

DTE[®]

The choice of millions of dentists worldwide

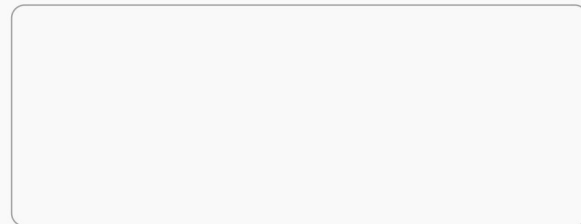


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SURGERY-X

The Third Generation Woodpecker Ultrasurgery





Woodpecker 3rd generation of Ultrasurgery

Clinical application

Minimally invasive tooth extraction, Intralift, Sinus Lift,
Alveoplasty, apical cyst extraction,
Crown Extension, Crest splitting, etc.

Micron Cutting

The vibration amplitude of tip is between 20–100 μ m.

The minimum surgical incision is 3.5mm long, 0.5mm wide, which will help with small operating area and fast postoperative recovery.

Selective Cutting With No Injury to Soft Tissue

For soft tissues (neural, blood vessels and mucous membranes, etc.), there is no cutting effect, which can protect the vascular nerve of the operation area to a large extent. , greatly reducing the risk of injuring soft tissues(neural, vascular, mucosal, etc.).

Cold Cutting Mode

Ultrasonic technology produces very little heat while cutting.

And iced water can quickly cool the tip and ensure the temperature below 38 °C .

At the same time, the water spray flushes the wound during operation, bringing no bleeding and enabling clear vision of operation area, which makes it easy to operate.





Tips Kit

Specially used for tooth extraction, crest splitting, and retropreparation. Adopt gold plating which is wear-resistant and practical with long time of endurance.

