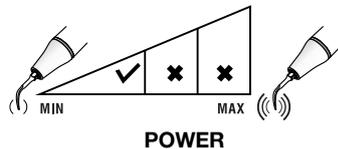
If possible place the patient's head in a position where the root canal is horizontal with a downward inclination. Rotate the tip of the instrument counterclockwise around the broken part until it is picked out from the root canal.

To avoid push the broken file deeper into the root canal, do not use pressure to the instrument in the axial direction.



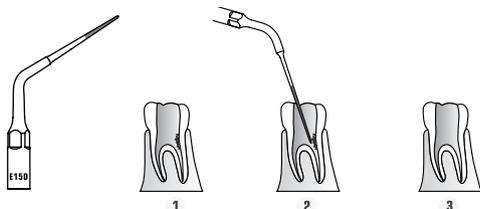
Demo Video

MODE: E



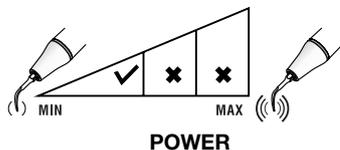
## E15D (ED15D)

Diamond-coated(40um) instrument for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of the diamond-coated on tip is (10mm). With irrigation.



Demo Video

MODE: E

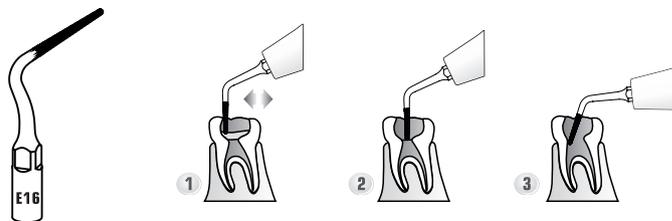


## E16

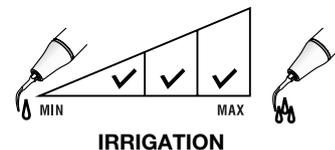
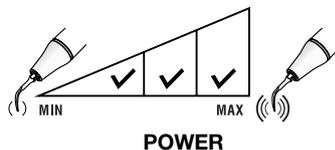
Used for locating root canal, cleaning pulp chamber and enlarging root canal orifice. The tip end has 15 micro grooves for good cutting performance, but the smooth tip extremity surface can reduce the risk of perforation of the pulp chamber floor.

The front and back direction operation of the tip is more efficient. When operating without water, follow the mode of "Work for 5-10 seconds and then stop for 2 seconds". Open water every 60 seconds for cooling and rinsing.

Note: Due to the strong cutting performance of this tip, it is recommended to use it with root canal microscope in order to prevent the perforation of the pulp chamber floor.



MODE: E

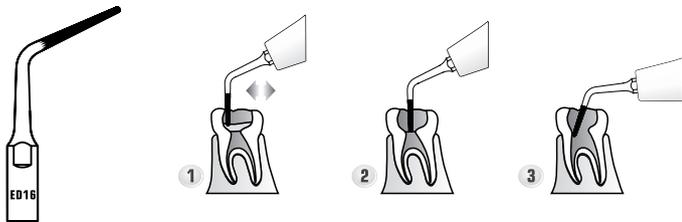


## ED16

Used for locating root canal, cleaning pulp chamber and enlarging root canal orifice. The tip end has 15 micro grooves for good cutting performance, but the smooth tip extremity surface can reduce the risk of perforation of the pulp chamber floor.

The front and back direction operation of the tip is more efficient. When operating without water, follow the mode of "Work for 5~10 seconds and then stop for 2 seconds". Open water every 60 seconds for cooling and rinsing.

Note: Due to the strong cutting performance of this tip, it is recommended to use it with root canal microscope in order to prevent the perforation of the pulp chamber floor.



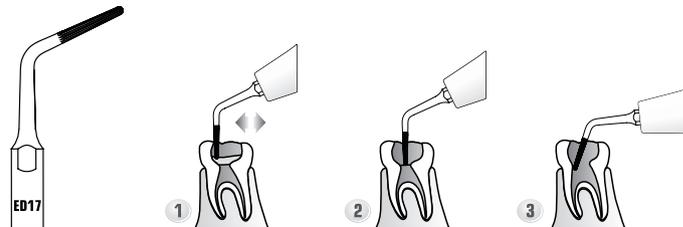
## ED17

Function: Used for root canal detection, pulp chamber cleaning, and orifice opening. Features: The tip has 15 micro-washers, and it is of good cutting performance. Back and forth motion of tip brings more efficient operation.

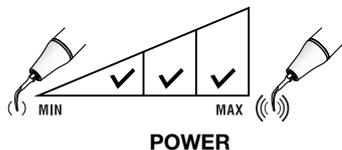
In the case of waterless operation, select the mode of "Work for 5~10 seconds and then stop for 2 seconds", and open water every 60 seconds for cooling and rinsing.

Note:

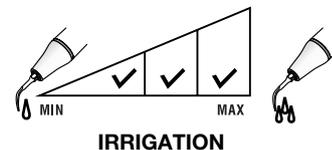
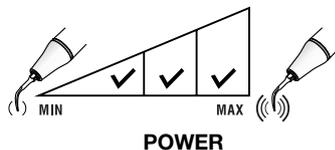
(1) Due to the strong cutting performance of the tip, in order to prevent the penetration of the medullary cavity, it is recommended to use with a root canal microscope.



MODE: E



MODE: E



# ED18

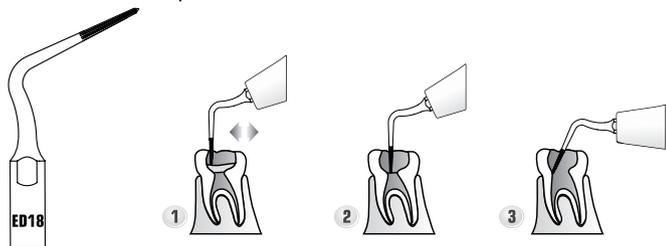
Function: Used to determine the position of the root canal, remove the dentin, calcification and loose crown at the 1/3 crown of the root canal.

Features: The tip has 12 micro-washers, and it is of good cutting performance. Back and forth motion of tip brings more efficient operation.

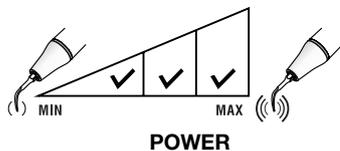
In the case of waterless operation, select the mode of "Work for 5~10 seconds and then stop for 2 seconds", and open water every 60 seconds for cooling and rinsing.

Note:

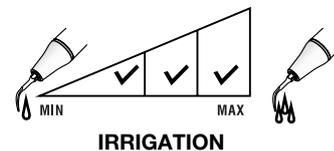
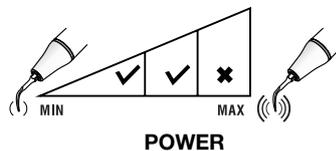
(1) Due to the strong cutting performance of the tip, in order to prevent the penetration of the medullary cavity, it is recommended to use with a root canal microscope.



MODE: E



MODE: E



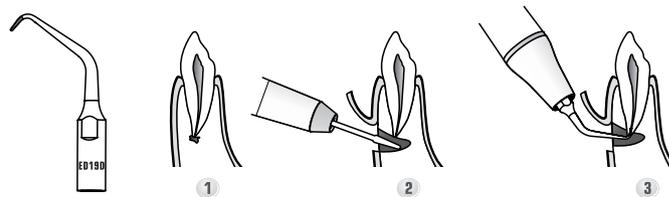
# ED19D

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 3mm, and the diameter of sand is 30µm. Normally used for retropreparation of front teeth.

Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



## ED20D

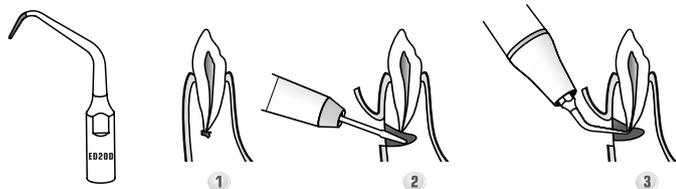
Used for efficient apex modification in retropreparation. The length of diamond-coated part is 6mm, and the diameter of sand is 30 $\mu$ m.

Normally used for retropreparation of front teeth.

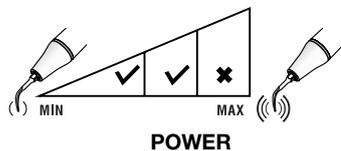
Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



**MODE: E**



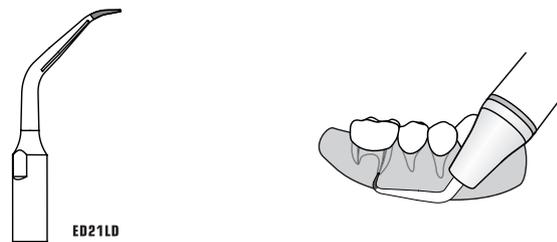
## ED21LD

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 3mm, and the diameter of sand is 30 $\mu$ m. Bent to left. Used in premolars and molars.

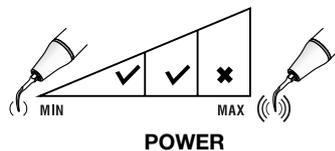
Use:

Used in E mode of D600; recommended power level: level 1~6;

Used in E mode of S6; recommended power level: level 1~9.



**MODE: E**



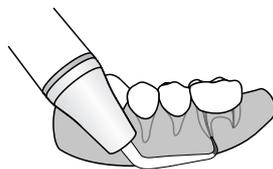
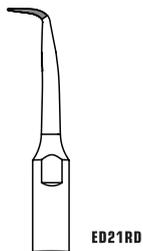
## ED21RD

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 3mm, and the diameter of sand is 30 $\mu$ m. Bent to right. Used in premolars and molars.

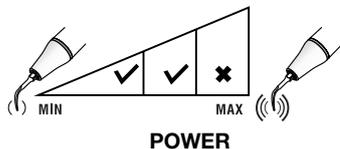
Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



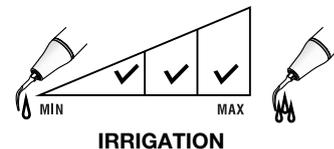
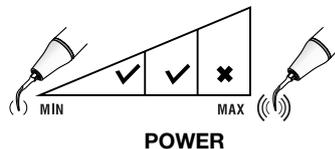
MODE: E



MODE: E



MODE: E



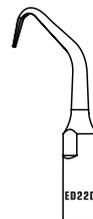
## ED22D

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 4mm, and the diameter of sand is 30 $\mu$ m. Used in molar teeth.

Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



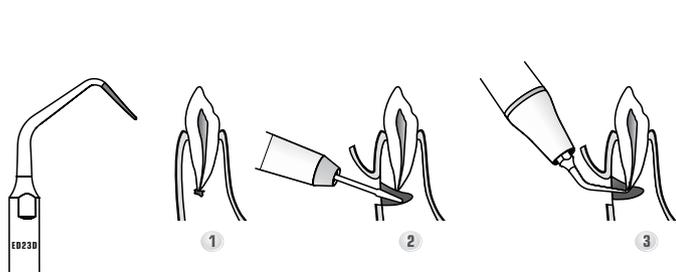
## ED23D

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 9mm, and the diameter of sand is 30 $\mu$ m. Mainly used in front teeth. Used for complicated case, and it can be prepared to 9mm in retropreparation operation.

