SciVision

product details

After ten years' research and development,
the third generation of
Piezo Bone Surgery is launched.

Clinical application
Alveolar crest split extraction, Implant, Sinus Lift, Periodontitis, Apical cyst extraction, Crown Extension, Crest splitting, etc.

Micron Cutting

The vibration amplitude of tip is between 20~100μm.
The minimum surgical incision is 3.3mm 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 technology.

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 root preparation. Alloyd paint 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.

Cutting Mode

Under cutting mode, according to the bone density,
adjust power and water volume. The power levels are divided into 7 classes:

01 Level 5, 6, and 7: Class Ⅰ bone
(suitable for bone with high bone density / big cortical bone)

02 Level 3 and 4: Class Ⅱ bone
(suitable for bone with high bone density / large cortical bone)

03 Level 2 and 3: Class Ⅲ bone
(suitable for bone with uniform bone density / good cortical bone)

04 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: 270mm×267mm×110mm

Intermittent running device: intermittent running with 15s pause after 60s operation

Water flow: 20~110ml/min

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

Working Frequency: 24~36KHZ

Weight: 2.6KG

Warranty: 5 years

Complete configuration

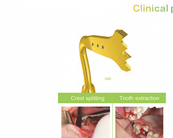
Main unit

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

Disinfection kit

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

Clinical practice



Surgic Touch Tip Series

A Wide Choice for Application

Basic kit

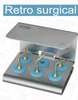
Sinus lift kit

Osteotomy kit

Extraction kit

Periodontal kit

Retro surgical kit

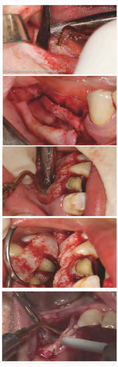


Implant prep kit

Equipped with 14 tips

Bone surgery

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

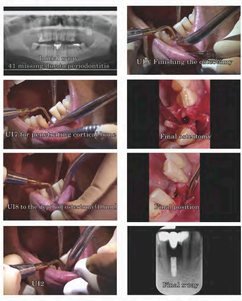


Endodontic

- 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

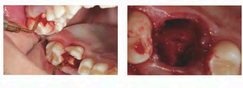
Implantation

- UI1
  Used for implant, with tip ball Φ1.6mm
- UI2
  Used for implant, with tip ball Φ2mm, irrigation from tip point
- NEW! UI3
  φ2mm implant site preparation tip,irrigation from tip point.
- NEW! UI4
  φ3mm implant site preparation tip,irrigation from tip point.
- NEW! UI5
  φ2mm implant site preparation tip,irrigation from tip point.
- NEW! UI6
  φ3mm implant site preparation tip,irrigation from tip point.
- UI7
  Finalize the implant site and bone preparation (diamond-coated)
  *The size of diamond grit is 100μm
- UI8
  For implantation, in plus size, with tip ball Φ1.6mm
- UI9
  Used for implant, with tip ball Φ2.8mm



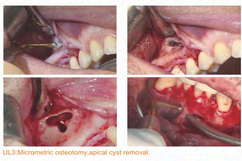
Exelcymosis

- 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
  Micrometic osteotomy near the soft tissue (diamond-coated)
  *The size of diamond grit is 100μm
- UL5
  Peeling of the sinus membrane (angle: 9°)



UL3:Micrometic osteotomy,apical cyst removal.

UL4:Micrometic osteotomy

Periodontal surgery

- UP1
  Root scaling
- UP2
  Root scaling
- UP3
  Root scaling
- UP4
  Root surface debridement and root planning (diamond-coated)
  *The size of diamond grit is 40μm
- UP5
  Perio treatment
- UP6
  Bone remodeling、root planning 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

technical parameter

Dimension: 278mm×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

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