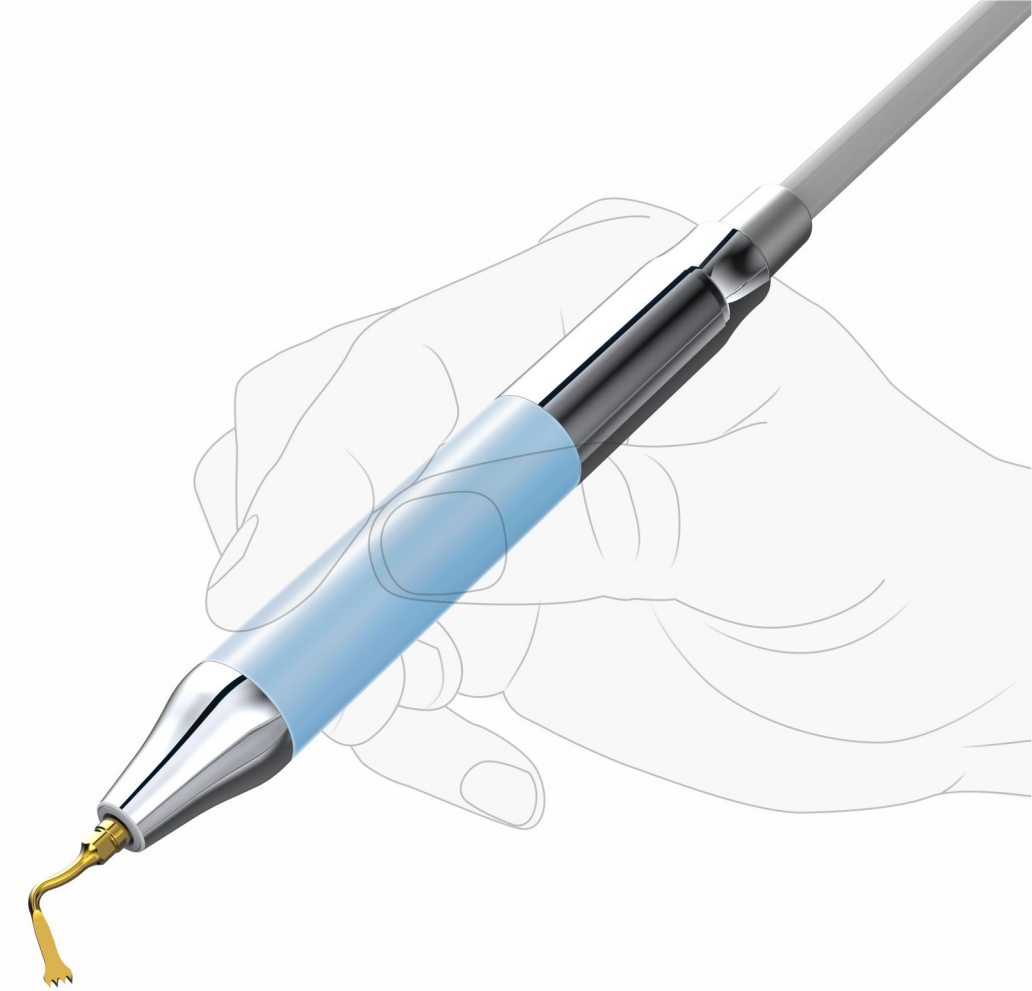
Multi-function Foot Pedal

Multi-function foot pedal, makes it easy to control water flow, working mode, and power, simplifying operation procedures and realizing efficient operation.



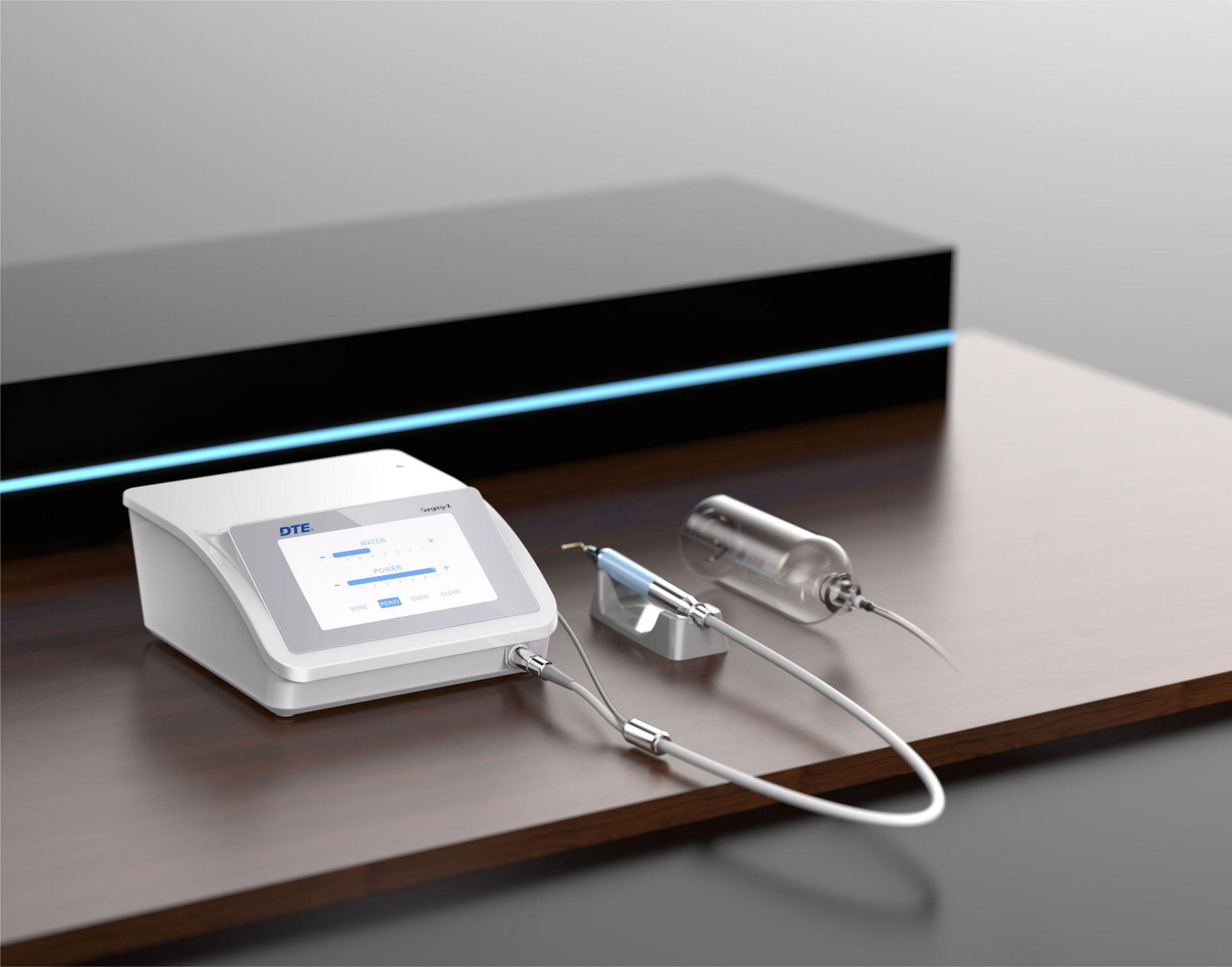
7-Inch Touching Screen

Abandoning the previous button operation settings, innovatively adopt 7-inch screen. While clearly displaying information, operate directly by tapping the screen.



