



The world's leading expert in bone cutting efficiency.

UltraSurgery

Your professional surgery assistant

- Equipped with
- 2 Handpieces
 - 14 Tips



UltraSurgery Classical Model

- 12 years of R&D, Exported to 66 countries, including Germany, Italy, Switzerland etc.
- 31 patents, 8 invention patents,
- The only dental piezo surgery researched and manufactured in China.

Application

- **Bone Surgery**
Applied to orthopedic surgery such as: Osteotomy, Osteoplasty, Bone Collection etc.
- **Sinus lift**
Applied to separation of the sinus membrane.
- **Extraction**
Applied to the excymosis of embedded tooth and impacted tooth etc.
- **Implant preparation**
Used for cutting socket ridge, alveolar nerve partial lateralization, implantation preparation etc.
- **Periodontic**
Scaling and inflammatory tissue removal, fractured root apex extraction
- **Endodontic**
Root surface micro-smoothing

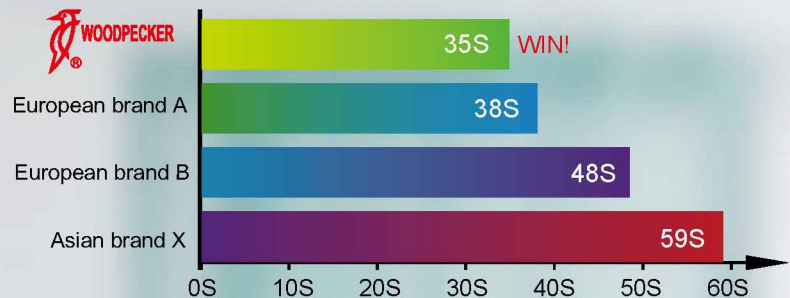
Main Feature

- **Micrometric cutting**
Maximum surgical precision and intra-operative sensibility.
- **Selective cutting**
Maximum safety for the soft tissues.
- **Water cooling cold cutting**
Keep the cutting point at low temperature, avoiding ambustion.
- **Clear vision for surgery**
No blood at cutting point; cooling water is sprayed, ensuring clear sight for surgery.

Excellent Handpiece

- The world's leading expert in bone cutting efficiency

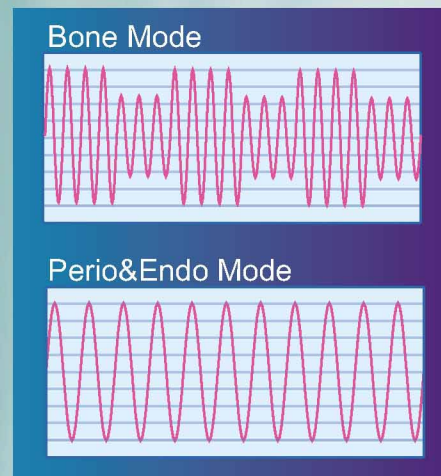
Work on a vertebral column bone of cow, depth 7.5mm



- High-power with firm output, handpiece without overheat

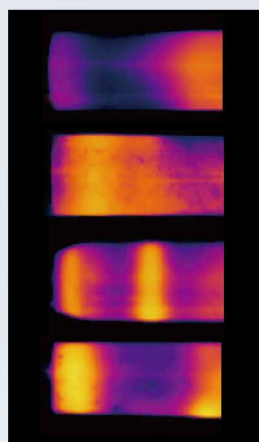
Bone Mode—Voltage signal with high and low amplitude alternation adjusted period supplies high-power energy for the handpiece, ensuring high cutting efficiency even when cutting the hardest texture.

Perio&Endo Mode—Sine voltage signal with constant amplitude, supplies the handpiece with stable power, ensuring precise treatment.



