

SURGIC TOUCH



The choice of millions
of dentists worldwide

SURGIC TOUCH



The Third Generation Woodpecker Ultrasurgery

WOODPECKER

3RD

GENERATION OF ULTRASURGERY

Clinical application

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



After ten years' research and development,
the third generation of Ultrasurgery is launched.





Micron Cutting

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

High-performance Handpiece

Optimized handpiece with stronger sealing

High temperature cooking disinfection causes no loss of performance

High-brightness LED brings clearer operating vision

Bringing doctor better clinical application experience





Multi-function Foot Pedal

Equip device with multi-function foot pedal, which 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.



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

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

1-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;

2-Periodontal mode

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

3-Endodontic mode

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

4-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).





Complete configuration

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

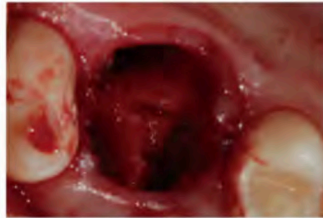
Warranty: 5年 5 years



Crest splitting



Tooth extraction



Retrograde preparation



Complete configuration

Main unit + disinfection kit + trolley

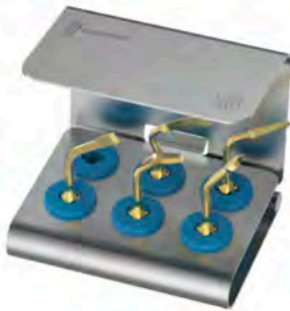
Main unit: handpiece × 1, torque wrench × 1, tip × 7, tube for peristaltic pump × 3, foot pedal × 1, disinfection kit × 1

Disinfection kit: handpiece × 1, torque wrench × 1, tip × 7, tube for peristaltic pump × 3, disinfection kit × 1

SURGIC TOUCH TIP SERIES

A Wide Choice for Application

Basic kit



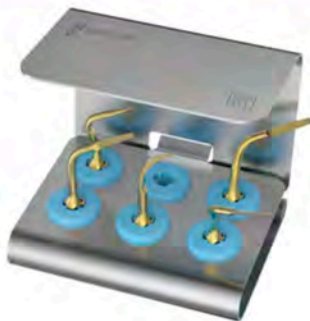
Sinus lift kit



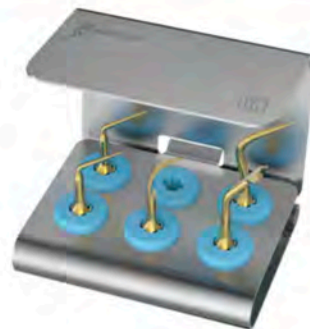
Osteotomy kit



Extraction kit



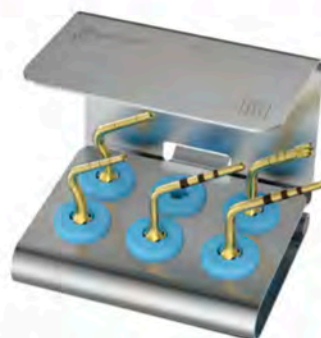
Periodontal kit



Retro surgical kit



Implant prep kit



Equipped with 14 tips ◉

Bone surgery

◉ US1



Osteotomy

◉ US1L



Osteotomy

◉ US1R



Osteotomy

◉ US2



Osteotomy

◉ US3



Osteotomy of precision in the thin regions

◉ US4



Bone remodeling and bone chip harvesting

◉ US5



Bone remodeling and bone chip harvesting

US6



Precise osteotomy



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)

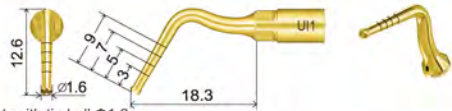
*The size of diamond grit is 40µm.

UE4



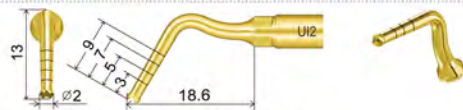
Implantation

UI1



Used for implant, with tip ball $\Phi 1.6\text{mm}$

UI2



Used for implant, with tip ball $\Phi 2\text{mm}$, irrigation from tip point

NEW!
UI3



$\Phi 2\text{mm}$ implant site preparation tip, irrigation from tip point.

NEW!
UI4



$\Phi 3\text{mm}$ implant site preparation tip, irrigation from tip point.

NEW!
UI5



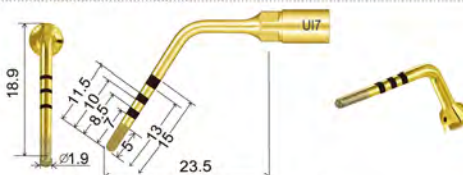
$\Phi 2\text{mm}$ implant site preparation tip, irrigation from tip point.