High-performance Handpiece

Optimized handpiece with stronger sealing technology
High temperature cooking disinfection causes no loss of performance
High-brightness LED brings clearer operating vision



For different treatment needs, four different working modes are set: cutting mode, periodontal mode, endodontic mode, and cleaning mode.

Cutting Mode

Under cutting mode, according to the bone density, adjust power and water volume.

The power levels are divided into 7 classes:

- (1) Level 5, 6, and 7: Class I bone
(suitable for bone with high bone density / big cortical bone)
- (2) Level 3 and 4: Class II bone
(suitable for bone with high bone density / large cortical bone)
- (3) Level 2 and 3: Class III bone
(suitable for bone with uniform bone density / good cortical bone)
- (4) Level 1 and 2: porotic bone
(suitable for bone with low bone density / poor cortical bone)

Different bones respectively match 7 power levels, avoiding over power output and improving safety and stability;

Periodontal mode

Under teeth mode, the power and water volume are adjustable.

Endodontic mode

Under teeth mode, the power and water volume are adjustable.

Cleaning mode

Under cleaning mode, step on foot pedal for 3s to confirm cleaning, then the main unit can automatically complete pipe cleaning for 25s. After each treatment, please clean the waterway (include pump line and handpiece).

Product Specification



Dimension
276mm × 267mm × 110mm



Intermittent running device
Intermittent running with
10s pause after 60s operation.



Water flow
25~110ml/m



Mains voltage
100-240V~ 50Hz/60Hz 150VA



Working frequency
24-36KHZ



Weight
2.8KG



Warranty
5 years

Complete configuration



Main unit

Handpiece	×1
Torque wrench	×1
Tip	×7
Tube for peristaltic pump	×3
Foot pedal	×1
Disinfection kit	×1



Disinfection kit

Handpiece	×1
Torque wrench	×1
Tip	×7
Tube for peristaltic pump	×3
Disinfection kit	×1



