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# Ultrasurgery Tip Book



# Bone surgery

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Dimensions Unit: mm

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# Periodontal surgery

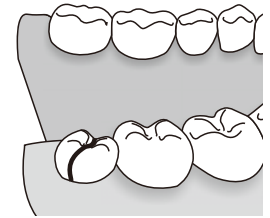
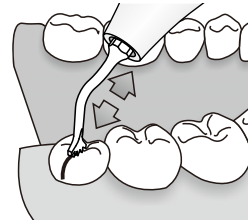
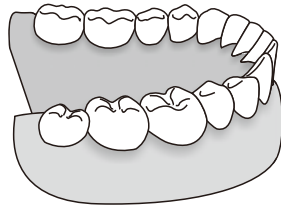
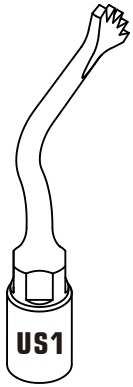
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Dimensions Unit: mm

Model		Page
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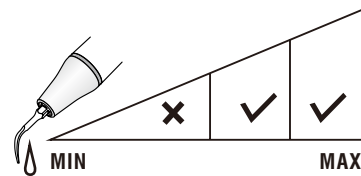
# US1

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



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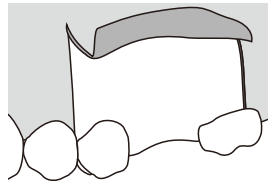
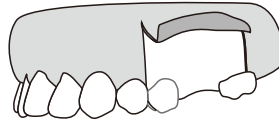
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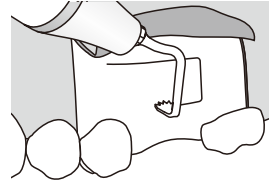
**IRRIGATION**

# US1L

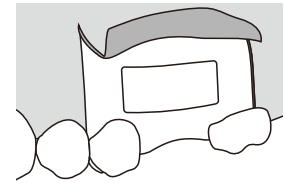
Left angle 90°, horizontal osteotomy technique in maxilla and mandible.



1



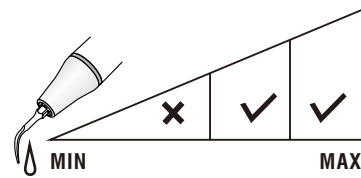
2



3

**MODE: BONE**

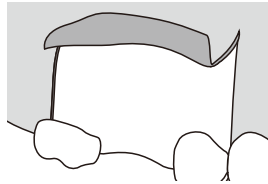
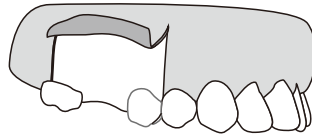
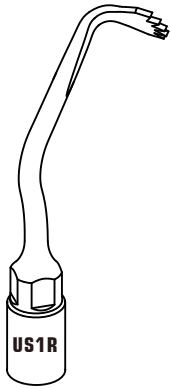
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



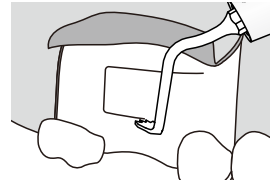
**IRRIGATION**

# US1R

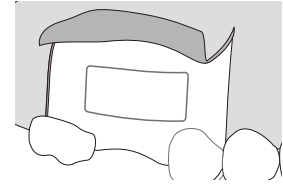
Right angle 90°, horizontal osteotomy technique in maxilla and mandible.



1



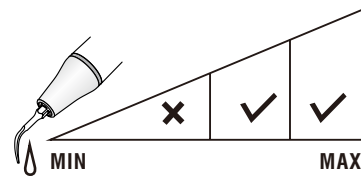
2



3

**MODE: BONE**

**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongius)

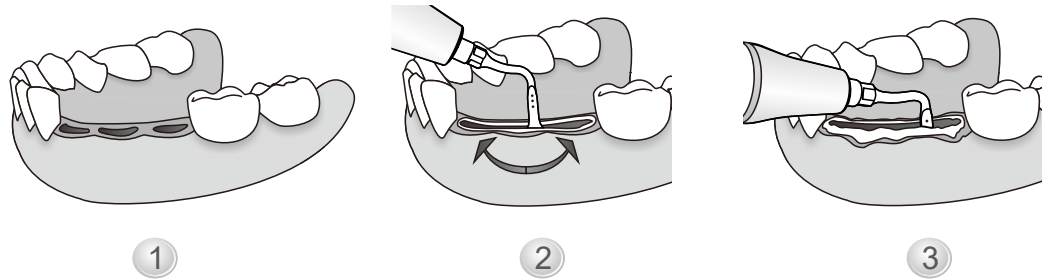
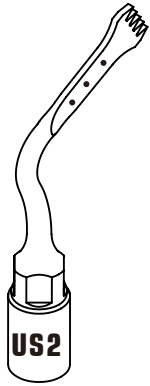


**IRRIGATION**



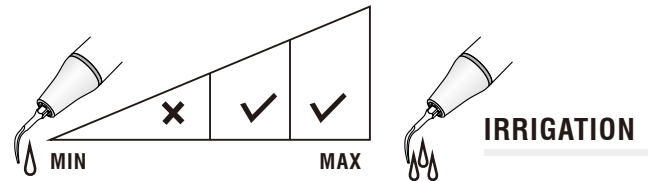
# US2

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



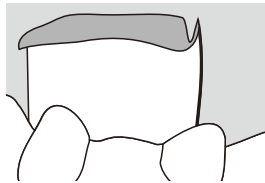
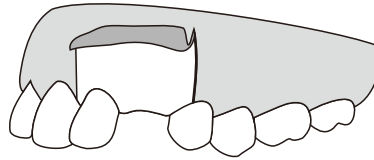
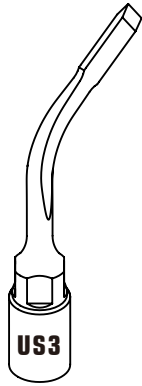
**MODE: BONE**

**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongiuous)

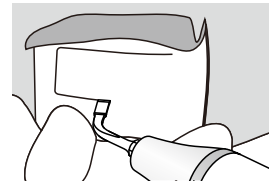


# US3

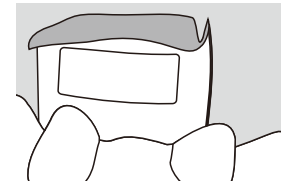
Osteotomy: osteotome of great precision in anatomically thin structures.