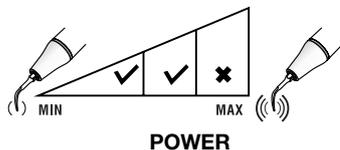
Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



MODE: E



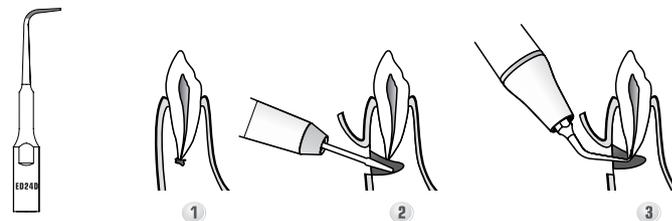
## ED24D

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 5mm, and the diameter of sand is 30 $\mu$ m. Mainly used in front teeth.

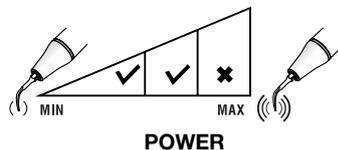
Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



MODE: E



## ED25LD

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 5mm, and the diameter of sand is 30 $\mu$ m. Bent to left. Used in premolars and molars.

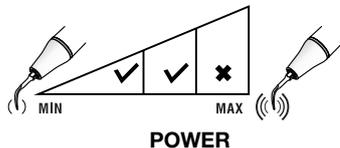
Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



MODE: E



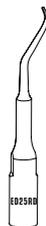
## ED25RD

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 5mm, and the diameter of sand is 30 $\mu$ m. Bent to right. Used in premolars and molars.

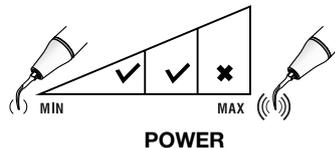
Use:

Used in E mode of D600; recommended power level: level 1~7;

Used in E mode of S6; recommended power level: level 1~10.



MODE: E

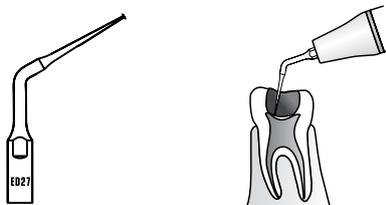


## ED27

Finishing the pulp cavity and removing the calcification at the pulp chamber floor. The tip extremity is in the shape of a round sucker and the cutting effect comes from the edge of the sucker. There is no cutting effect in the axial direction, which can avoid perforation of the pulp chamber floor.

Place the tip on the active part and move the tip back and forth or left and right to perform cutting operation.

When operating without water, follow the mode of "Work for 5~10 seconds and then stop for 2 seconds". Open water every 60 seconds for cooling and rinsing.

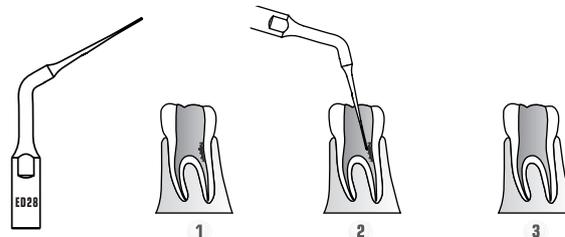


## ED28

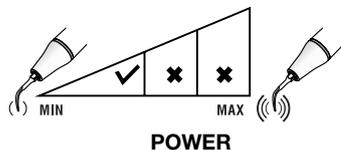
To locate and negotiate the root canal orifice. Tip extremity is pointed and conical. The 5mm part away from the tip extremity is a cylinder of  $\varnothing 0.25\text{mm}$ .

Power level 1 in root canal treatment mode (E mode)

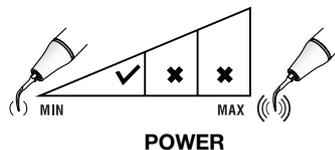
Place the tip on the active part and apply a small force along the axial direction of the tip end. When operating without water, follow the mode of "Work for 5~10 seconds and then stop for 2 seconds". Open water every 60 seconds for cooling and rinsing.



### MODE: E



### MODE: E



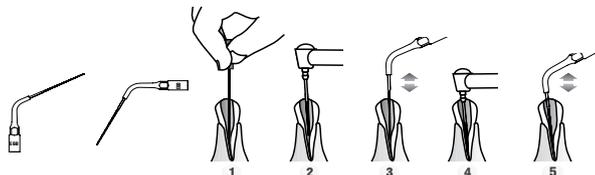
## E60(ED60)

Features: Minimally invasive irrigation; the working part is spiral but not sharp, with basically no cutting ability, effectively avoiding the root canal shape from being destroyed, bringing efficient and safe operation.

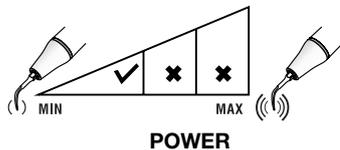
Irrigating operation: Put the irrigating tip into the root canal, try to keep the tip unstressed, start the device for 20 seconds and then stop to clean the root canal. Generally, a root canal needs to be irrigated 3×20 seconds. Recommended service life: 30 ~ 50 root canals

Note: (1) In order to ensure the service life of the tip, it is recommended to use it according to the recommended method: first perform the external debugging, start the foot pedal under power level 1, ensure the water output is normal, and adjust the power within the power level limit (level 1~6) according to individual need to ensure that the water output can reach the tip end (the water can reach the tip end through adjusting water volume). After all the above steps, start root canal irrigation.

(2) During irrigation, in order to avoid instrument fracture, please prevent tip from getting stuck and vibrating in root canal.



MODE: E



## E62(ED62)

Function: Used for irrigation of root canal after root canal preparation.

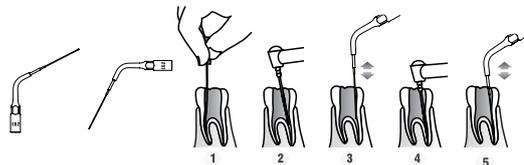
Dimensions:  $\varnothing 0.3\text{mm}$ ; taper 0%. Working part length: 16mm

Features: Minimally invasive irrigation; the surface of working part is smooth, with cutting ability, effectively avoiding the root canal shape from being destroyed, bringing safer operation.

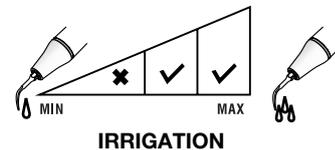
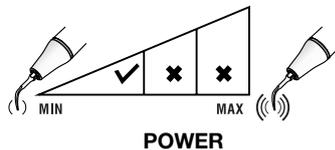
Irrigating operation: Put the irrigating tip into the root canal, try to keep the needle unstressed, start the device for 20 seconds and then stop to clean the root canal. Generally, a root canal needs to be irrigated 3×20 seconds. Recommended service life: 30 ~ 50 root canals

Note: (1) In order to ensure the service life of the tip, it is recommended to use it according to the recommended method: first perform the external debugging, start the foot pedal under power level 1, ensure the water output is normal, and adjust the power within the power level limit (level 1~3) according to individual need to ensure that the water output can reach the tip end (the water can reach the tip end through adjusting water volume). After all the above steps, start root canal irrigation.

(2) During irrigation, in order to avoid instrument fracture, please prevent tip from getting stuck and vibrating in root canal.



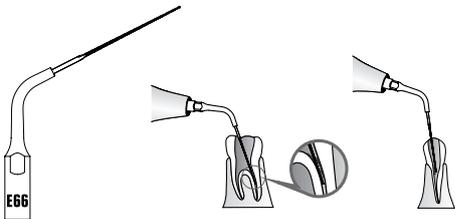
MODE: E



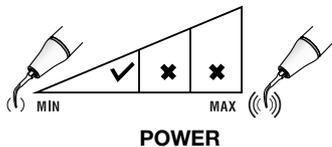
## E66(ED66)

Function: Used for irrigation of root canal after root canal preparation, so as to rinse out the debris. Dimensions: Diameter of file tip:  $\text{O}\text{O}.15\text{mm}$ ; taper 2%; length of thread working part: 16mm

Features: The working part has a sharp K-shaped spiral shape, which has strong cutting ability. It can effectively clean out the debris in root canal by using it under low power. Recommended service life: 30~50 root canals Note: (1) In order to ensure the service life of the tip, it is recommended to use it according to the recommended method: first perform the external debugging, start the foot pedal under power level 1, ensure the water output is normal, and adjust the power (level 1~3) according to individual need to ensure that the water output can reach the tip end (the water can reach the tip end through adjusting water volume). After all the above steps, start root canal irrigation. (2) During irrigation, in order to avoid instrument fracture, please prevent tip from getting stuck and vibrating in root canal. (3) The top edge of ED66 tip is sharp. Please pay special attention to the operation at high power during the irrigation. Otherwise it will cause non-therapeutic damage to the root canal wall.



MODE: E



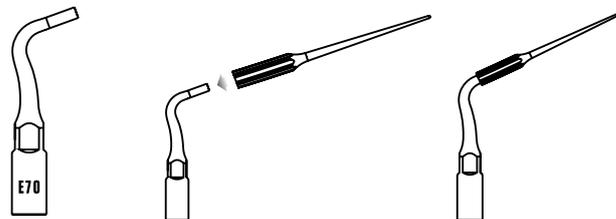
## E70(ED70/EK70)

Endochuck, used to install E71, E72, E73 or E74 for root canal cleaning or irrigation. Power level 1-3 in E mode of Ultrasonic Scaler. Used for root canal irrigation after the root canal preparation.

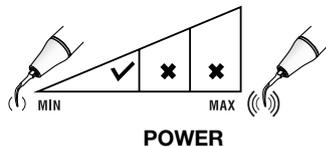
The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely.

Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning.

Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.



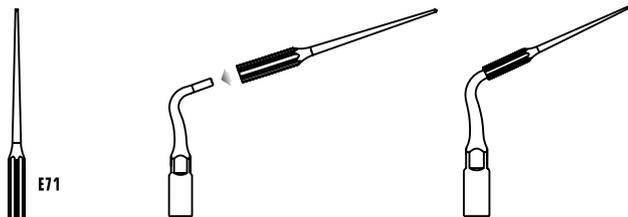
MODE: E



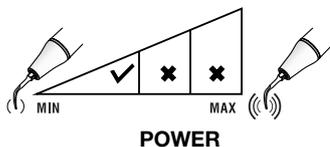
## E71

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely. Power level 1-3 in E mode of Ultrasonic Scaler.

Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning. Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.



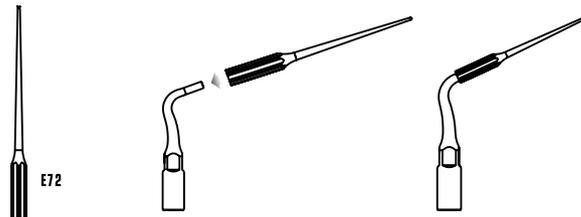
### MODE: E



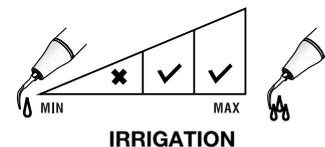
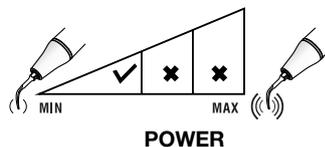
## E72

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely. Power level 1-3 in E mode of Ultrasonic Scaler.

Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning. Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.

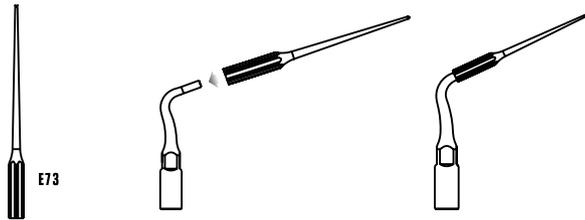


### MODE: E

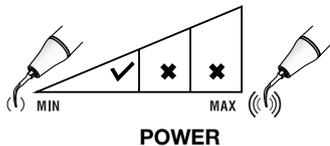


## E73

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely. Power level 1-3 in E mode of Ultrasonic Scaler.



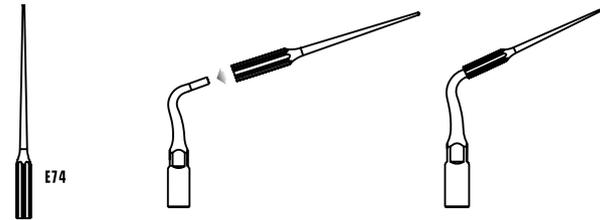
MODE: E



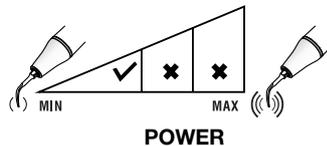
## E74

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely. Power level 1-3 in E mode of Ultrasonic Scaler.

Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning. Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.

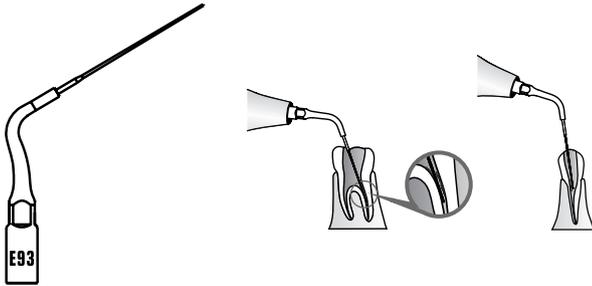


MODE: E



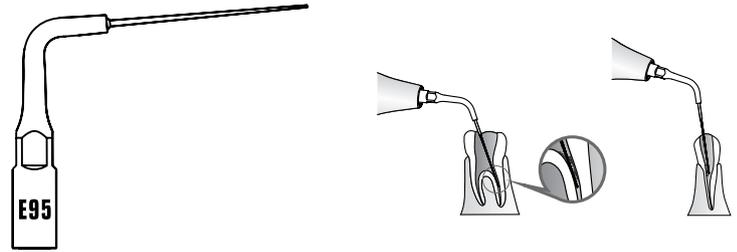
## E93

Function: Used for root canal irrigation after the root canal preparation.  
Dimensions: Smooth tip, 20#, taper 1%, tip end length 21.5mm.  
Material: Ni-Ti



## E95

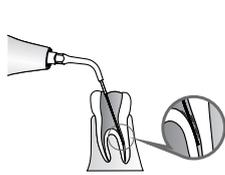
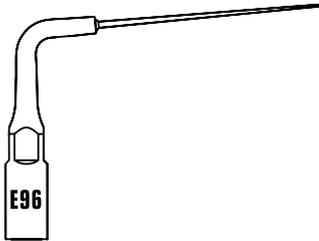
Function: Used for root canal irrigation after the root canal preparation.  
Dimensions: Smooth tip, 20#, taper 2%, tip end length 18mm. Material: Stainless steel



**(Only suitable for Ultrasonic Endo Activator)**

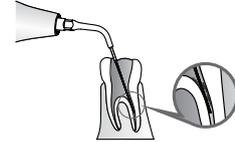
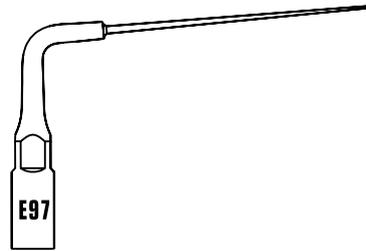
## E96

Function: Used for root canal irrigation after the root canal preparation.  
Dimensions: Smooth tip, 20#, taper 2%, tip end length 21mm. Material:  
Stainless steel



## E97

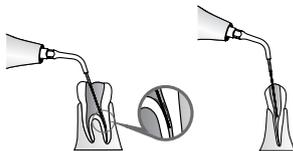
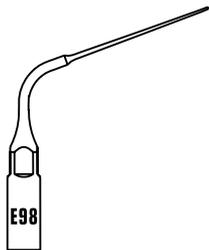
Function: Used for root canal irrigation after the root canal preparation.  
Dimensions: Smooth tip, 20#, taper 2%, tip end length 25mm. Material:  
Stainless steel



**(Only suitable for Ultrasonic Endo Activator)**

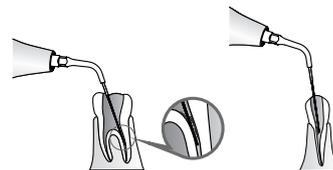
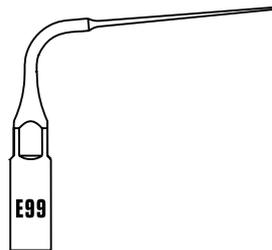
## E98

Function: Used for root canal irrigation after the root canal preparation.  
Dimensions: Smooth tip, 25#, taper 2%, tip end length 18mm. Material:  
Ni-Ti



## E99

Function: Used for root canal irrigation after the root canal preparation.  
Dimensions: Smooth tip, 20#, taper 2%, tip end length 18mm. Material:  
Ni-Ti

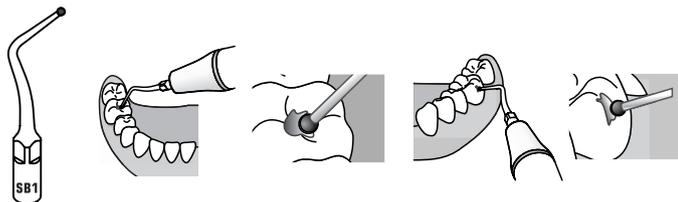


**(Only suitable for Ultrasonic Endo Activator)**

## SB1 (SBD1)

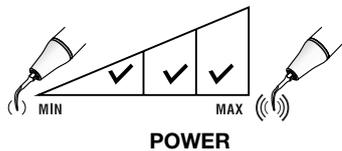
Diamond-coated(85µm) instrument for removing the caries on occlusal surface of teeth and dental neck.

Place the instrument on the pit and move slowly into it with light pressure.



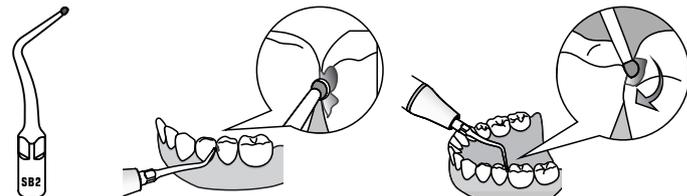
Demo Video

MODE: P



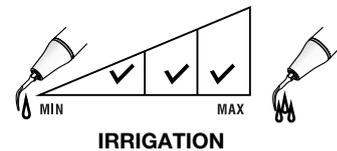
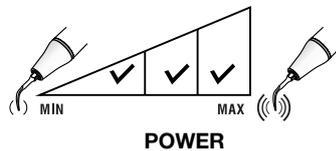
## SB2 (SBD2)

Diamond-coated(85µm) instrument for removing the caries on Mesial surface of the adjacent teeth.



Demo Video

MODE: P



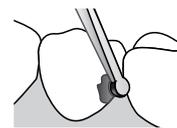
## SB3 (SBD3)

Diamond-coated(85µm) instrument for removing the caries on Distal surface of the adjacent teeth.



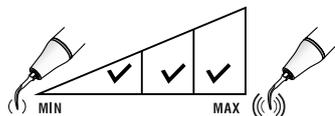
## SBL (SBDL)

Diamond-coated(85µm) instrument for removing the dental caries, it will not hurt the adjacent teeth from right to left 45 degree.

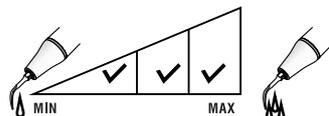


Demo Video

MODE: P



POWER

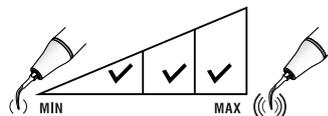


IRRIGATION

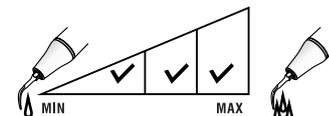


Demo Video

MODE: P



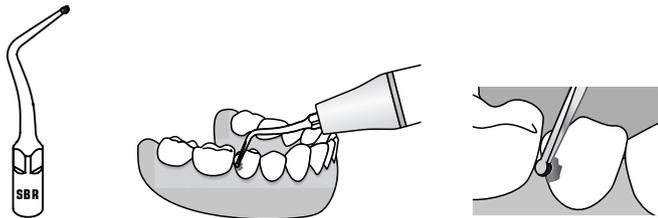
POWER



IRRIGATION

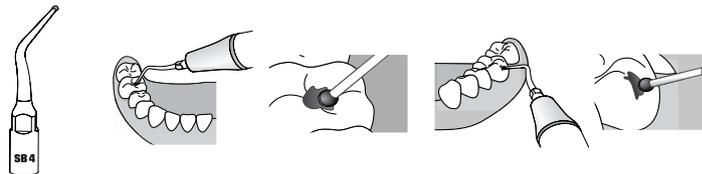
## SBR(SBDR)

Diamond-coated(85µm) instrument for removing the dental caries, it will not hurt the adjacent teeth from left to right 45 degree.



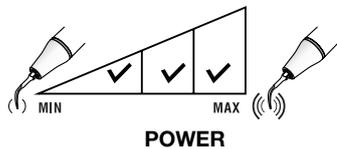
## SB4

Used to remove dental caries at upper and lower occlusal surfaces and neck of teeth.

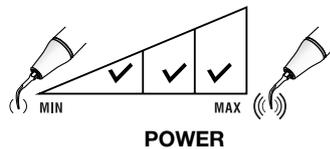


Demo Video

MODE: P

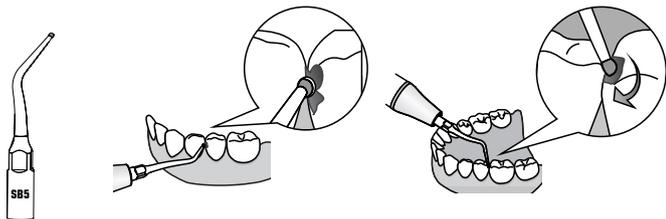


MODE: P



## SB5 (SBD5)

Used to remove the mesial surface caries of adjacent teeth. Diamond-coated tip head (90µm) (except internal part); the adjacent teeth will not be hurt during mesial cavity preparation.