Working 10 min under full power, test the temperature of handpieces

The temperature below is the maximum temperature



Well-known European Brand S 30°C

Woodpecker Brand 33°C

Well-known European Brand M 33°C

Well-known Asian Brand D 38°C

50°C 26°C Color temperature value

Measurement tool: FLIR -E60 infrared camera



UltraSurgery

Complete configuration of UltraSurgery

- Mainframe · Foot switch · Pump tubing (5 pcs)
- Autoclave box · TU-1 Torque wrench
- 2 Handpieces
- 2 Tip holders with 14 tips (US1, US2, US3, US1L, US1R, US4, US5, UL1, UL2, UL3, UL4, UL5, UC1, UI2)



Specifications

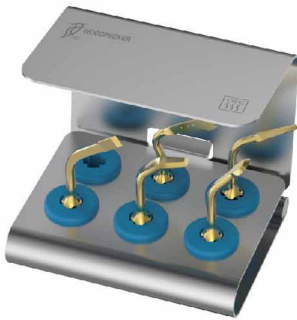
Power Supply	: AC 110V or 220V 50/60Hz
Working frequency	: 24KHz~29.5KHz
Flow	: 25~100ml/m
Dimensions	: 330mm×254mm×167mm
Weight	: 3.8Kg

2 Handpieces

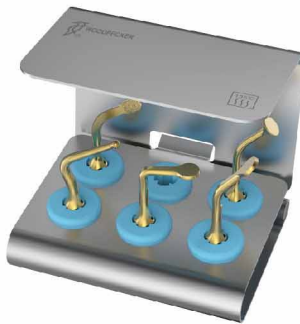
UltraSurgery Tip Series

A Wide Choice for Application

Basic kit



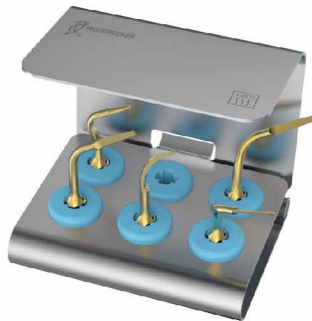
Sinus lift kit



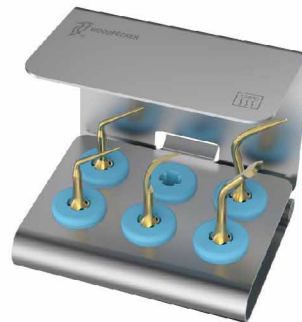
Osteotomy kit



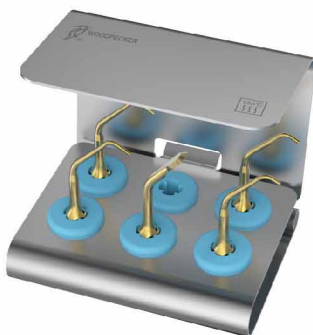
Extraction kit



Periodontal kit



Retro surgical kit



Implant prep kit

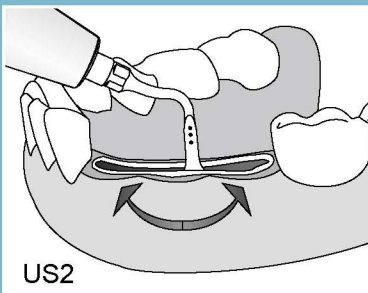


Basic kit

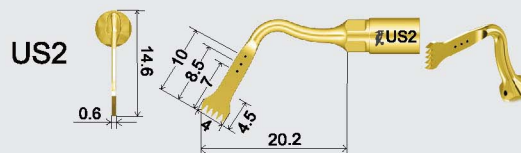


- Ridge expansion
- Corticotomy techniques
- Bone block grafting
- Bone chip grafting / bone modeling
- Extractions
- Sinus lift lateral approach
- Endodontics
- Periodontal surgery

Basic kit



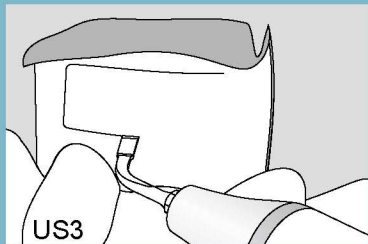
US2



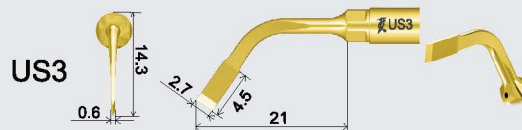
US2

Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongiuous)

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



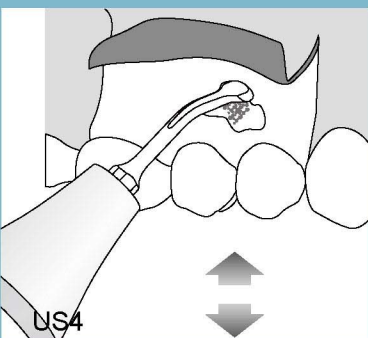
US3



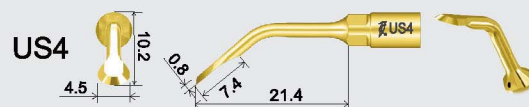
US3

Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongiuous)

Micrometric osteotomy (about 0.6 mm): osteotome of great precision in anatomically thin structures (for example, ridge expansion, interdental corticotomies).