1



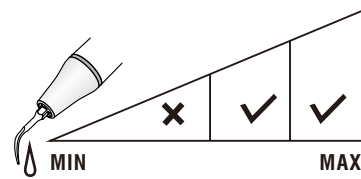
2



3

**MODE: BONE**

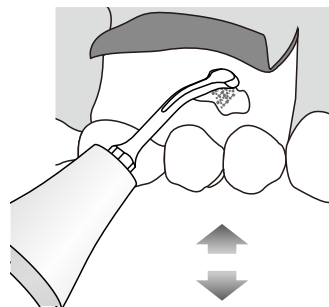
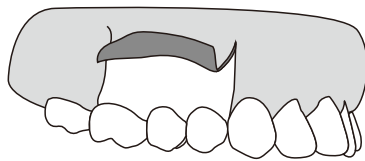
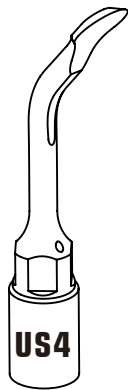
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



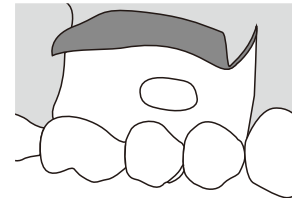
**IRRIGATION**

# US4

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



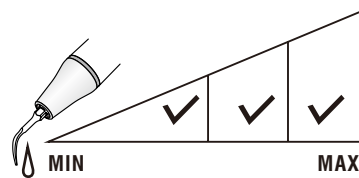
1



2

**MODE: BONE**

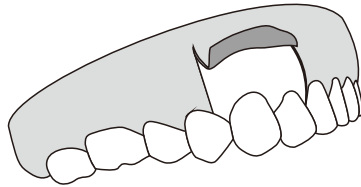
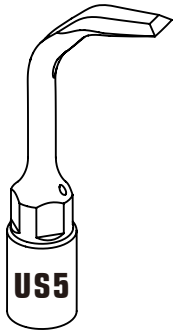
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongius)



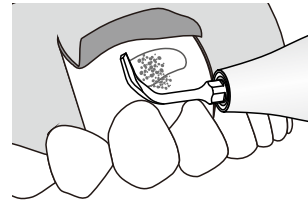
**IRRIGATION**

# US5

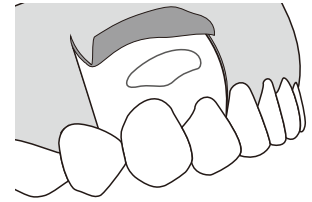
High efficiency bone osteoplasty: bone remodelling and harvesting of bone chips.



1



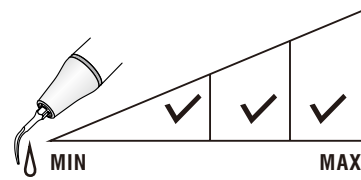
2



3

**MODE: BONE**

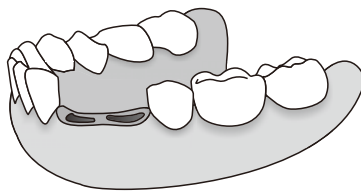
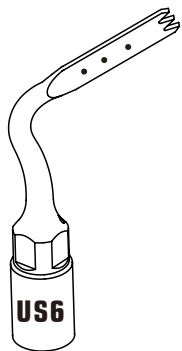
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



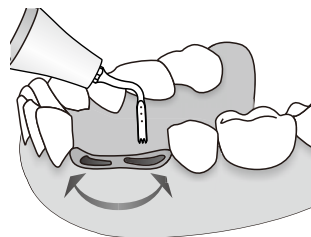
**IRRIGATION**

# US6

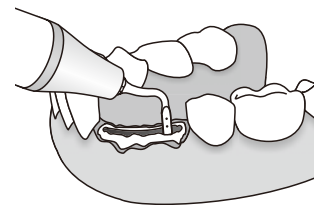
Osteotomy: osteotome of great precision in anatomically thin structures (ridge expansion, corticotomy technique).



1



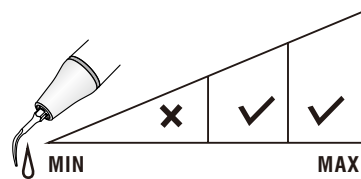
2



3

**MODE: BONE**

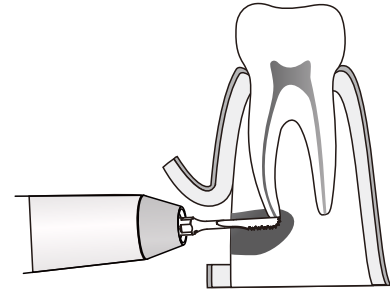
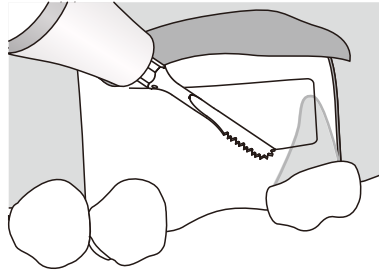
**POWER: Special**



**IRRIGATION**

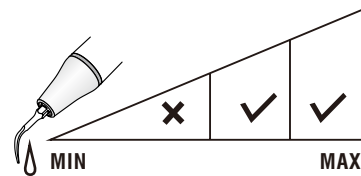
# US13

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



**MODE: BONE**

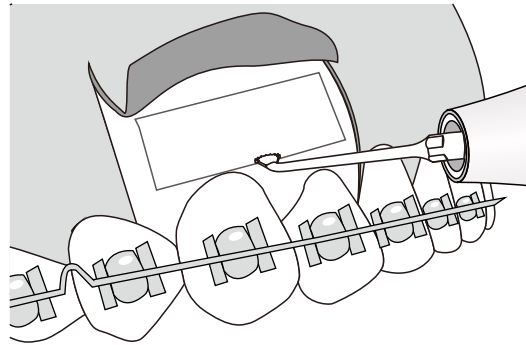
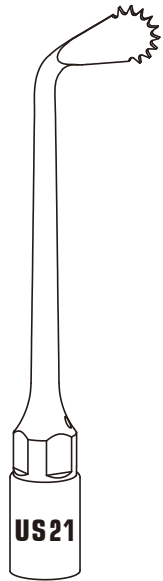
**POWER: Special**



**IRRIGATION**

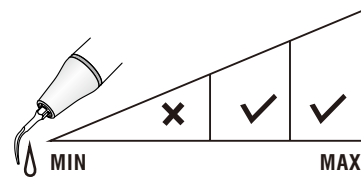
# US21

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



**MODE: BONE**

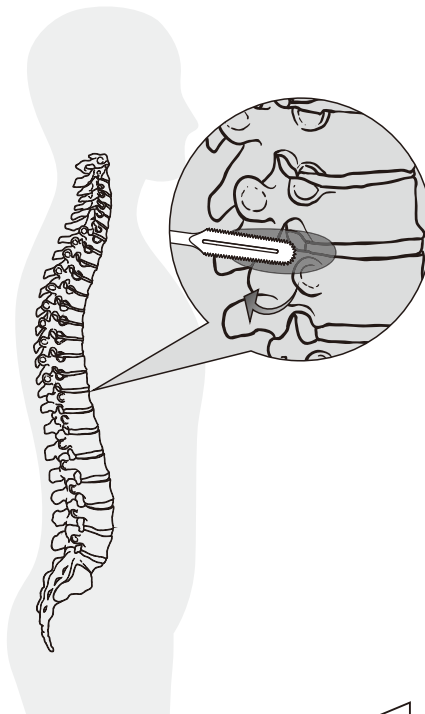
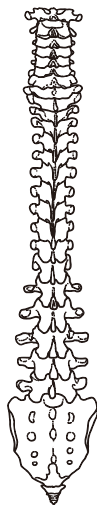
**POWER: Special**



**IRRIGATION**

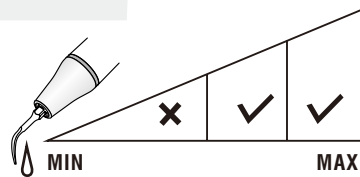
# US25

Used for bone surgery.