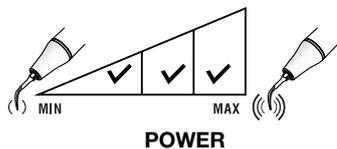


## SB6 (SBD6)

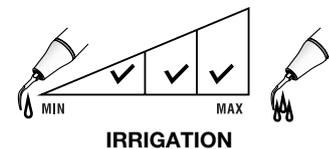
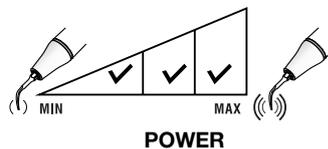
Used to remove the mesial surface caries of adjacent teeth. Diamond-coated tip head (90µm) (except external part); the adjacent teeth will not be hurt during mesial cavity preparation.



MODE: P

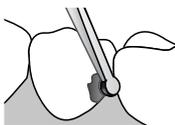


MODE: P



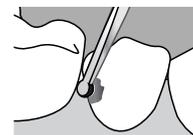
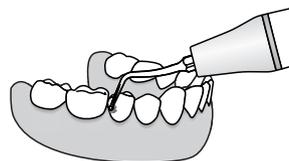
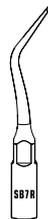
## SB7L(SBD7L)

Used to remove the proximal surface caries. Diamond-coated (90µm) tip with round head. The adjacent teeth will not be hurt while accessing the caries part in 45 ° from left side.

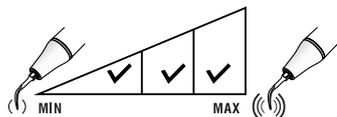


## SB7R(SBD7R)

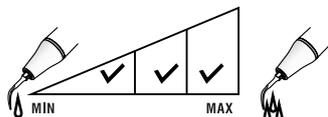
Used to remove the proximal surface caries. Diamond-coated (90µm) tip with round head. The adjacent teeth will not be hurt while accessing the caries part in 45 ° from right side.



MODE: P

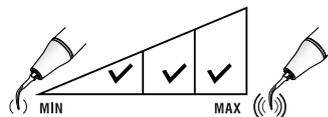


POWER

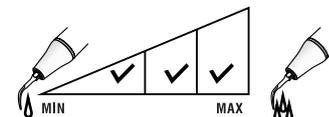


IRRIGATION

MODE: P



POWER

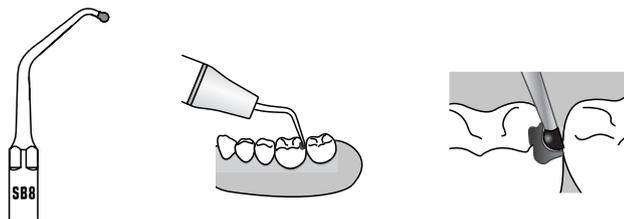


IRRIGATION

## SB8 (SBD8)

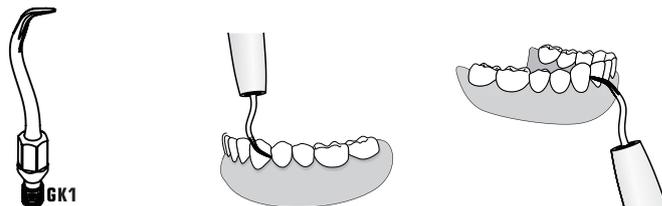
The round surface of the tip end is diamond-coated (85µm), which is used to remove caries from adjacent tooth surfaces.

Place the diamond-coated surface of the tip end in the cavity, and gently apply pressure and slowly rotate it.

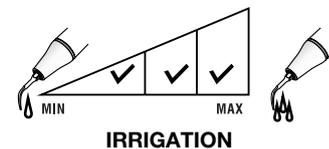
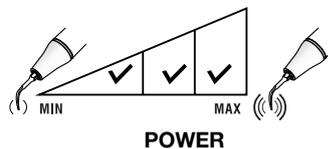
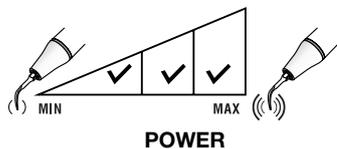


## GK1

Removal of supragingival deposits in all quadrants.

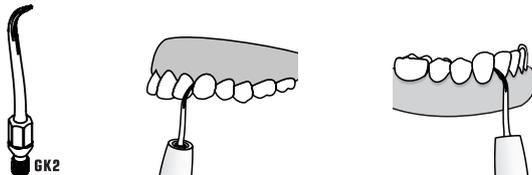


### MODE: P



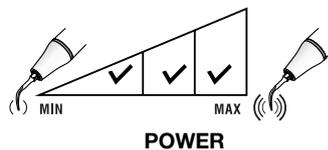
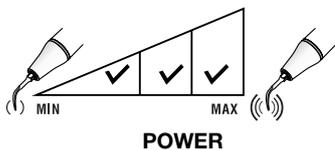
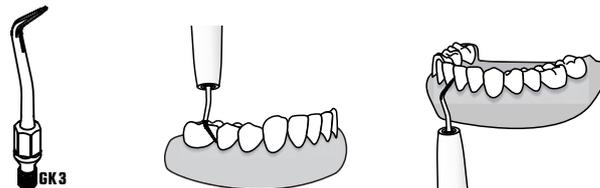
## GK2

Removal of supragingival heavy calculus and plaque.



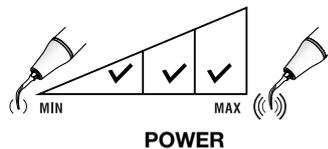
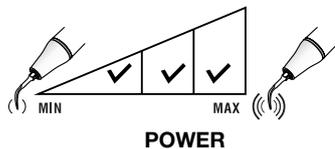
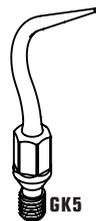
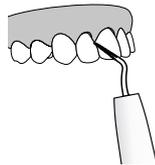
## GK3

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.



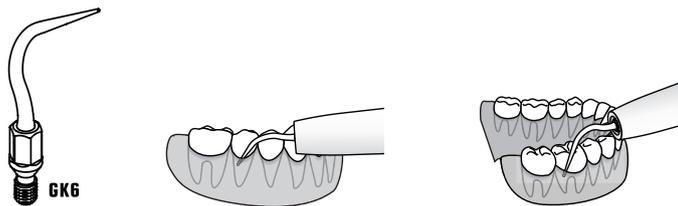
# GK4

Removal of supragingival deposits, including the interproximal and sulcus areas.



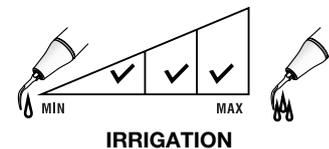
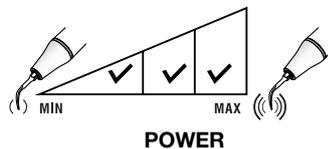
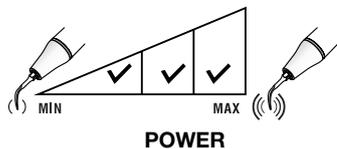
# GK6

Left-angled, removal of subgingival calculus.



# GK7

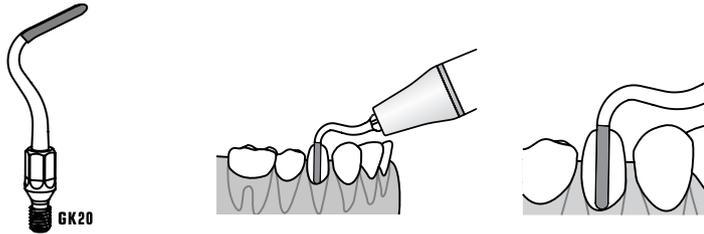
Right-angled, removal of subgingival calculus.



# GK20

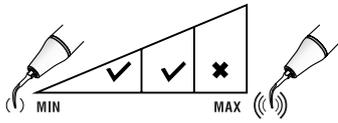
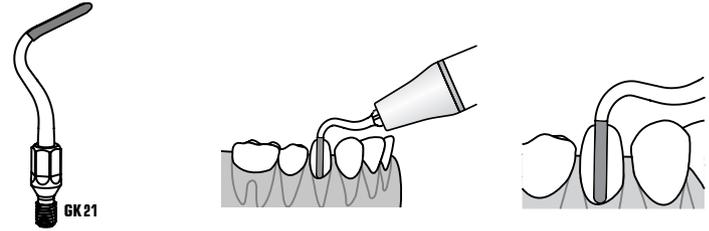
There are diamonds coated (120um grit) on the head of the tip for dentin abrading.

It's used for "supragingival shoulder" preparation after the completion of the preparation of the "subgingival shoulder" with bur.

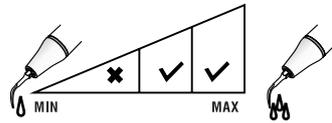


# GK21

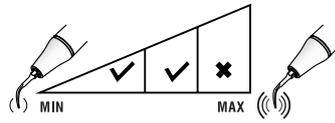
There are diamonds coated (50um fine sand) on the head of the tip for dentin abrading, mainly used for polishing of prepared supragingival shoulder and subgingival shoulder.



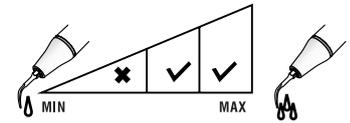
POWER



IRRIGATION



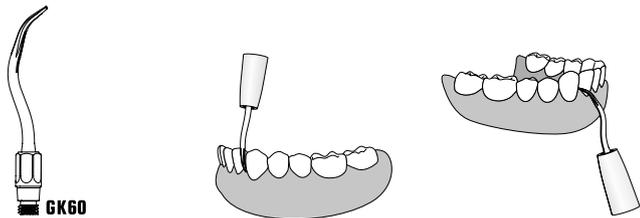
POWER



IRRIGATION

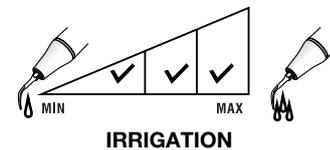
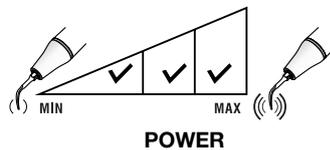
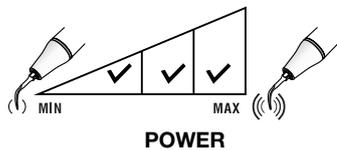
# GK60

Removal of supragingival deposits in all quadrants.



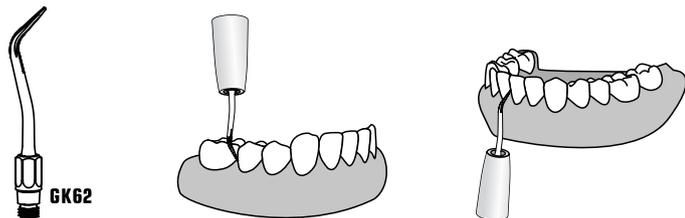
# GK61

Removal of supragingival heavy calculus and plaque.



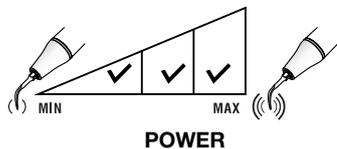
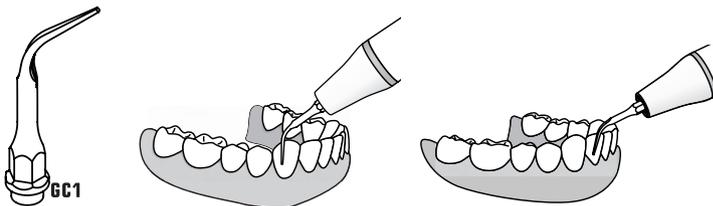
# GK62

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.