US4



US4

Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongiuous)

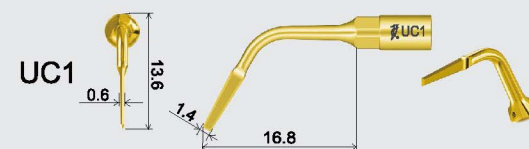
Universal osteoplasty: periodontal osteotomy, bone chips harvesting, inflammatory tissue removal (cyst, etc).



US5

Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongiuous)

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



UC1

Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongiuous)

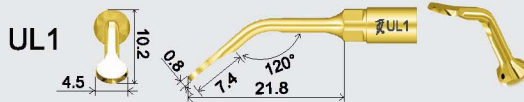
Used to cut off the ankylosis, root fraction techniques.

Sinus lift kit



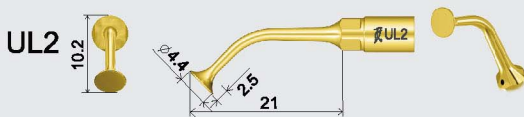
- Sinus lift technique lateral approach
- Osteotomy close to nerves

Sinus lift kit



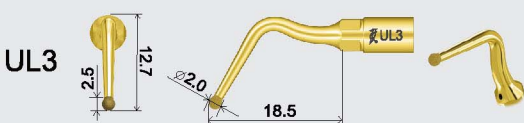
Mode: Root
Power: Perio

Non-cutting elevator of the sinus membrane: separation of the sinus membrane in internal zones.



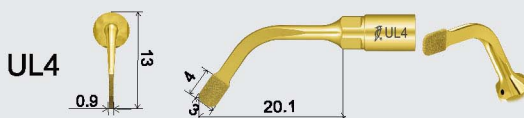
Mode: Root
Power: Perio

Schneiderian membrane separation from bony walls: separation of the sinus membrane, 2 mm around the frame of bony window.



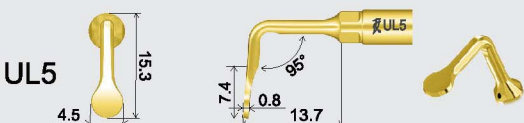
Mode: Bone
Power: Quality 1, Quality 2, Quality 3 (Cortical/Spongious)

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.



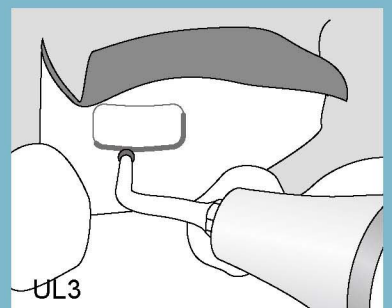
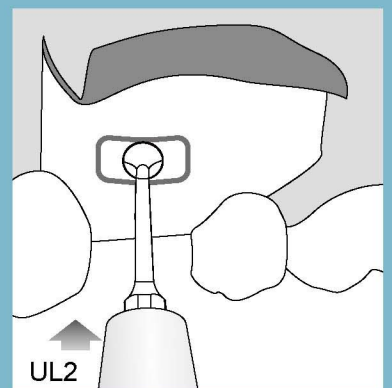
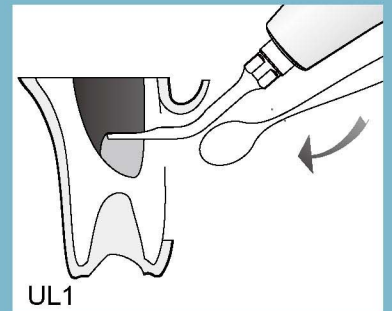
Mode: Bone
Power: Quality 1, Quality 2, Quality 3 (Cortical/Spongious)

Diamond-coated(100µm),micrometric osteotomy (about 1 mm): to finalize the osteotomy in proximity of soft tissue (for example, sinus membrane, vessel, alveolar nerve).