**MODE: BONE**

**POWER: Special**

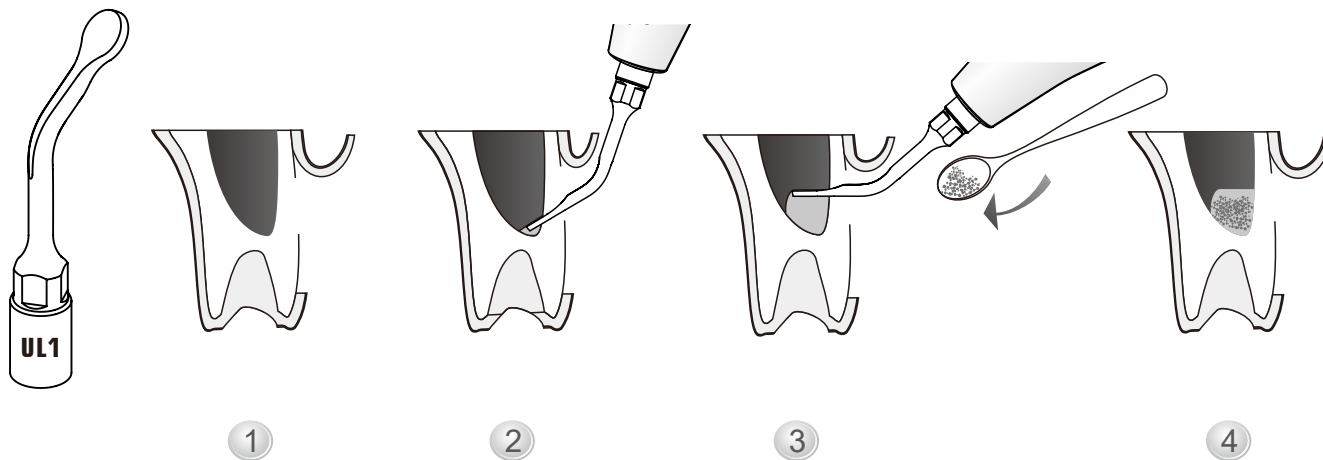


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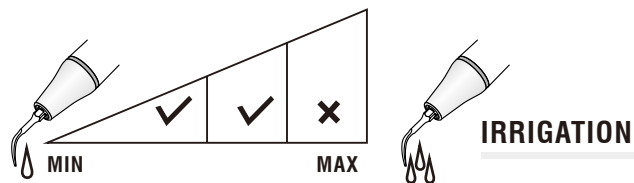
# UL1

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



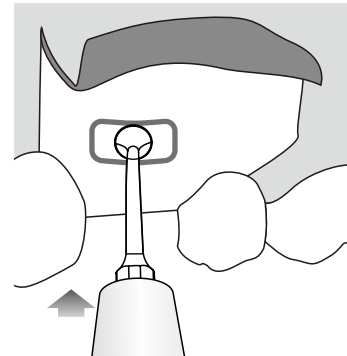
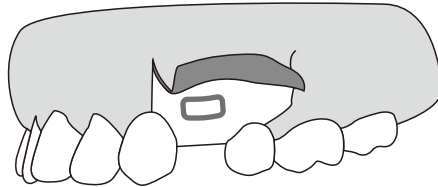
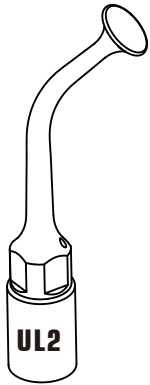
**MODE: ROOT**

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



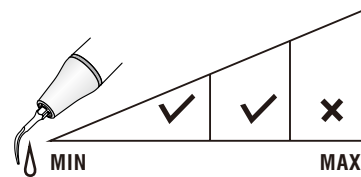
# UL2

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



**MODE: ROOT**

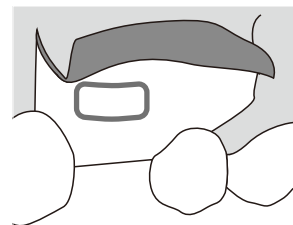
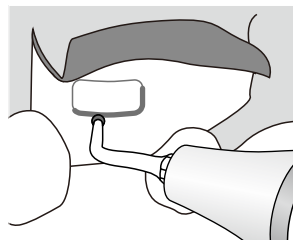
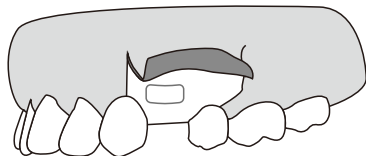
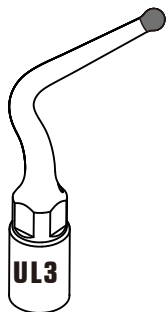
**POWER: Endo**(Maximum power permitted)



**IRRIGATION**

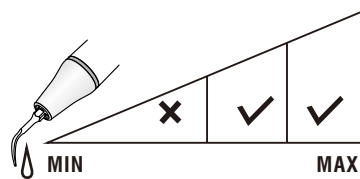
# UL3

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.



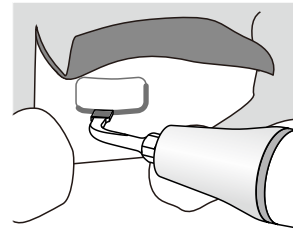
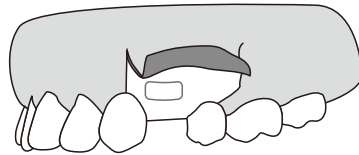
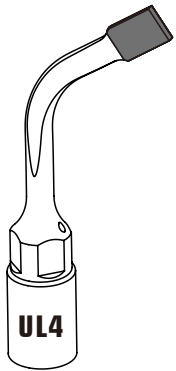
**MODE: BONE**