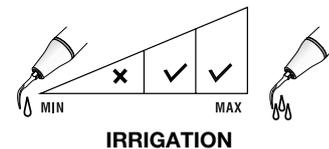
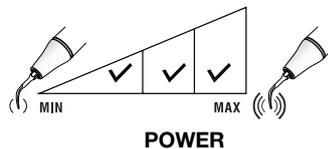


# GC1

Removal of supragingival deposits in all quadrants.

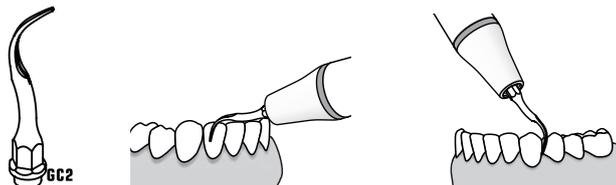


MODE: G



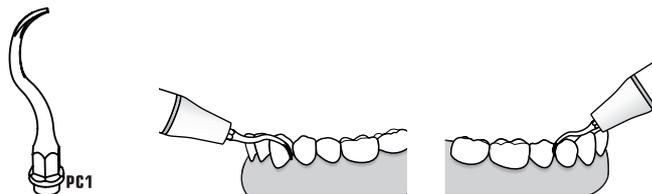
## GC2

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.

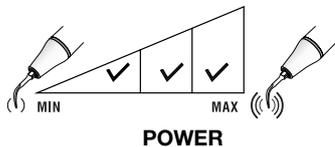


## PC1

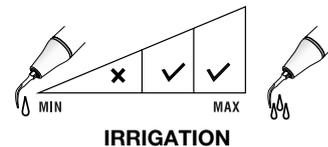
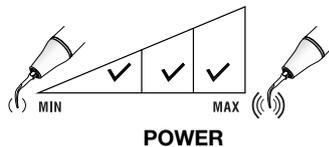
Removal of subgingival calculus, including the interproximal and sulcus areas.



### MODE: G

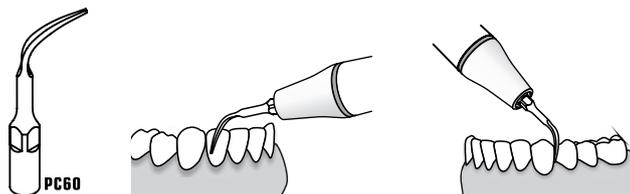


### MODE: P



# PC60

Recommended for the treatment of interproximal spaces and for supragingival scaling.



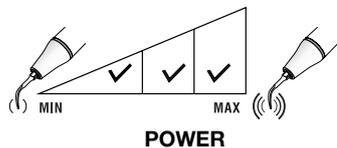
# PC61

Function: used to remove the calculus at shallow periodontal pocket and treat the adjacent tooth surface and ditch area.

Features: The tip is flat and wide, which can be used to clean the teeth surface at subgingival 1/4 and the supragingival part.

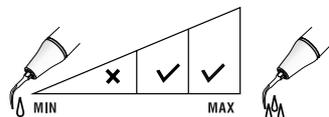


MODE: P

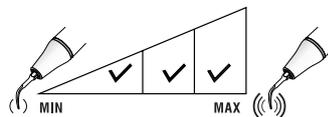


POWER

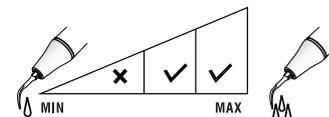
MODE: P



IRRIGATION



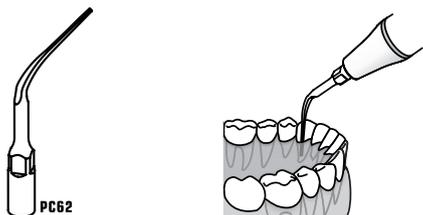
POWER



IRRIGATION

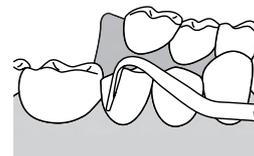
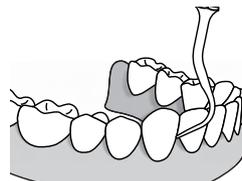
# PC62

Recommended for cleaning and irrigating of periodontal deep pockets.

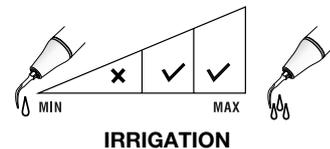
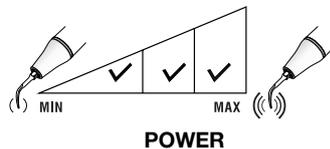
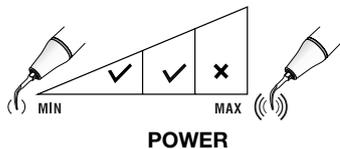


# A1

Removal of supragingival deposits, including the interproximal and sulcus areas.

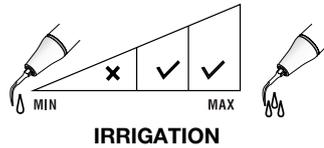
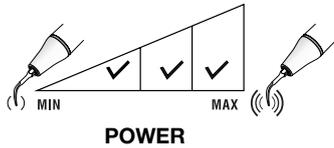
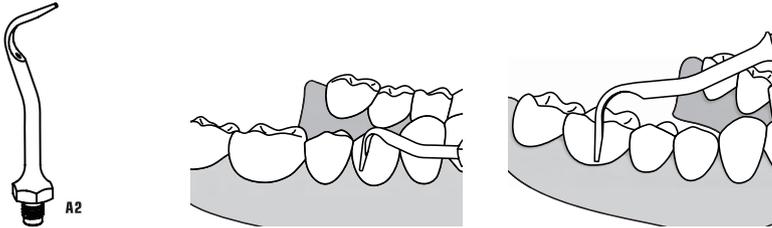


MODE: P

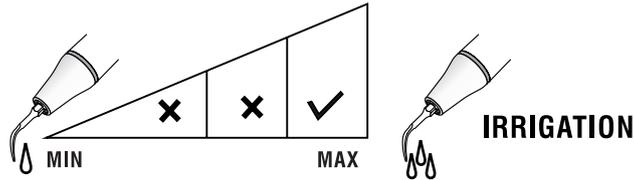


# A2

Removal of supragingival deposits in all quadrants, including neck and adjacent part of the teeth.



# Ultrasonography Tip



Meaning of the above symbols:

Water volume

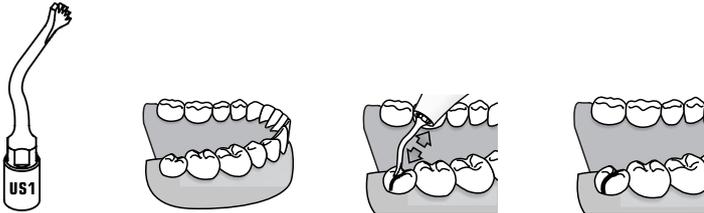
The first grid indicates that the water volume is 0-30%.

The second grid indicates that the water volume is 30% -60%.

The third grid indicates that the water volume is 60% -100%.

# US1

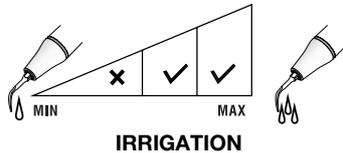
High effectiveness osteotomy of large bone sections during maxillofacial surgery, it can also be used for exodontia exodontics.



**MODE: BONE**

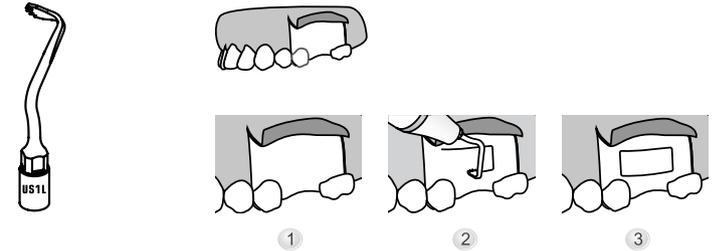
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# US1L

Left angle 90°, horizontal osteotomy technique in maxilla and mandible



**MODE: BONE**

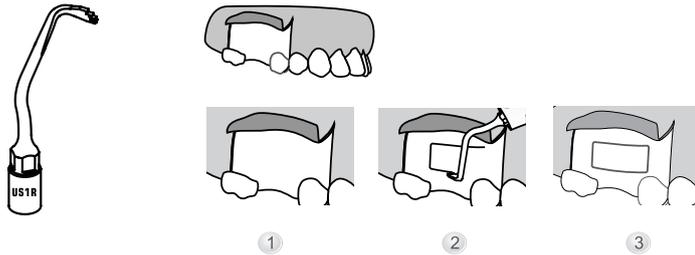
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



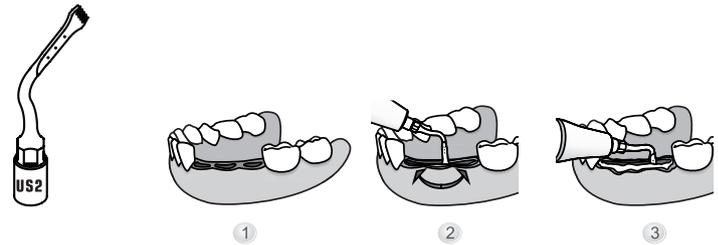
# US1R

Right angle 90°, horizontal osteotomy technique in maxilla and mandible.



# US2

High effectiveness osteotomy technique in maxilla and mandible (ridge expansion, corticotomy technique, bone block grafting).



**MODE: BONE**

**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongy)



**MODE: BONE**

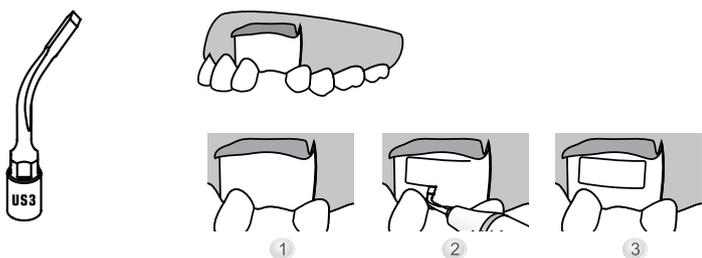
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongy)



# US3

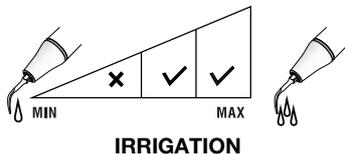
Osteotomy: osteotome of great precision in anatomically thin structures.



**MODE: BONE**

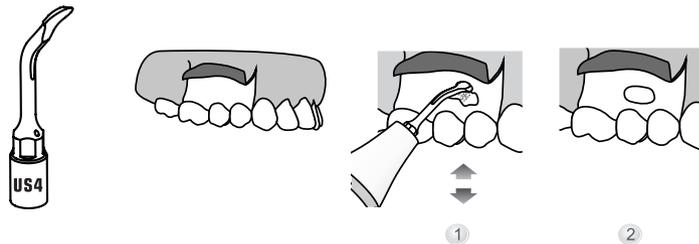
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# US4

Universal osteoplasty: periodontal osteotomy, bone chips harvesting, inflammatory tissue removal (cyst, etc.).