Mode: Root
Power: Perio

Separation of the sinus membrane in internal zones, on-cutting elevator of the sinus membrane.

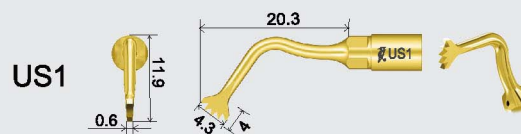
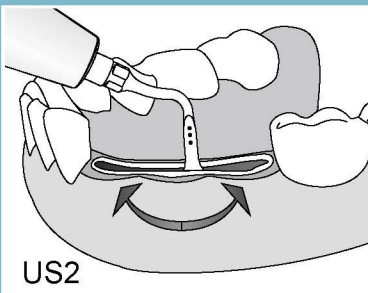


Osteotomy kit



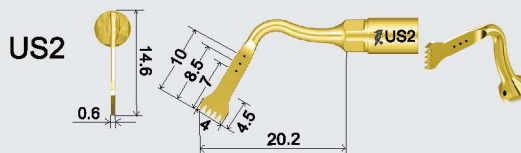
- Ridge expansion
- Corticotomy technique
- Bone block grafting

Osteotomy kit



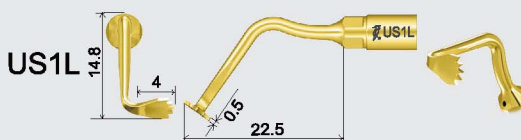
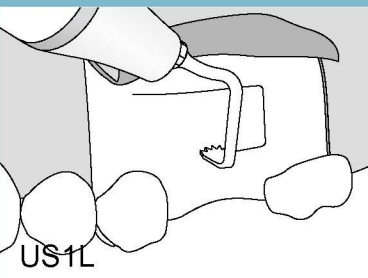
Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongious)

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



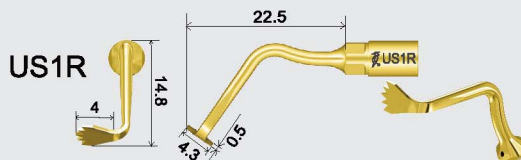
Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongious)

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



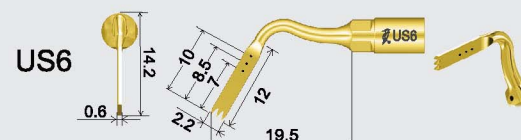
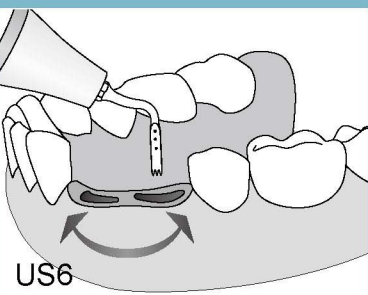
Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongious)

Left angle 90°, micro-saw 0.5 mm horizontal osteotomy: all the osteotomy technique in maxilla and mandible (for example, bone block grafting).



Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongious)

Right angle 90°, micro-saw 0.5 mm horizontal osteotomy: all the osteotomy technique in maxilla and mandible (for example, bone block grafting).



Mode: Bone
Mode: Special

Micro-saw 0.6 mm (3 teeth), Osteotomy: osteotome of great precision in anatomically thin structures (for example, ridge expansion, corticotomy technique).

Extraction kit



- Extractions
- Periodontal surgery

Extraction kit



Mode: Bone
Power: Quality 1,Quality 2,Quality 3
(Cortical/Spongious)

Used to cut off the ankylosis, root fraction techniques.



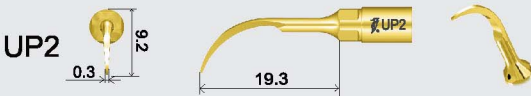
Mode: Bone
Power: Quality 1,Quality 2,Quality 3
(Cortical/Spongious)

Analogue to UC1 in the posterior regions.



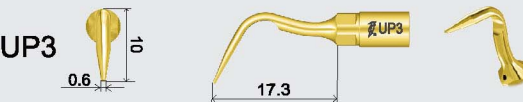
Mode: Bone
Power: Quality 1,Quality 2,Quality 3
(Cortical/Spongious)

Analogue to UC1 in the posterior regions.