**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)

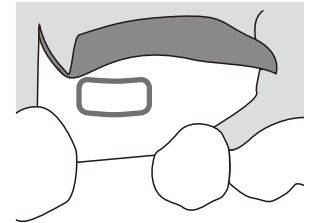


# UL4

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



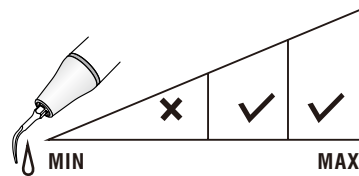
1



2

**MODE: BONE**

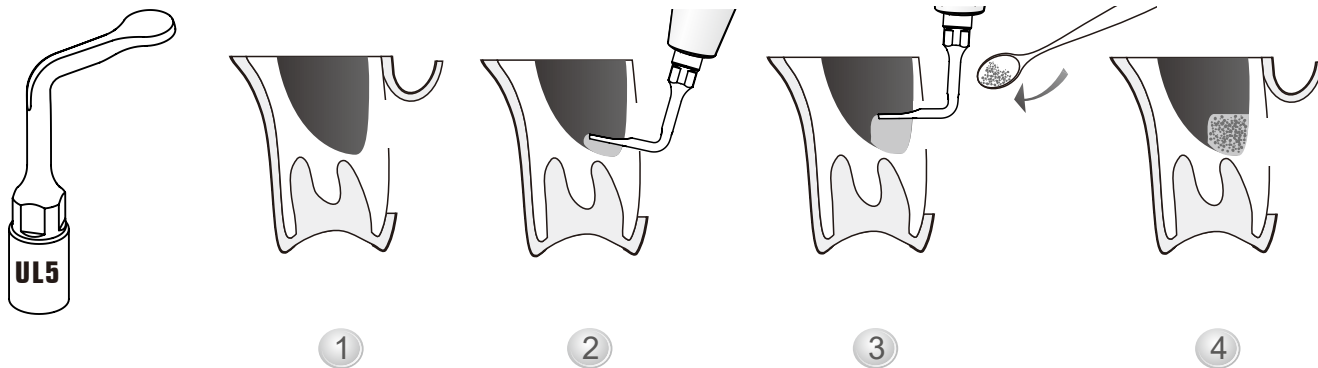
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

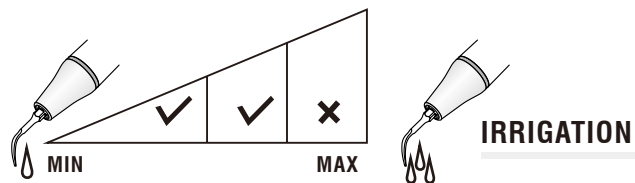
# UL5

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



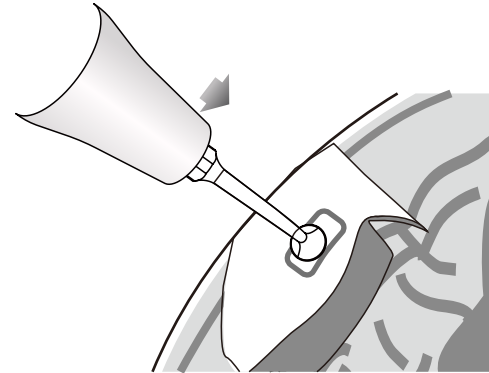
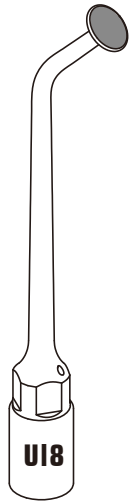
**MODE: ROOT**

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



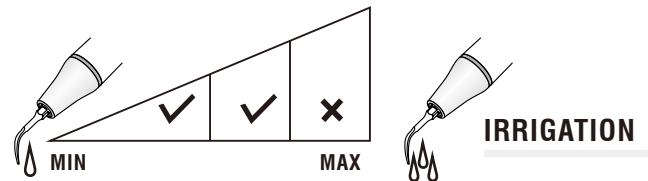
# UL8

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



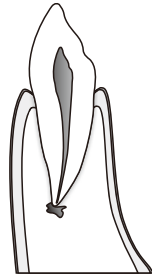
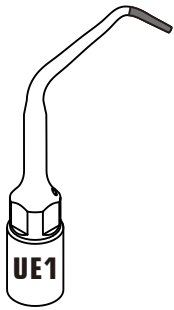
**MODE: ROOT**

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

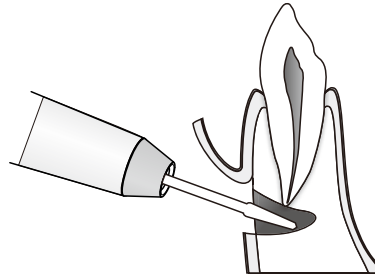


# UE1

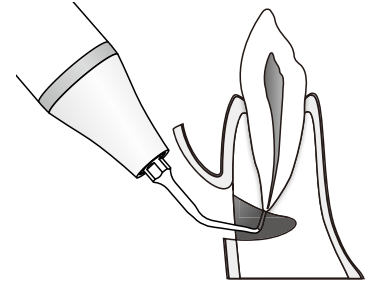
Diamond-coated(40µm) instrument for apical root debridement: diamond-coated instrument for efficient root planning. The length of the diamond-coated on tip is (3.3mm).



1



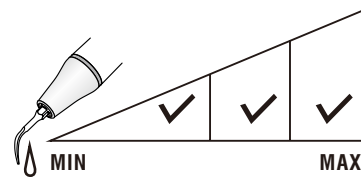
2



3

**MODE: ROOT**

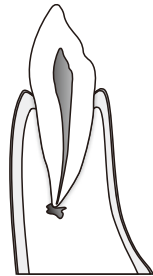
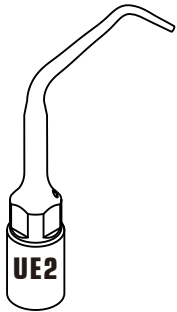
**POWER: Endo**(Maximum power permitted)



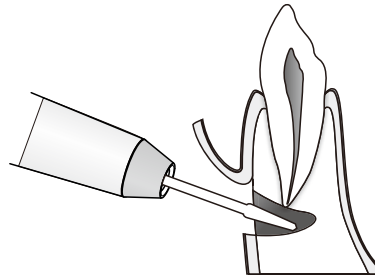
**IRRIGATION**

# UE2

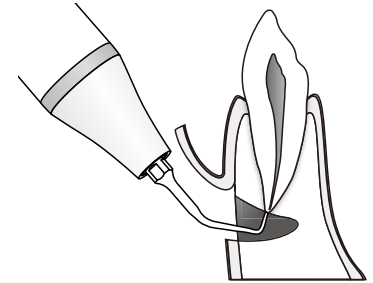
Used for gentle canal cleaning. The length of tip slender smooth part is (4.5mm).