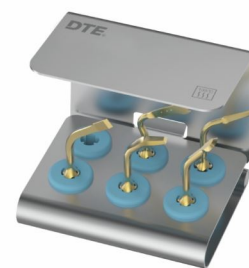
Trolley
Trolley ×1



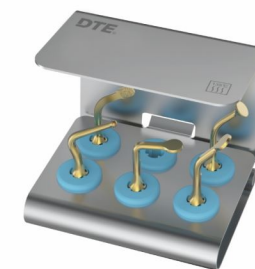
Tip Series

A Wide Choice for Application

Basic kit



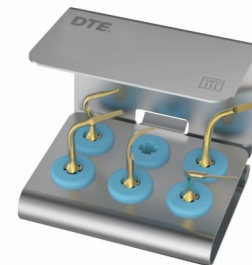
Sinus lift kit



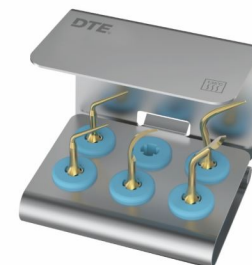
Osteotomy kit



Extraction kit



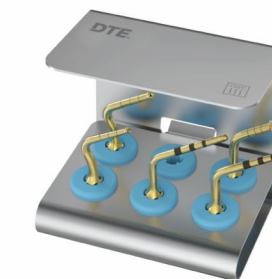
Periodontal kit



Retro surgical kit







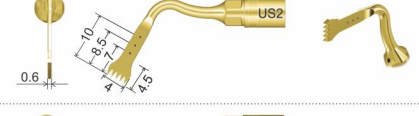





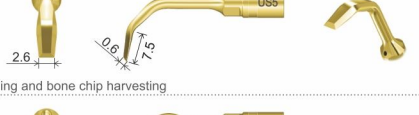





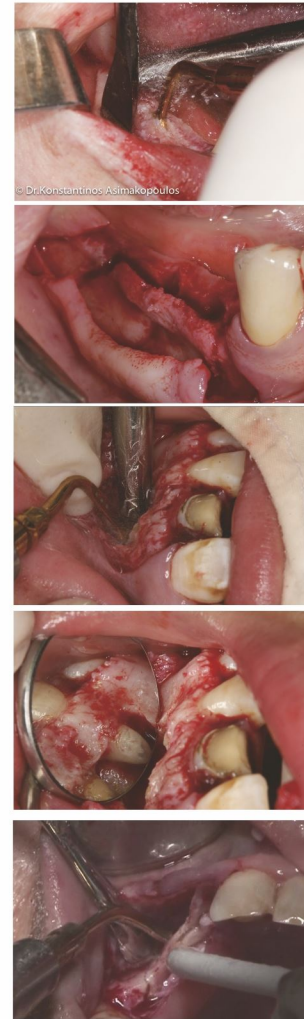
Implant prep kit







Equipped with 14 tips ◦

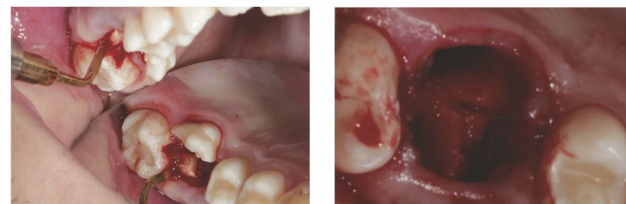
Bone surgery

- **US1**  
Osteotomy
- **US1L**  
Osteotomy
- **US1R**  
Osteotomy
- **US2**  
Osteotomy
- **US3**  
Osteotome of precision in the thin regions
- **US4**  
Bone remodeling and bone chip harvesting
- **US5**  
Bone remodeling and bone chip harvesting
- US6**  
Precise osteotomy



Exelcymosis

- **UC1**  
Used for cutting ligaments, minimally damnification exelcymosis
- NEW!**
UC2  
Used for cutting ligaments, minimally damnification exelcymosis