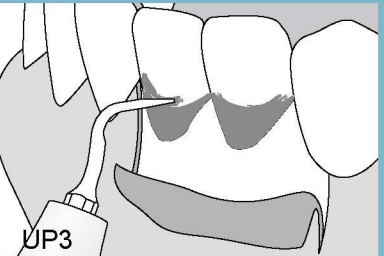
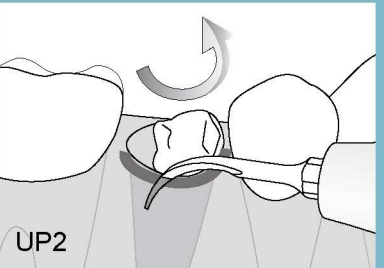
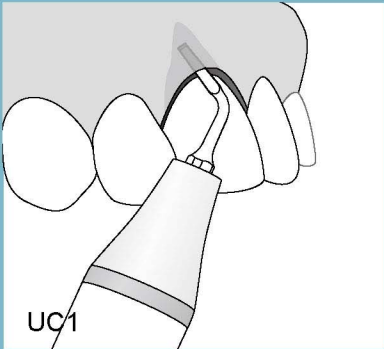
Mode: Root
Power: Perio

Powerful scaling: scaling and inflammatory tissue removal fractured root apex extraction.



Mode: Root
Power: Perio

Gentle scaling: root scaling

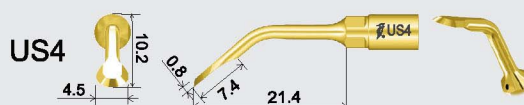
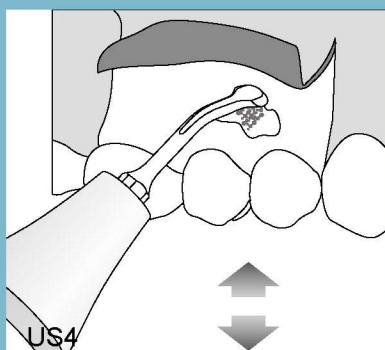


Periodontal kit



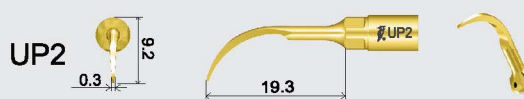
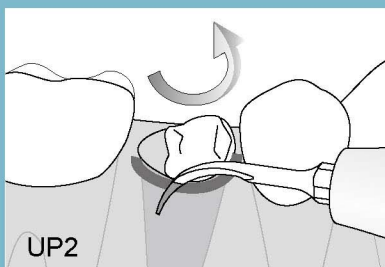
- Periodontal surgery
- Bone chip grafting / bone modeling
- Sinus lift lateral approach
- Endodontics
- Ridge expansion
- Extractions

Periodontal kit



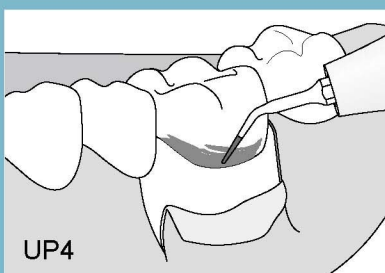
Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongious)

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



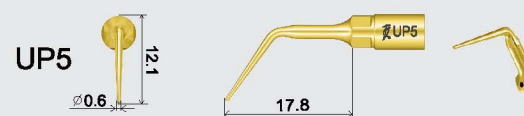
Mode: Root
Power: Perio

Powerful scaling: scaling and inflammatory tissue removal fractured root apex extraction.



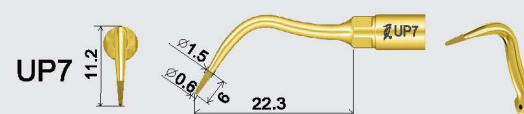
Mode: Root
Power: Perio

1. Scaling and micro-debridement: root debridement and root planing during resective and regenerative periodontal surgery.
2. Bone perforation: initial pilot osteotomy.