1



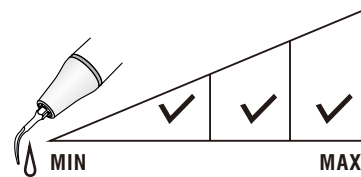
2



3

**MODE: ROOT**

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

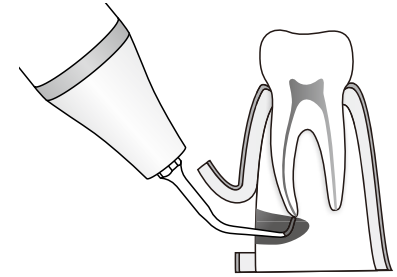
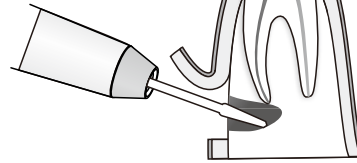
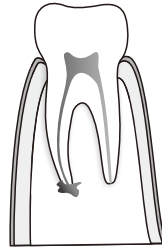
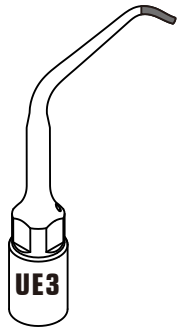


**IRRIGATION**



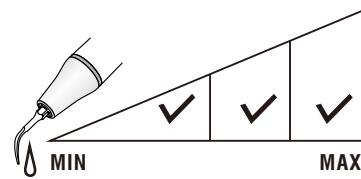
# UE3

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**

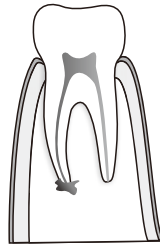
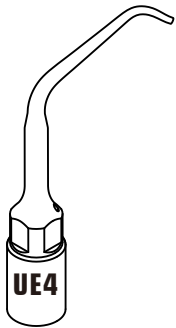
**POWER: Endo**(Maximum power permitted)



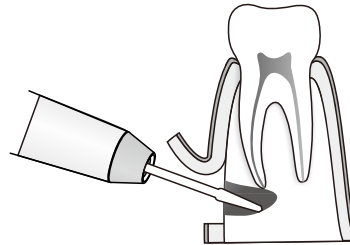
**IRRIGATION**

# UE4

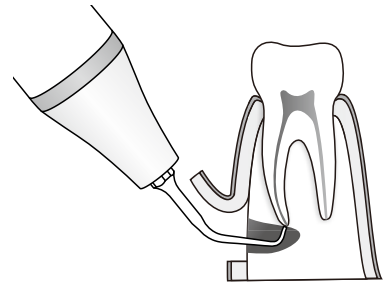
Used for gentle canal cleaning. The length of tip slender smooth part is (3.5mm).



1



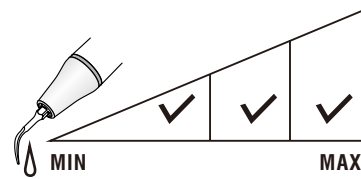
2



3

**MODE: ROOT**

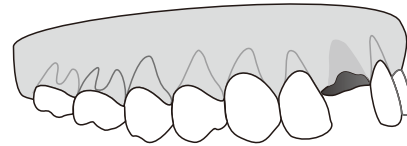
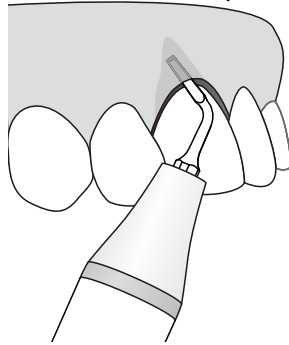
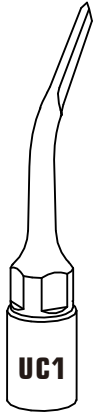
**POWER: Endo**(Maximum power permitted)



**IRRIGATION**

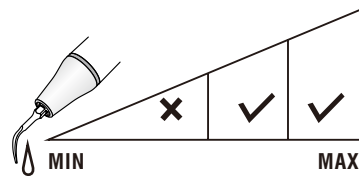
# UC1

Used to cut off the ankylosis and root fraction techniques.



**MODE: BONE**

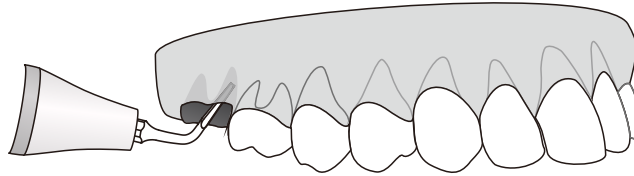
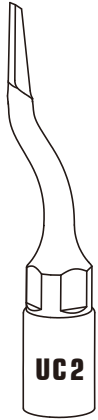
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

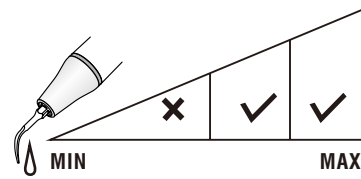
# UC2

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



**MODE: BONE**

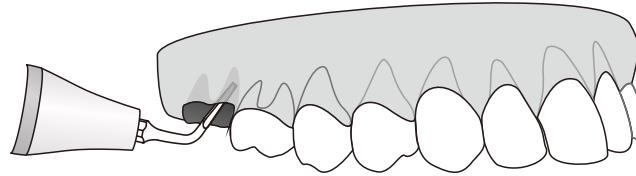
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

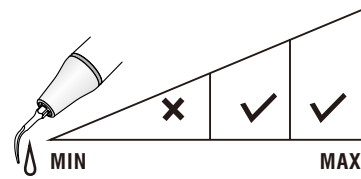
# UC3

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



**MODE: BONE**

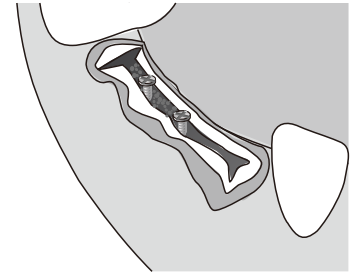
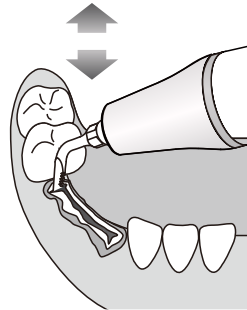
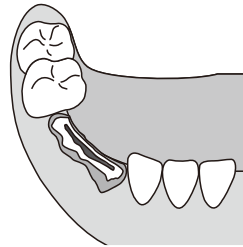
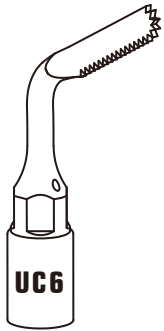
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