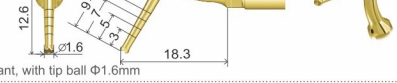

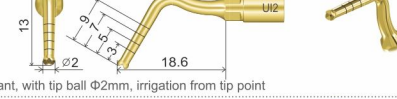











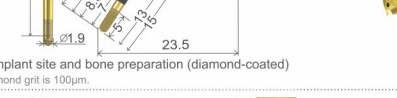





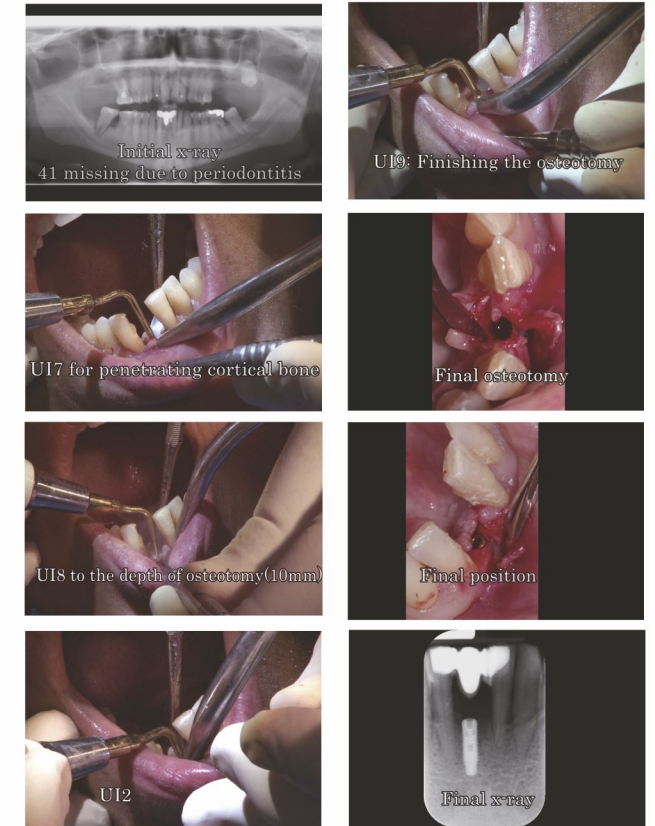
NEW!
UC3

Used for cutting ligaments, minimally damnification exelcymosis



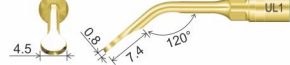
Implantation

- UI1**  
Used for implant, with tip ball Φ 1.6mm
- **UI2**  
Used for implant, with tip ball Φ 2mm, irrigation from tip point
- NEW!**
UI3  
 Φ 2mm implant site preparation tip, irrigation from tip point.
- NEW!**
UI4  
 Φ 3mm implant site preparation tip, irrigation from tip point.
- NEW!**
UI5  
 Φ 2mm implant site preparation tip, irrigation from tip point.
- NEW!**
UI6  
 Φ 3mm implant site preparation tip, irrigation from tip point.
- UI7**  
Finalize the implant site and bone preparation (diamond-coated)
*The size of diamond grit is 100 μ m.
- UI8**  
For implantation, in plus size, with tip ball Φ 1.6mm
- UI9**  
Used for implant, with tip ball Φ 2.8mm




Sinus lifting


- UL1**




120° Peeling of the sinus membrane
- UL2**




Peeling of the sinus membrane
- UL3**



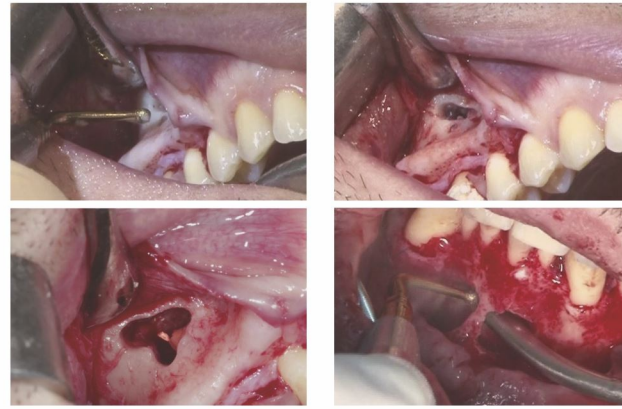
Non-traumatic bone cutting on thin bone region (diamond-coated)
*The size of diamond grit is 100µm.
- UL4**



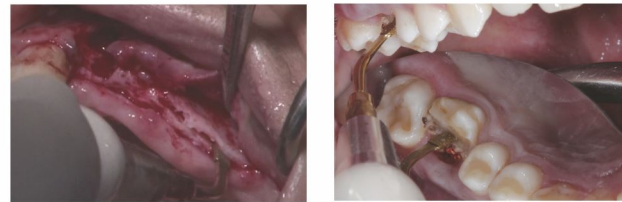
Micrometric osteotomy near the soft tissue (diamond-coated)
*The size of diamond grit is 100µm.
- UL5**



Peeling of the sinus membrane (angle: 95°)




UL3: Micrometric osteotomy, apical cyst removal.




UL4: Micrometric osteotomy

Periodontal surgery


- UP1**




Root scaling
- UP2**



Root scaling
- UP3**




Root scaling
- UP4**




Root surface debridement and root planing (diamond-coated)
*The size of diamond grit is 40µm.


- UP5**



Perio treatment
- UP6**




Bone remodeling, root planing in perio operation
*The size of diamond grit is 40µm.
- UP7**




Bone remodeling and root canal enlargement (diamond-coated)
*The size of diamond grit is 40µm.

Endodontic


- UE1**




Apical root debridement (diamond-coated)
*The size of diamond grit is 40µm.
- UE2**



Soft apical root debridement
- UE3**



Apical root debridement (diamond-coated)
*The size of diamond grit is 40µm.
- UE4**

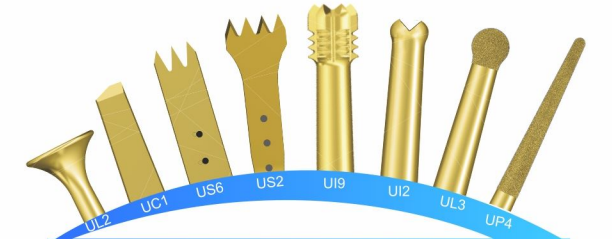




Clinical practice



US2



Crest splitting

Tooth extraction

Retrograde preparation