**MODE: BONE**

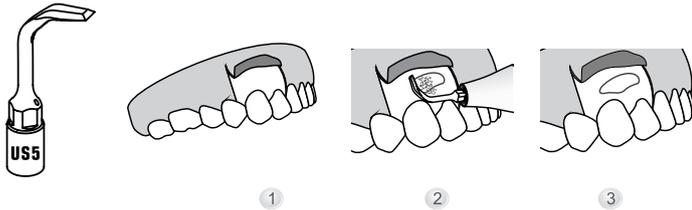
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# US5

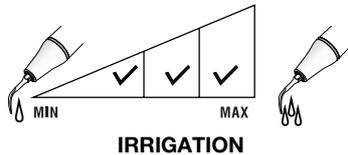
High efficiency bone osteoplasty: bone remodelling and harvesting of bone chips



**MODE: BONE**

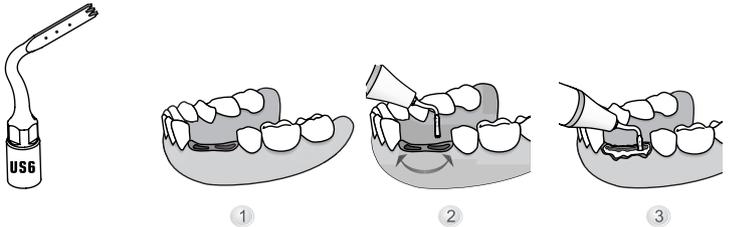
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# US6

Osteotomy: osteotome of great precision in anatomically thin structures(ridge expansion, corticotomy technique).



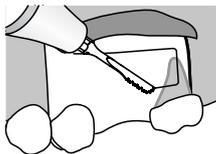
**MODE: BONE**

**POWER: Special**

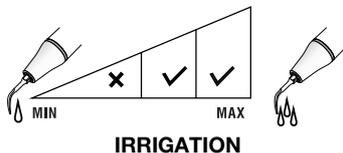


# US13

For osteotomy and the removal of apex in posterior teeth area.

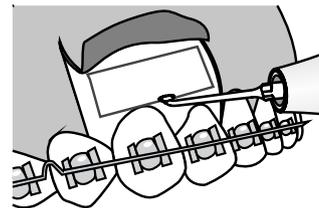
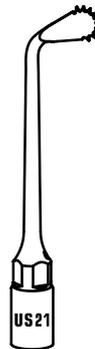


**MODE: BONE**  
**POWER: Special**



# US21

Used for bone cutting. Fan-shaped serration, more convenient for cutting in different angle.

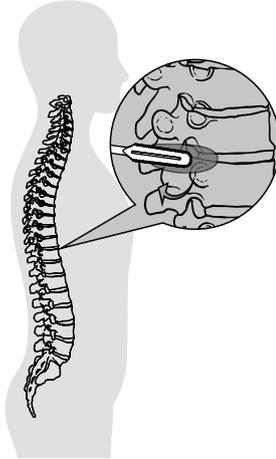


**MODE: BONE**  
**POWER: Special**

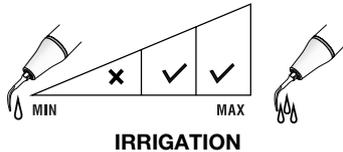


# US25

Used for bone surgery.

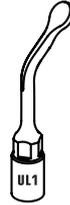


**MODE: BONE**  
**POWER: Special**

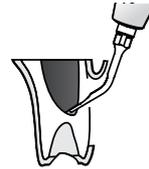


# UL1

Tip angle 120°, separation of the sinus membrane in internal zones, non-cutting elevator of the sinus membrane.



1



2



3



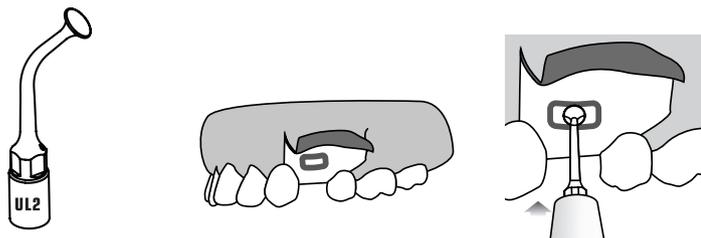
4

**MODE: ROOT**  
**POWER:**  
Endo (Maximum power permitted)



## UL2

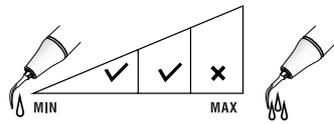
Schneiderian membrane separation from bony walls: separation of the sinus membrane.



**MODE: ROOT**

**POWER:**

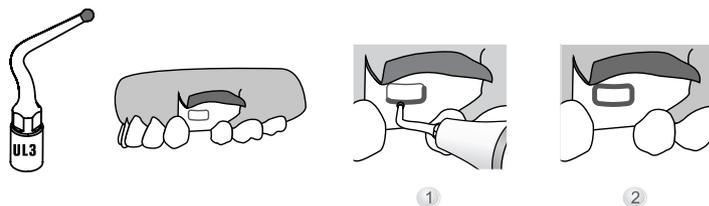
Endo (Maximum power permitted)



**IRRIGATION**

## UL3

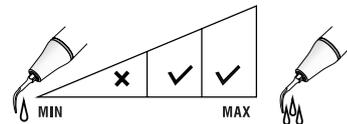
Diamond-coated(100µm) instrument for micrometric osteotomy or osteoplasty: non-traumatic, to finalize the osteotomy or osteoplasty on thin bone and/or near delicate anatomic structures.



**MODE: BONE**

**POWER:**

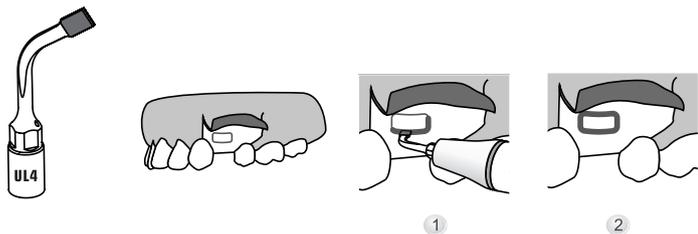
Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



**IRRIGATION**

# UL4

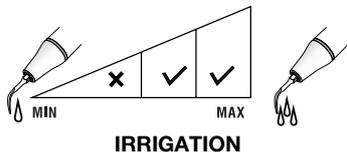
Diamond-coated(100μm) instrument for micrometric osteotomy: to finalize the osteotomy in proximity of soft tissue (sinus membrane, vessel, alveolar nerve).



**MODE: BONE**

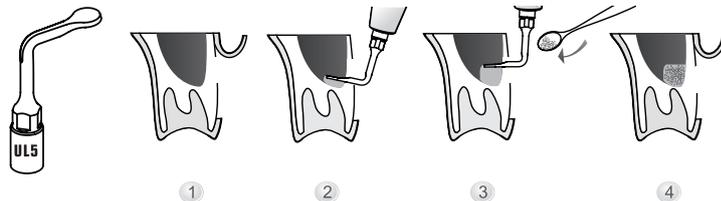
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# UL5

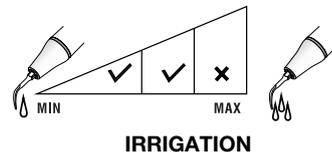
Tip angle 95°, separation of the sinus membrane in internal zones, non-cutting elevator of the sinus membrane.



**MODE: ROOT**

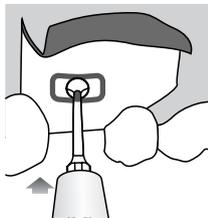
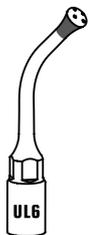
**POWER:**

Endo (Maximum power permitted)



## UL6

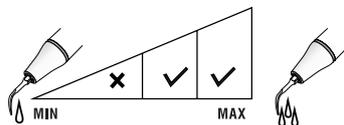
The head is Ø3mm in diameter and equipped with four water outlets for better separation of the maxillary sinus periosteum. The diamond-coated portion allows for trimming of the edges of the bone window.



**MODE: BONE**

**POWER:**

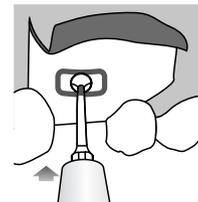
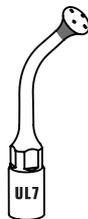
Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



**IRRIGATION**

## UL7

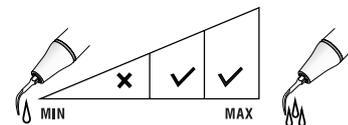
The head is Ø4.5mm in diameter and equipped with four water outlets for better separation of the maxillary sinus periosteum. The diamond-coated portion allows for trimming of the edges of the bone window.



**MODE: BONE**

**POWER:**

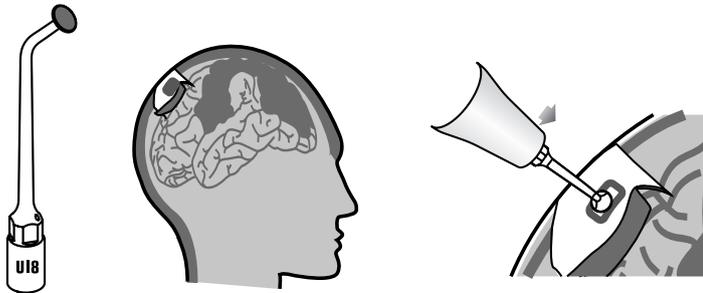
Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



**IRRIGATION**

# UL8

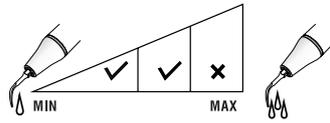
Diamond-coated head (100µm), used for non-traumatic osteotomy and osteoplasty near soft tissue and thin bone region.



**MODE: ROOT**

**POWER:**

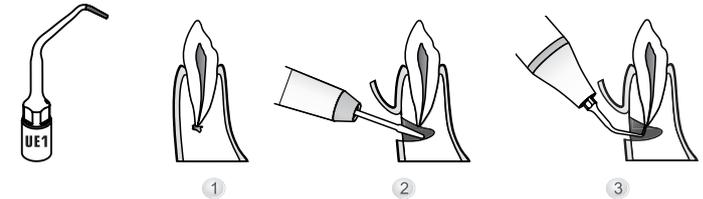
Endo (Maximum power permitted)



**IRRIGATION**

# UE1

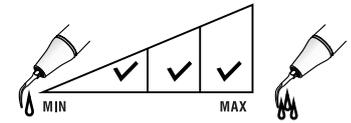
Diamond-coated(40µm) instrument for apical root debridement: diamond-coated instrument for efficient root planning. The length of the diamond-coated on tip is (3.3mm).



**MODE: ROOT**

**POWER:**

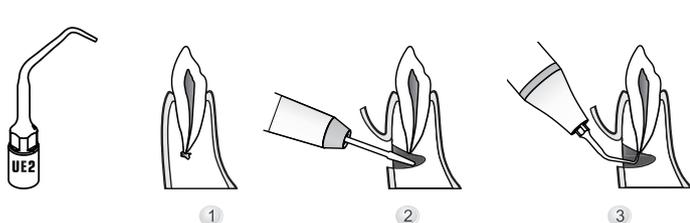
Endo (Maximum power permitted)



**IRRIGATION**

## UE2

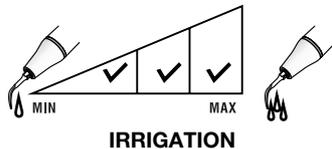
Used for gentle canal cleaning. The length of tip slender smooth part is (4.5mm).