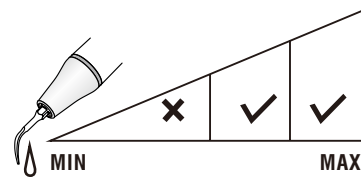
# UC6

For teeth extraction and alveolar bone splitting



**MODE: BONE**

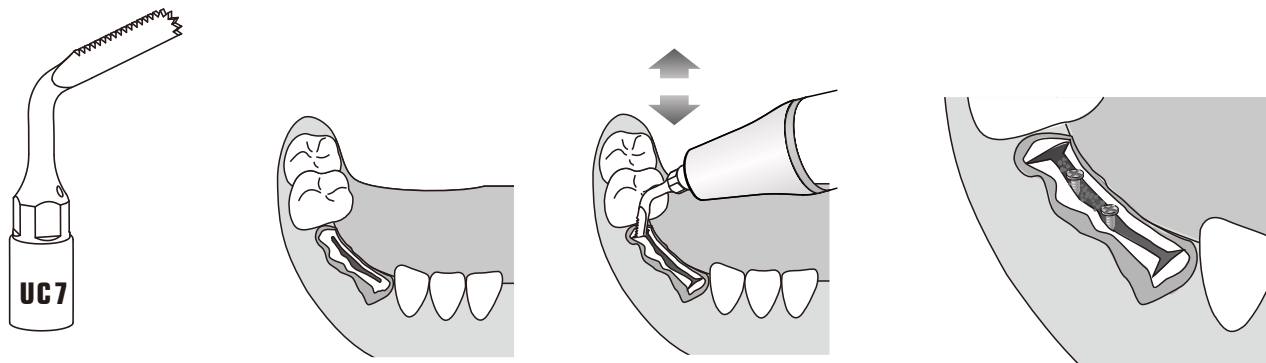
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

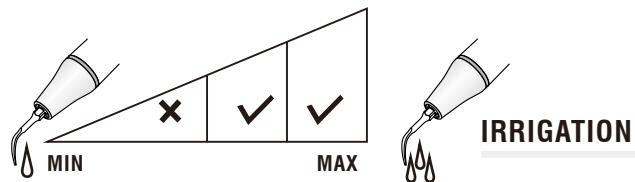
# UC7

For teeth extraction and alveolar bone splitting



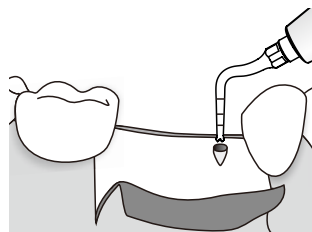
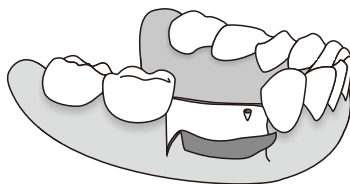
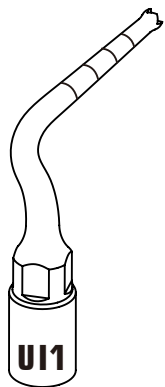
**MODE: BONE**

**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)

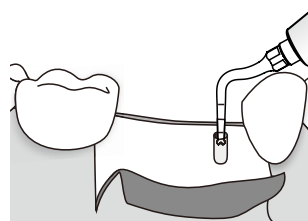


# U11

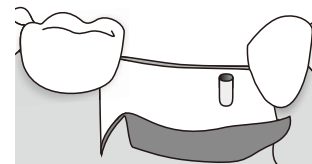
Ø1.6mm implantation site preparation insert. The working length of the tip is (9mm).



1



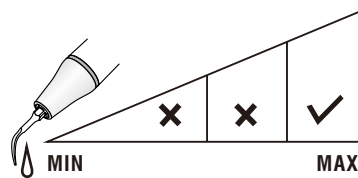
2



3

**MODE: BONE**

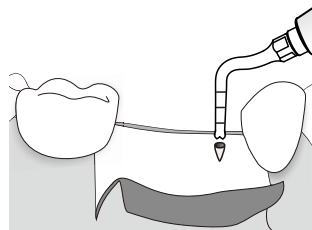
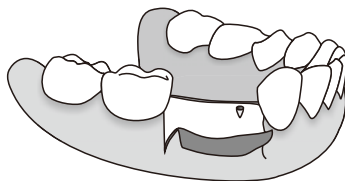
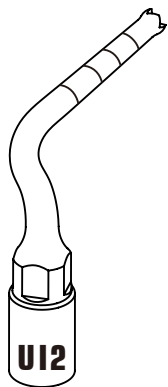
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



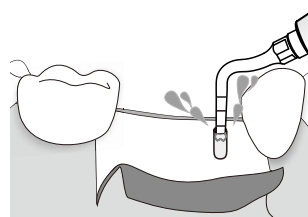


# U12

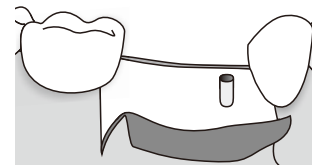
Ø2mm implantation site preparation insert. The hole at the center of the top for water spray maximum reduce the heat.



1



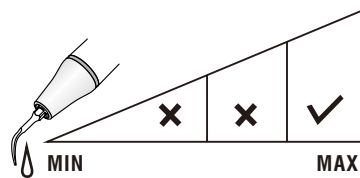
2



3

**MODE: BONE**

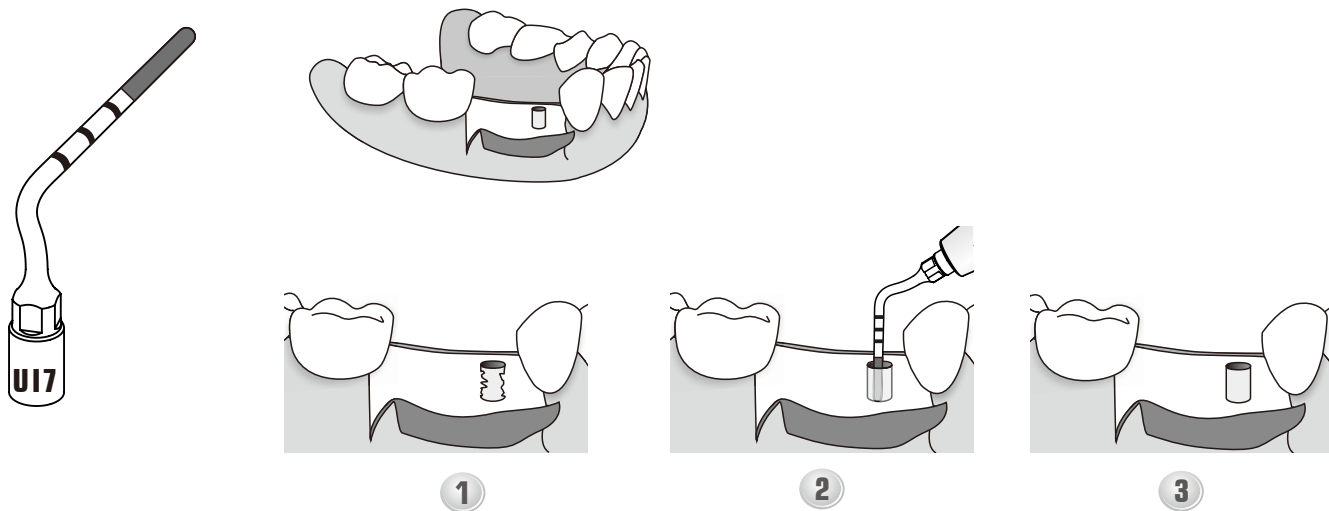
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

