Dentalsalemall

EFFICIENT CUTTING, SUPERIOR PERFORMANCE

Cuts bone-like material with a width of 20 mm and a thickness of 3 mm.

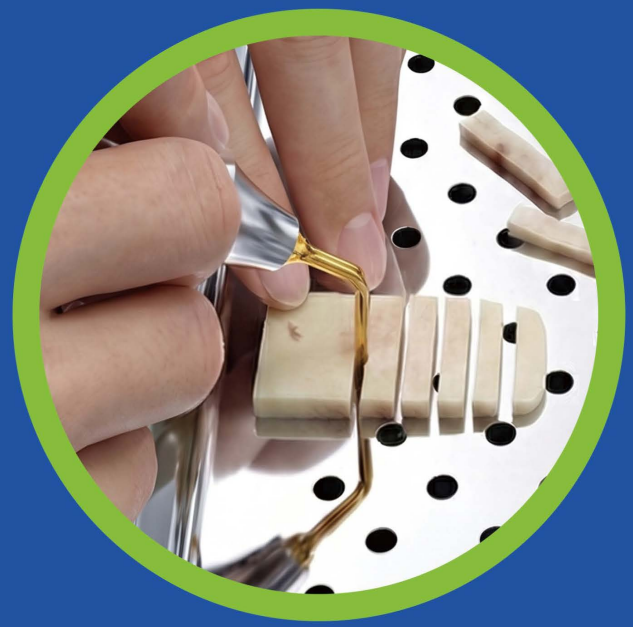
20.92 SECONDS!

AVERAGE CUTTING TIME

CUTTING EFFICIENCY COMPARISON

VRN DS-100	20.92s
Ultrasonic Bone Cutter of a Certain Brand	27.48s

Patent No.: ZL202330705856.9



MINIMALLY INVASIVE CUTTING, PRECISE POSITIONING

MINIMALLY INVASIVE

Minimum Incision: 3.5 mm × 0.5 mm

Effectively minimizes trauma to bone tissue.

PRECISION

Tip Amplitude: 20-200 μm

Enables highly precise cutting through controlled ultra-sonic vibration.

SAFETY

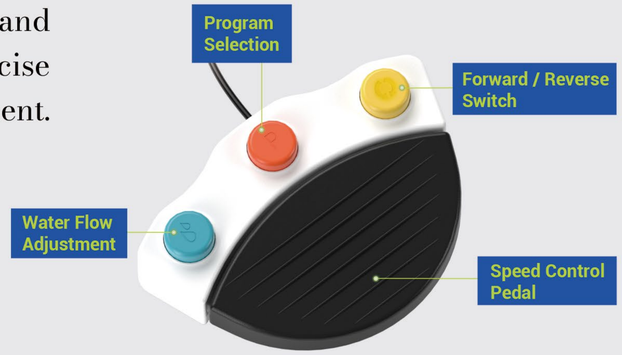
Gentle Frequency Vibration: 22-29.6 kHz

Selectively cuts hard tissue while protecting soft tissue.

MULTIFUNCTION FOOT PEDAL

Control cutting, irrigation, and water flow in real time for precise surgical workflow management.

PATENT NO.:
ZL202330722593.2



25-100 mL/min

CONTINUOUS IRRIGATION

The ultra-quiet motor ensures stable operation and continuous irrigation from 25-100 mL/min for consistent cooling performance.

7-INCH
COLOR TOUCHSCREEN

The 7-inch color touchscreen provides clear visualization of surgical parameters and simplifies operation.

MULTIPLE MODES, EASY SWITCHING

Bone

OSTEOTOMY MODE
· Bone Surgery
· Osteotomy Procedures
· Orthodontic PAOO Surgery
· Sinus Lift Procedures

Perio

PERIODONTAL MODE
· Periodontal Surgery
· Flap Surgery
· Bone Grafting Procedures

Endo

ENDODONTIC MODE
· Apicoectomy
· Periapical Cyst Removal

Rinse

IRRIGATION MODE
· Sterile Irrigation of Surgical Sites

Clean

SELF-CLEANING MODE
· Automatic Irrigation Line Cleaning

HANDPIECE

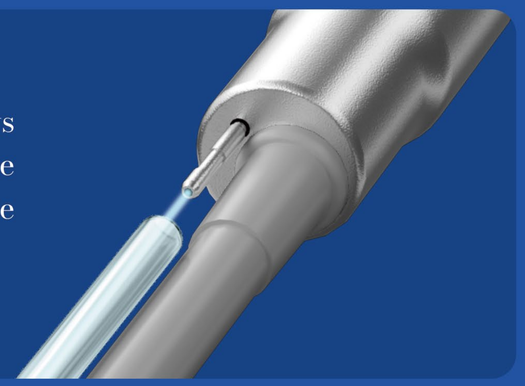
The lightweight 72.2 g handpiece features a 1000 LUX high-brightness LED light, providing excellent visibility throughout the procedure.

72.2 g
LIGHTWEIGHT

1000 LUX
HIGH-BRIGHTNESS LED LIGHT

SEPARATED WATERLINE DESIGN
FOR IMPROVED INFECTION CONTROL

The separated irrigation system allows the use of disposable tubing and sterile saline, enhancing procedural hygiene and infection control.



TECHNICAL SPECIFICATIONS

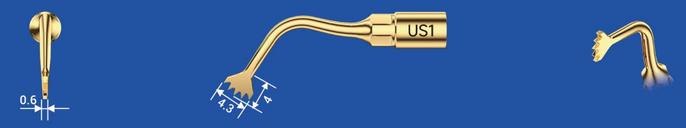
Display	7-inch Color Touch Screen
Foot Control	Multifunction Foot Pedal ×1
Handpiece	Detachable LED Handpiece HS-1 ×1
Operating Modes	Osteotomy / Periodontal / Endodontic / Irrigation / Self-cleaning
Operating Frequency	22-29.6 kHz
Water Flow Rate	25-100 mL/min
Working Cycle	60s ON / 10s OFF
Power Supply	100-240V AC, 50/60Hz, 120VA
Dimensions	290 mm × 290 mm × 130 mm
Weight	3.8 kg
Tips Included	US1, US2, US4, US5, UL3, UC1

COMPREHENSIVE TIP KIT

Standard Configuration (Basic Set):

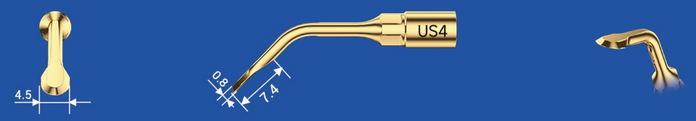
US1 US2 US4 US5 UC1 UL3

US1
Saw Tip



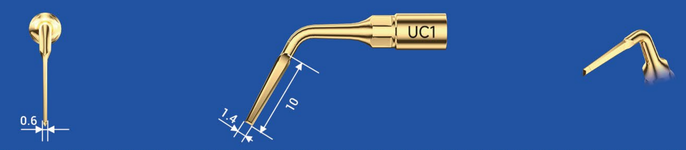
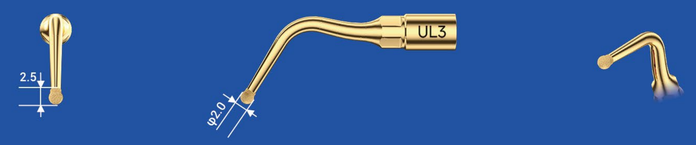
US2
Saw Tip

US4
Serrated Scalpel Tip



US5
Serrated Scalpel Tip

UC1
Bone Harvesting Tip



UL3
Sinus Lift Tip