NEW!
UI6



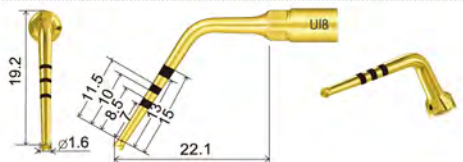
$\Phi 3\text{mm}$ implant site preparation tip, irrigation from tip point.

UI7



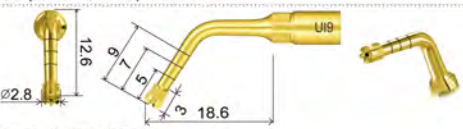
Finalize the implant site and bone preparation (diamond-coated)
*The size of diamond grit is 100 μm .

UI8

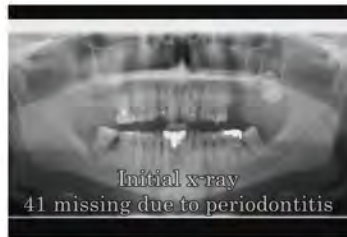


For implantation, in plus size, with tip ball $\Phi 1.6\text{mm}$

UI9



Used for implant, with tip ball $\Phi 2.8\text{mm}$



Initial x-ray
41 missing due to periodontitis



UI9: Finishing the osteotomy



UI7 for penetrating cortical bone



Final osteotomy



UI8 to the depth of osteotomy(10mm)



Final position



UI2



Final x-ray

Exelcymosis

UC1



Used for cutting ligaments, minimally damnification exelcymosis

NEW!
UC2



Used for cutting ligaments, minimally damnification exelcymosis

NEW!
UC3

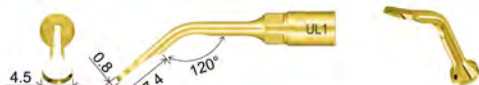


Used for cutting ligaments, minimally damnification exelcymosis



Sinus lifting

UL1



120° Peeling of the sinus membrane

UL2



Peeling of the sinus membrane

UL3



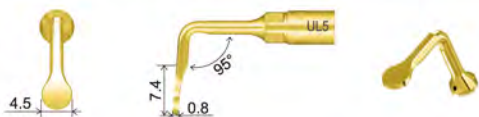
Non-traumatic bone cutting on thin bone region (diamond-coated)
*The size of diamond grit is 100µm.

UL4



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

UL5



Peeling of the sinus membrane (angle: 95°)

NEW!
UL6

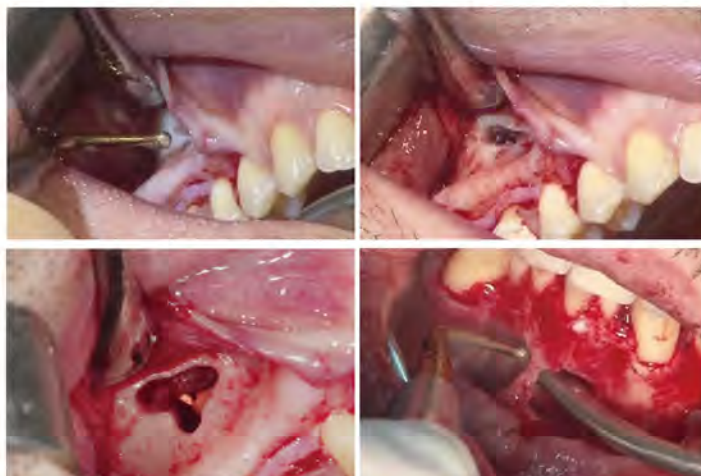


Peeling of the sinus membrane

NEW!
UL7



Peeling of the sinus membrane



UL3: Micrometric osteotomy, apical cyst removal.



UL4: Micrometric osteotomy

Periodontal surgery

UP1



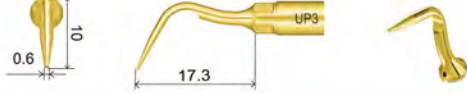
Root scaling

UP2



Root scaling

UP3



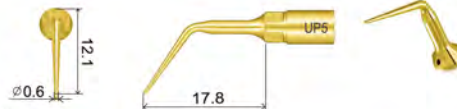
Root scaling

UP4



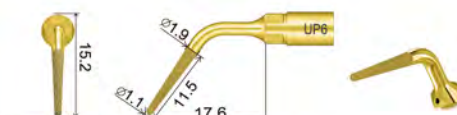
Root surface debridement and root planing (diamond-coated)
*The size of diamond grit is 40µm.

UP5



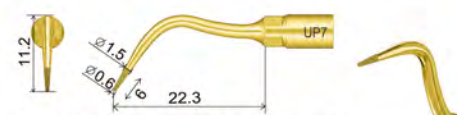
Perio treatment

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.