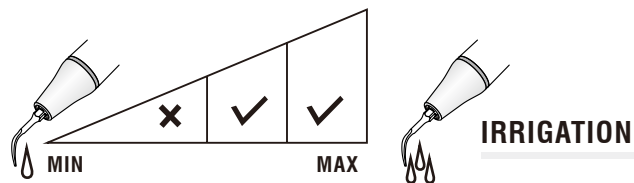
# U17

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



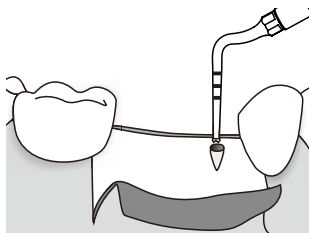
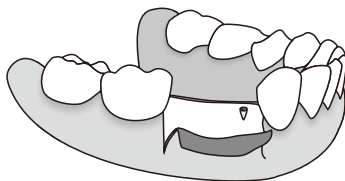
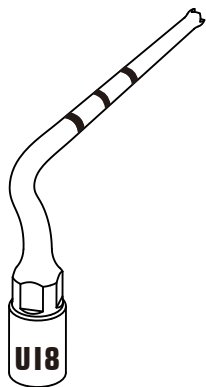
**MODE: BONE**

**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongius)

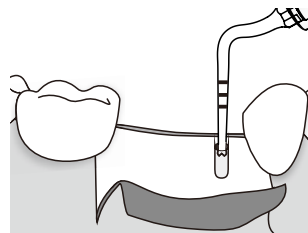


# U18

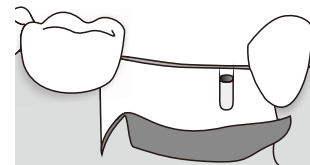
Ø1.6mm implantation site preparation insert. The working length of the tip is (15mm).



1



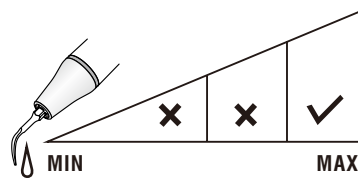
2



3

**MODE: BONE**

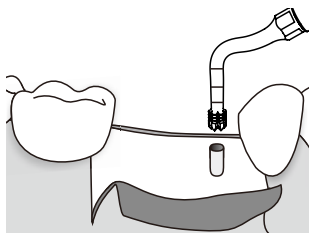
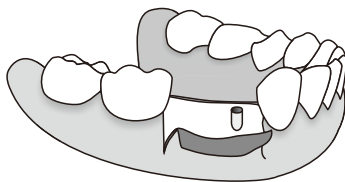
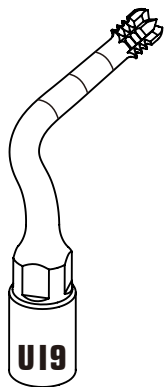
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongius)



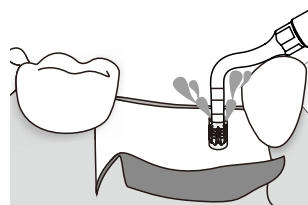
**IRRIGATION**

# U19

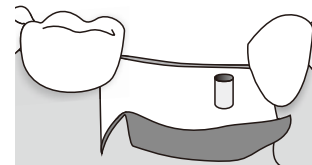
Ø2.8mm implantation site preparation insert . The hole at the center of the top for water spray maximum reduce the heat.



1



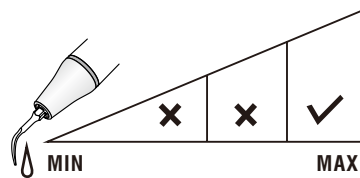
2



3

**MODE: BONE**

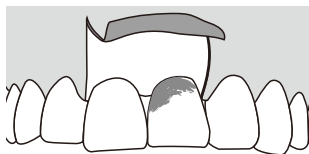
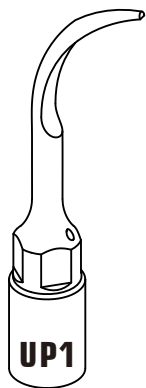
**POWER:** Quality1, Quality2, Quality3  
(Cortical/Spongious)



**IRRIGATION**

# UP1

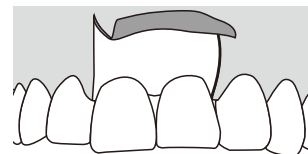
Recommended for periodontal gentle curetting scaling.



1



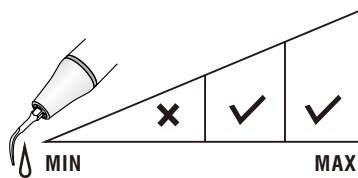
2



3

**MODE: ROOT**

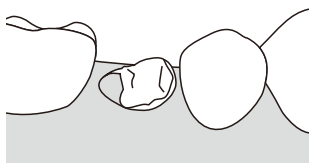
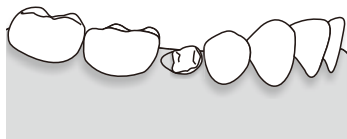
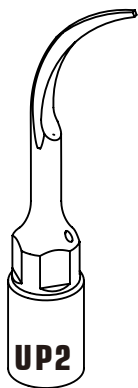
**POWER: PERIO**



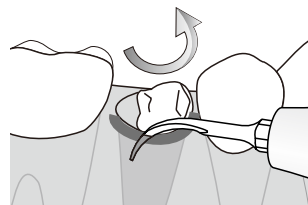
**IRRIGATION**

# UP2

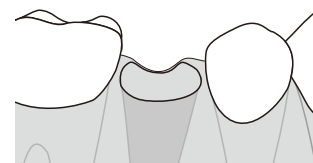
Inflammatory tissue removal and fractured root apex extraction.



1



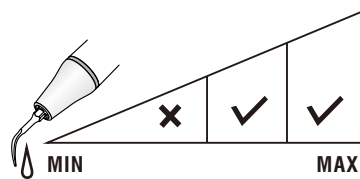
2



3

**MODE: ROOT**

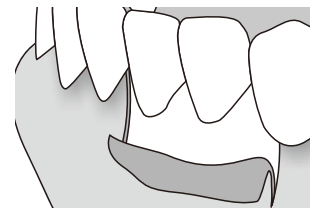
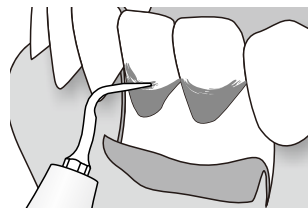
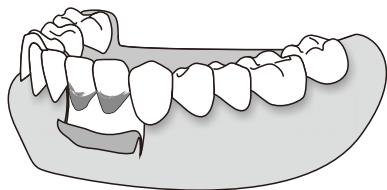
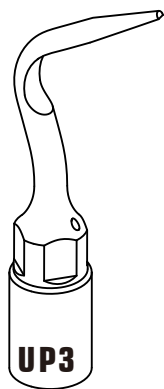
**POWER: PERIO**



**IRRIGATION**

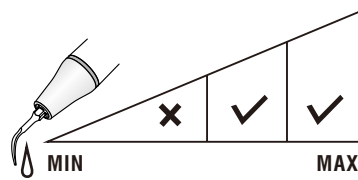
# UP3

Recommended for angled periodontal gentle curetting scaling.