Mode: Root
Power: Perio

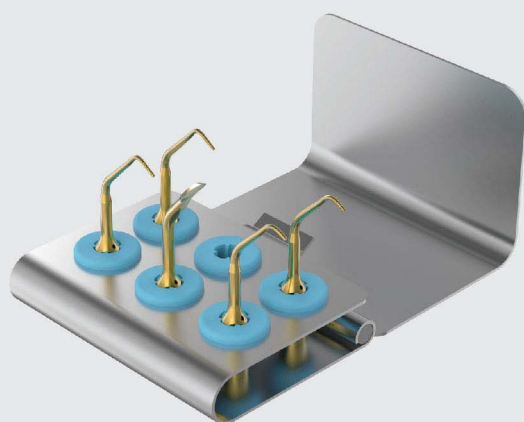
Root surface micro-smoothing: root planing



Mode: Root
Power: Perio

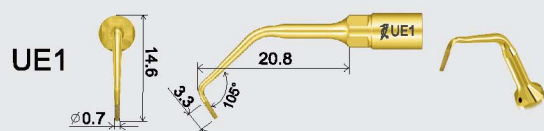
Diamond-coated (40µm), instrument for root canal orientation and removal of the calcifications located at 1/3 part of root canal, it can also be used for micro-osteoplasty and root planning.

Retro surgical kit



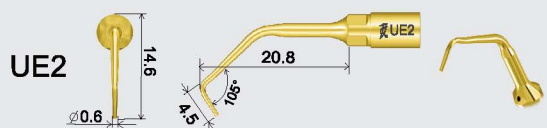
• Endodontics

Retro surgical kit



Mode: Root
Power: Endo

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



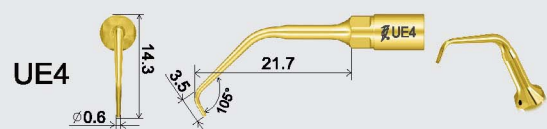
Mode: Root
Power: Endo

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



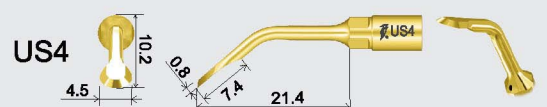
Mode: Root
Power: Endo

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



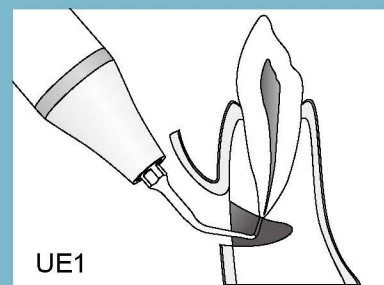
Mode: Root
Power: Endo

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

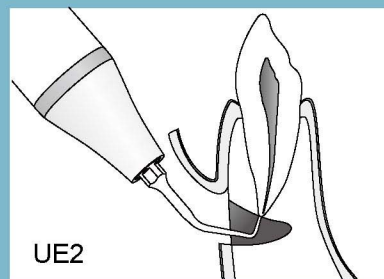


Mode: Bone
Power: Quality 1,Quality 2,Quality 3
(Cortical/Spongiuous)

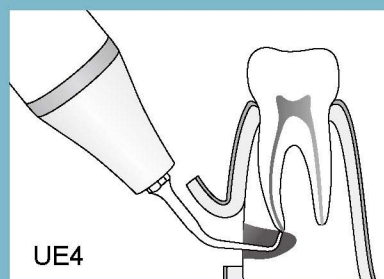
Universal osteoplasty: periodontal ostectomy, bone chips harvesting, inflammatory tissue removal (cyst, etc.).



UE1

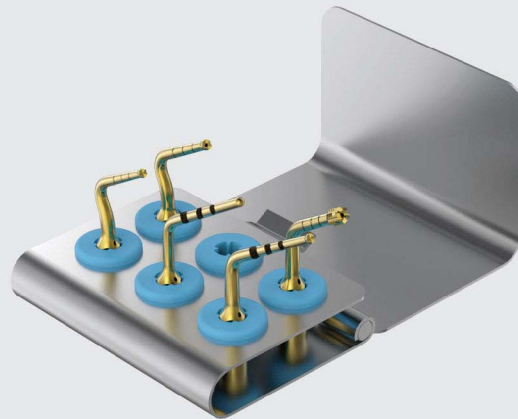


UE2



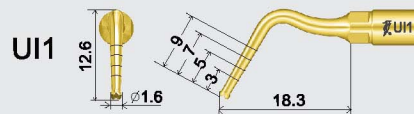
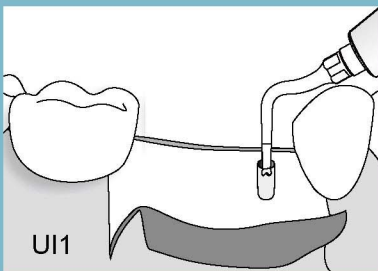
UE4