**MODE: ROOT**

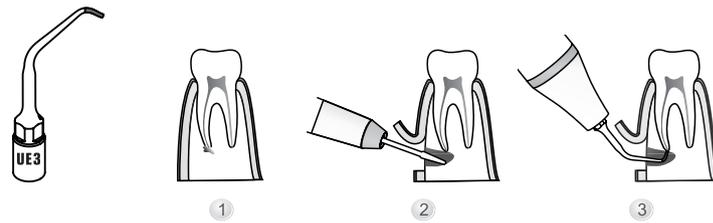
**POWER:**

Endo (Maximum power permitted)



## UE3

Diamond-coated(40µm) instrument for apical root debridement: diamond-coated instrument for efficient root planning. The length of the diamond-coated on tip is (2.2mm).



**MODE: ROOT**

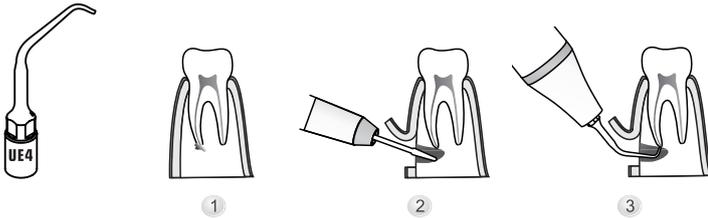
**POWER:**

Endo (Maximum power permitted)



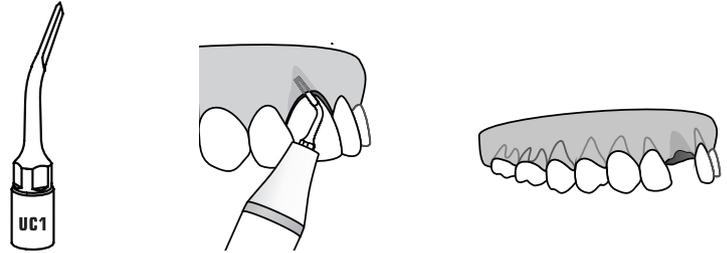
# UE4

Used for gentle canal cleaning. The length of tip slender smooth part is (3.5mm).



# UC1

Used to cut off the ankylosis and root fraction techniques.



**MODE: ROOT**

**POWER:**

Endo (Maximum power permitted)



**MODE: BONE**

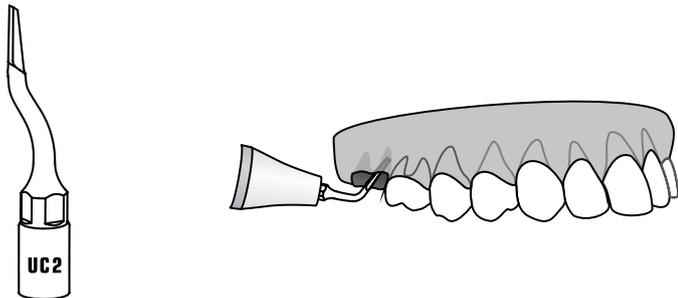
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



## UC2

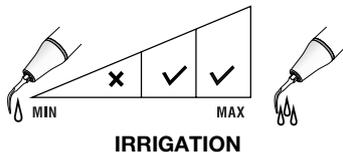
Left curved, Used to cut off the ankylosis, root fraction techniques in the posterior regions.



**MODE: BONE**

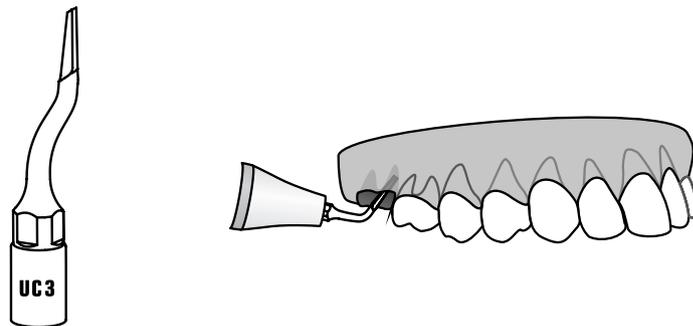
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



## UC3

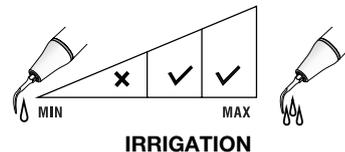
Right curved, Used to cut off the ankylosis, root fraction techniques in the posterior regions.



**MODE: BONE**

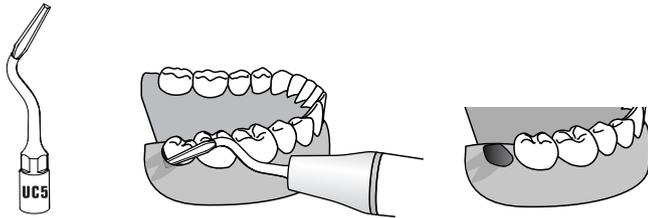
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



# UC5

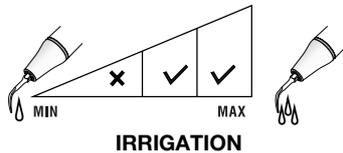
It is used for minimally invasive cutting of ligaments and tooth extractions, and is especially suitable for extraction of wisdom teeth with oblique angles.



**MODE: BONE**

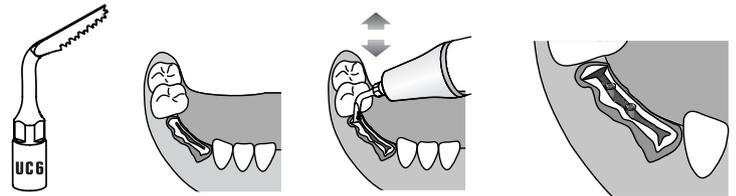
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



# UC6

For teeth extraction and alveolar bone splitting.



**MODE: BONE**

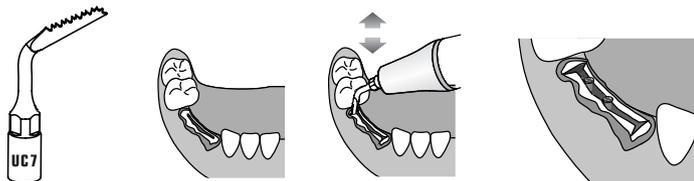
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



## UC7

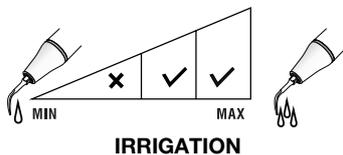
For teeth extraction and alveolar bone splitting.



**MODE: BONE**

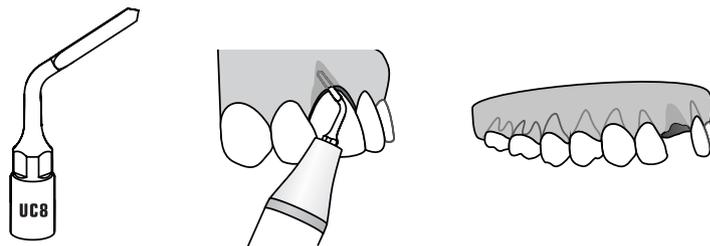
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



## UC8

It is used for minimally invasive cutting of ligaments and tooth extractions, with a very sharp and pointed tip extremity.



**MODE: BONE**

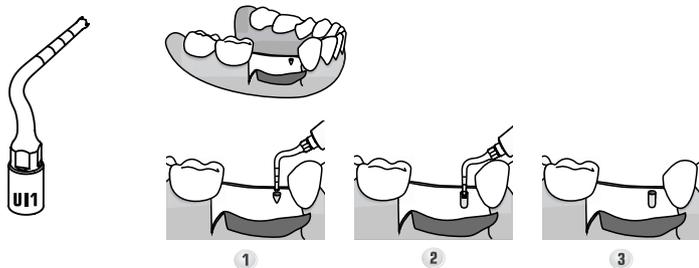
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



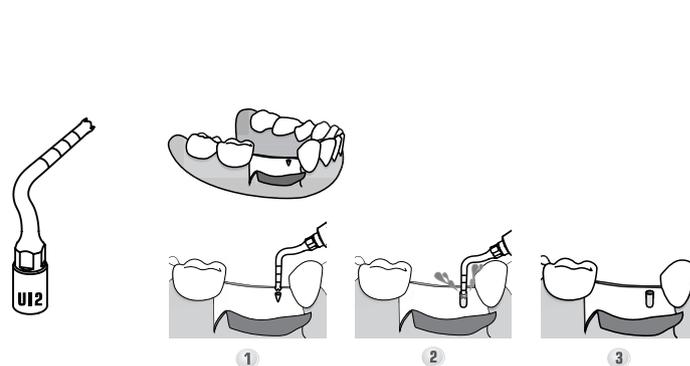
# UI1

Ø1.6mm implantation site preparation insert. The working length of the tip is (9mm).



# UI2

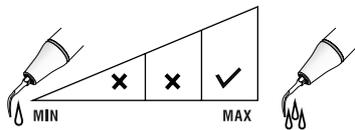
Ø2mm implantation site preparation insert. The hole at the center of the top for water spray maximum reduce the heat.



**MODE: BONE**

**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)

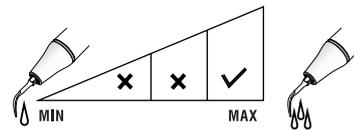


**IRRIGATION**

**MODE: BONE**

**POWER:**

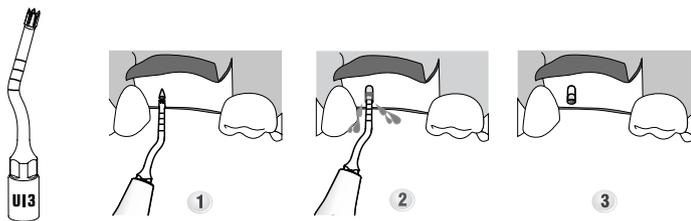
Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



**IRRIGATION**

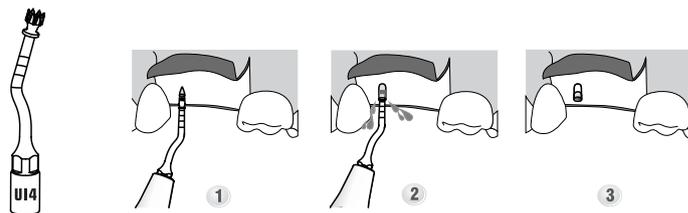
# UI3

Ø2mm implant preparation tip used in the anterior tooth area, with sharp tip extremity and water out from the center.



# UI4

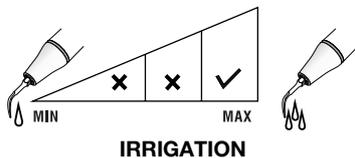
Ø3mm implant preparation tip used in the anterior tooth area, with sharp tip extremity and water out from the center.