**MODE: ROOT**

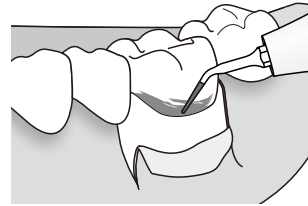
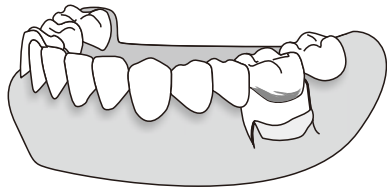
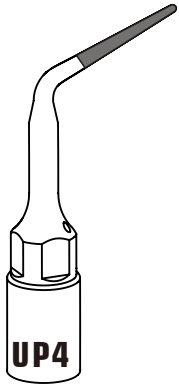
**POWER: PERIO**



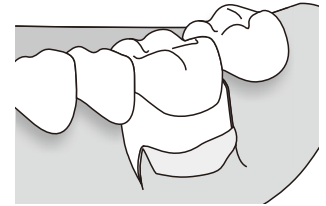
**IRRIGATION**

# UP4

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



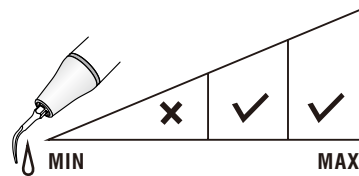
1



2

**MODE: ROOT**

**POWER: PERIO**

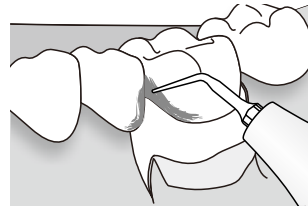
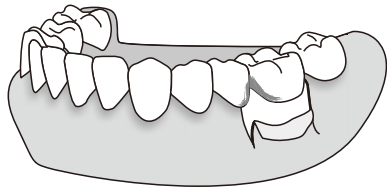
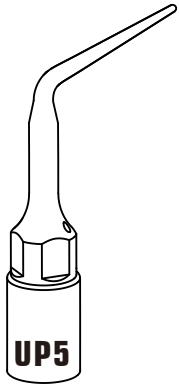


**IRRIGATION**

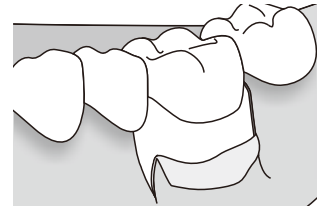


# UP5

Recommended for root surface micro-smoothing.



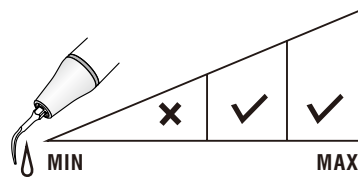
1



2

**MODE: ROOT**

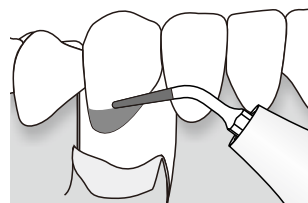
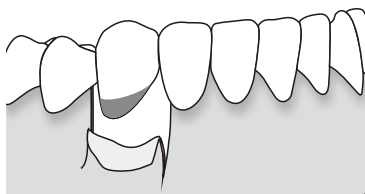
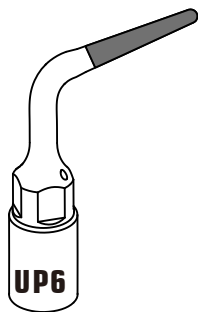
**POWER: PERIO**



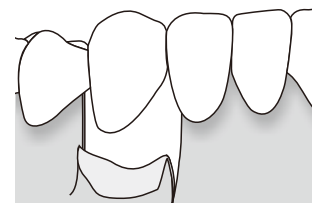
**IRRIGATION**

# UP6

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



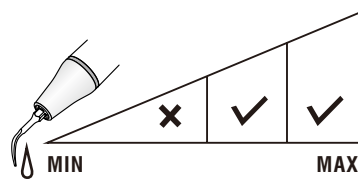
1



2

**MODE: ROOT**

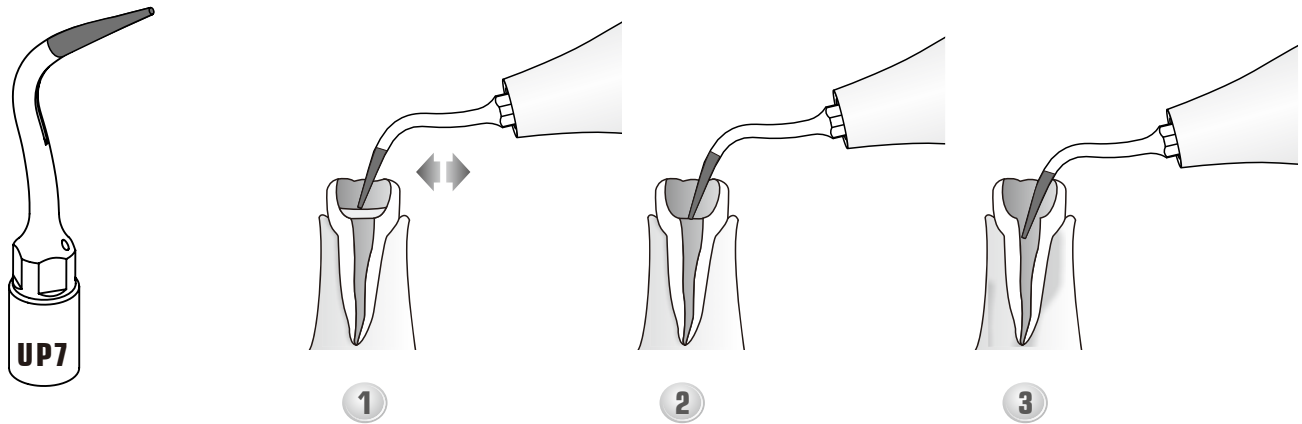
**POWER:** Quality 1, Quality 2, Quality 3  
(Cortical/Spongious)



**IRRIGATION**

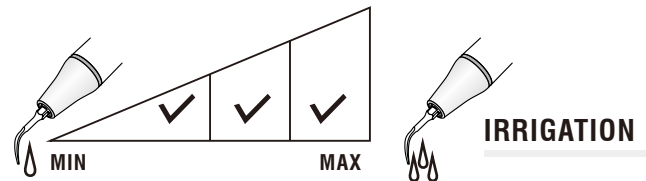
# UP7

Diamond-coated(40 $\mu$ m) 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)





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