Implant prep kit



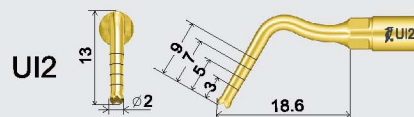
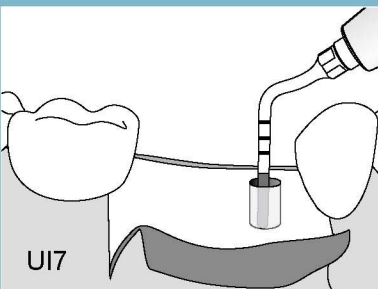
- Implant site preparation
- Sinus lift technique crestal approach

Implant prep kit



Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongy)

Φ1.6mm implantation site preparation insert. The working length of the tip is 9mm.



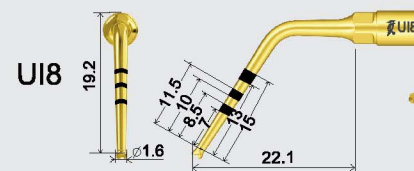
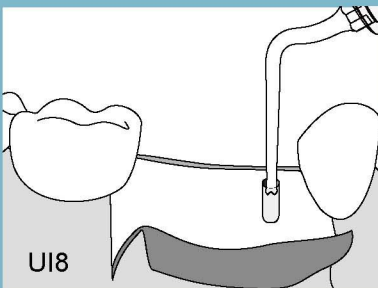
Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongy)

Φ2.0mm implantation site preparation insert. The hole center of the top for water spray maximum reduce the heat.



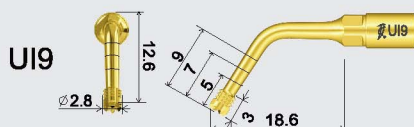
Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongy)

Diamond-coated(100μm), instrument for finalizing the implantation site preparation close to the alveolar nerve.



Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongy)

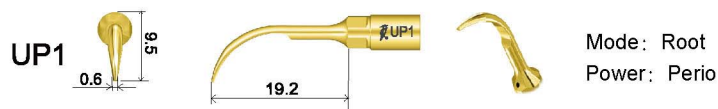
Φ1.6mm implantation site preparation insert. The working length of the tip is 15mm.



Mode: Bone
Power: Quality 1, Quality 2, Quality 3
(Cortical/Spongy)

Φ2.8mm implantation site preparation insert. The hole center of the top for water spray maximum reduce the heat.

Other tips



Recommended for periodontal gentle curetting scaling



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

Spare parts



Handpiece
LED/non LED



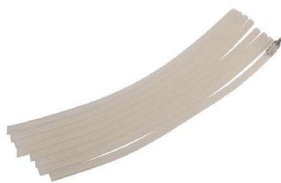
Tip holder



TU-1 Torque wrench



Foot switch



Pump tubing



Pump connector



Handpiece holder



Water tank hanger



Power line



Autoclave box

UltraSurgery

The world's leading expert in bone cutting efficiency.

Add: Information Industrial Park, Guilin National High-Tech Zone,
Guilin, Guangxi, 541004 P. R. China
Tel: Europe Sales Dept.: +86-773-5873196, +86-773-2125222
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Oceania Sales Dept.: +86-773-5873198, +86-773-2125123
Asia & Africa Sales Dept.: +86-773-5855350, +86-773-2125896
Fax: +86-773-5822450
E-mail: woodpecker@glwoodpecker.com, sales@glwoodpecker.com
Web: <http://www.glwoodpecker.com>

EC REP Wellkang Ltd (www.CE-Marking.eu)
29 Harley St., LONDON, W1G 9QR, UK

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