**MODE: BONE**

**POWER:**

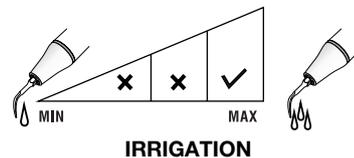
Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



**MODE: BONE**

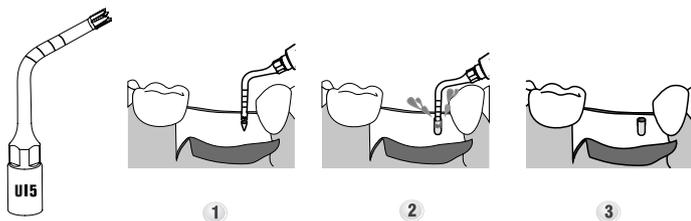
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# UI5

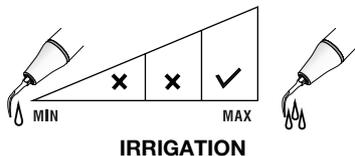
Ø2mm implant preparation tip used in the posterior tooth area, with sharp tip extremity and water out from the center.



**MODE: BONE**

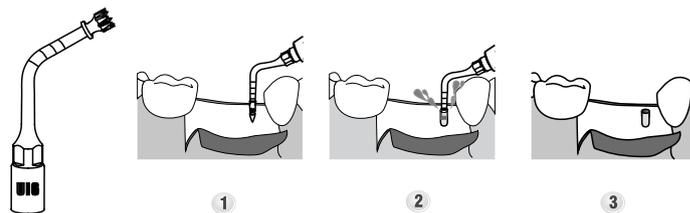
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongiuous)



# UI6

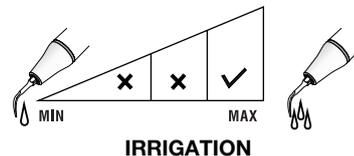
Ø3mm implant preparation tip used in the posterior tooth area, with sharp tip extremity and water out from the center.



**MODE: BONE**

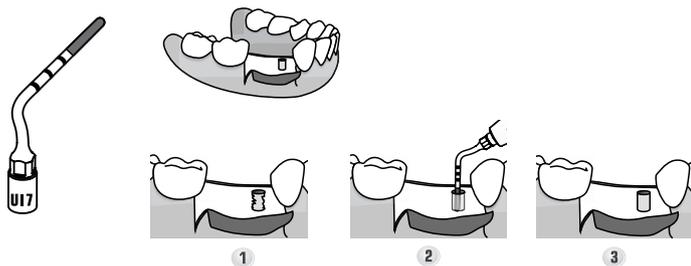
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongiuous)



# UI7

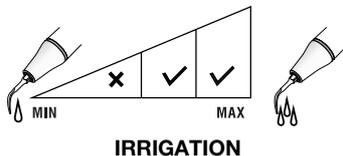
Diamond-coated(85µm) instrument for finalizing the implantation site preparation close to the alveolar nerve.



**MODE: BONE**

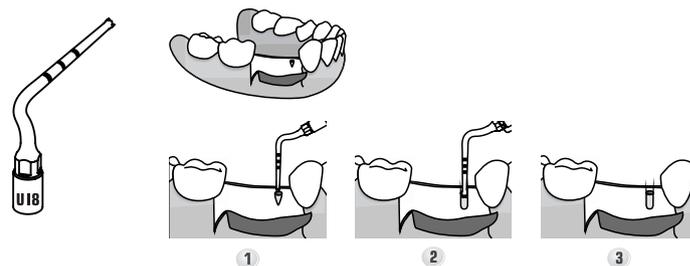
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



# UI8

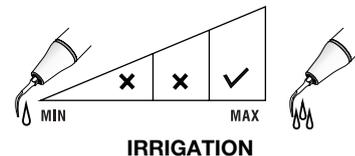
Ø1.6mm implantation site preparation insert. The working length of the tip is (15mm).



**MODE: BONE**

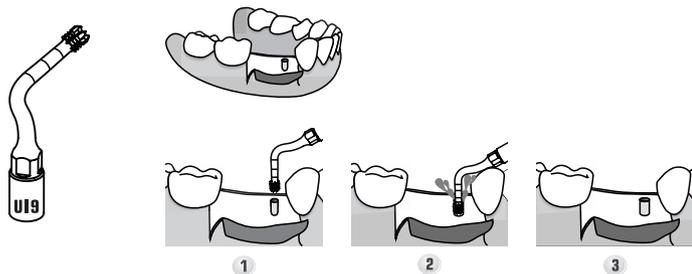
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongius)



# UI9

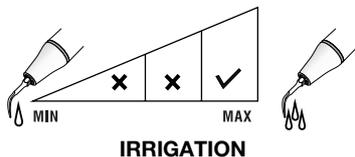
Ø2.8mm implantation site preparation insert . The hole at the center of the top for water spray maximum reduce the heat.



**MODE: BONE**

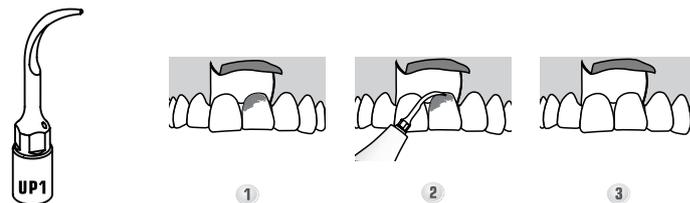
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



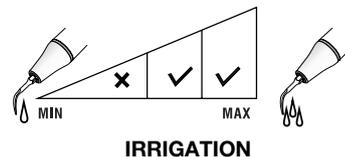
# UP1

Recommended for periodontal gentle curetting scaling.



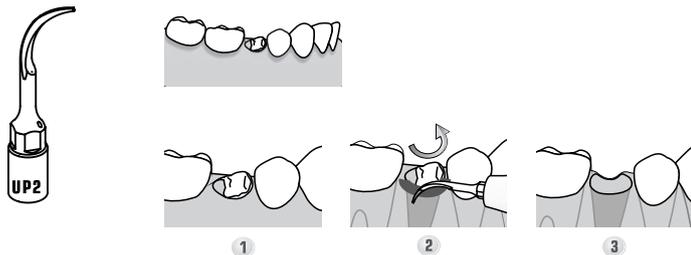
**MODE: ROOT**

**POWER: PERIO**

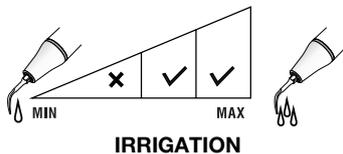


## UP2

Inflammatory tissue removal and fractured root apex extraction

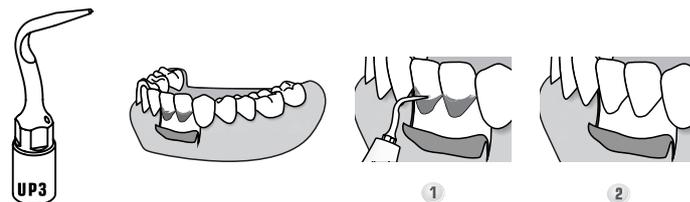


**MODE: ROOT**  
**POWER: PERIO**

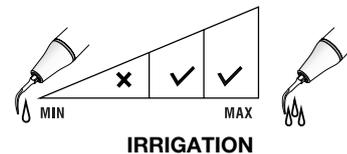


## UP3

Recommended for angled periodontal gentle curetting scaling.

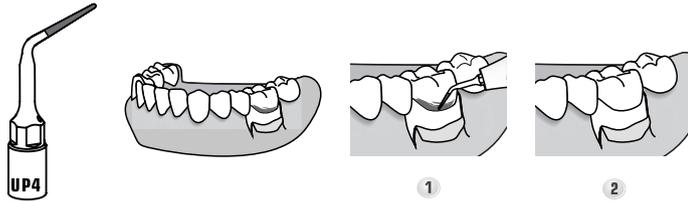


**MODE: ROOT**  
**POWER: PERIO**



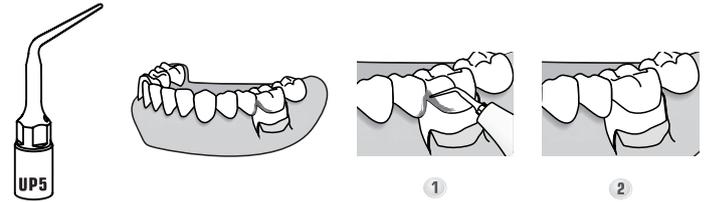
# UP4

Diamond-coated(40µm) instrument for root debridement and root planning.

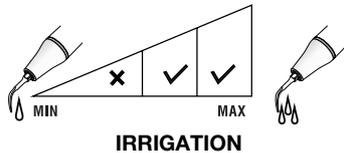


# UP5

Recommended for root surface micro-smoothing.



**MODE: ROOT**  
**POWER: PERIO**

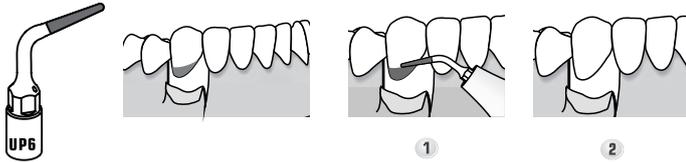


**MODE: ROOT**  
**POWER: PERIO**



# UP6

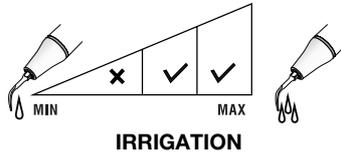
Diamond-coated(40µm) instrument for micro-osteoplasty: interproximal osteoplasty and root planning.



**MODE: ROOT**

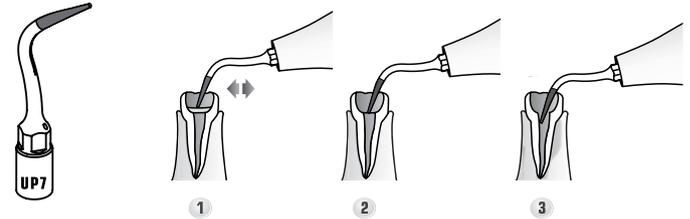
**POWER:**

Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



# UP7

Diamond-coated(40µm) instrument for root canal orientation and removal of the calcifications located at the 1/3 part of root canal, it can also be used for micro-osteoplasty.



**MODE: ROOT**

**POWER:**

Endo (Maximum power permitted)



## Attached list: Other tips

	Tip Model	Compatible Brand
<b>Scaling</b>	GS1/GS2/GS3/GS4/GS5/GS6/GS7/GS8	Compatible with Sirona Scalers
<b>Periodontics</b>	PS1/PS3/PS3D/PS4	
<b>Endodontics</b>	ES1/ES2/ES3/ES3D/ES4/ES4D/ES5/ES5D/ PS4D/ES8/ES10/ES10D/ES11/ES11D/ES14/ ES15	
<b>Scaling</b>	GK1/GK2/GK3/GK4/GK5/GK6/GK7/GK11/GK20/ GK21/GK60/GK61/GK62	Compatible with Kavo Scalers
<b>Endodontics</b>	EK8	
<b>Scaling</b>	GC1/GC2	
<b>Periodontics</b>	PC1/ PC61/PC61/PC62	Compatible with Amdent Scalers
<b>Scaling</b>	A1/A2	



[www.glwoodpecker.com](http://www.glwoodpecker.com)



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