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WOODPECKER



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2024.1.0 Edition

Since **1989**

CATALOGUE

GUILIN WOODPECKER MEDICAL INSTRUMENT CO., LTD.



National High-tech Enterprise
Build Your Imagination

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812 MT

Worldwide Unique Endo Motor and Apex Locator with Sonic Vibration

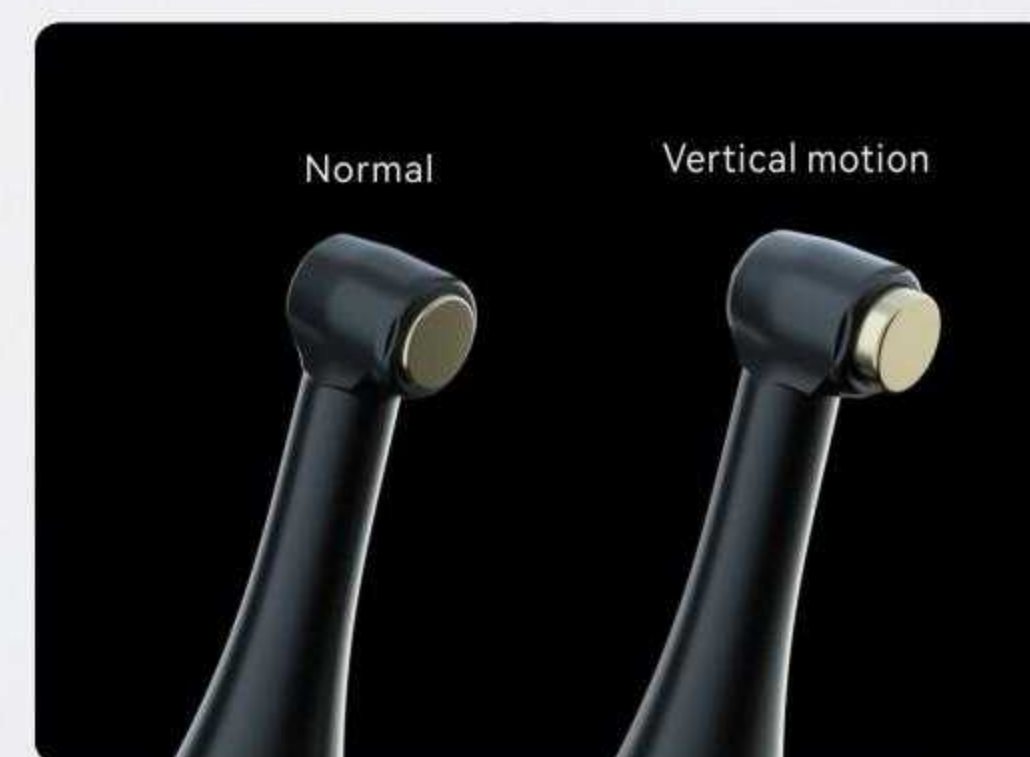
UPGRADED T-MODE PLUS = ROTATION + VIBRATION

IDEAL FILLING OF SMALL ANATOMICAL SPACES

- Two-pronged approach to assist MTA compaction
- Biofilm disruption by sonic instrumentation
- Three vibration powers optional
- T-mode for safer ledge bypassing
- Can be connected to Ai-Pex, large screen for clearer and more intuitive display
- Two in one built-in apex locator
- Customizable reciprocating angle
- High performance brushless motor

PERFECT PARTNER

- 360° rotatable
Super mini contra-angle x2
- Larger operating field of view,
No dead angle in the treatment process



Speed: 50-2500 r/min
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 163g
Built in apex locator: Yes
Working mode: EAL, CW, CCW, REC, T-Mode, T-Mode+
Battery: 2000 mAh

Vertical charging base x1
Horizontal charging base x1
Motor handpiece x1
Contra-angle x2
Wireless pedal x1
Spray nozzle x2
Measuring wire x1
File clip x4
Lip hook x2

Yoshi Terauchi
Prof. Dr. Yoshi Terauchi



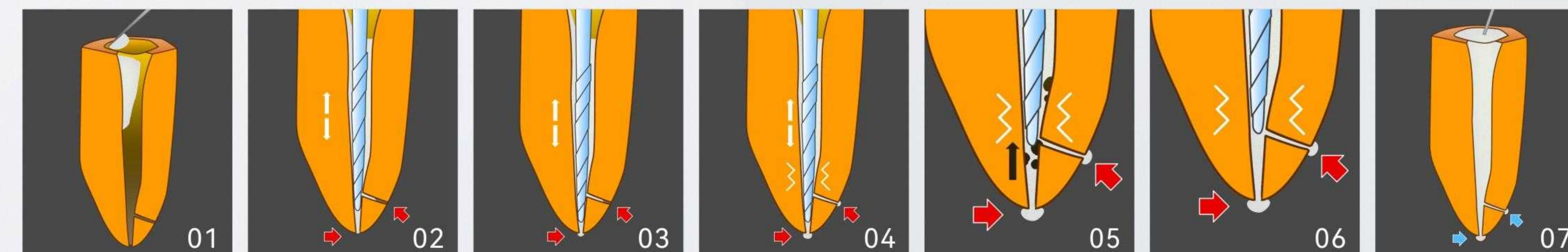
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IDEAL FILLING OF SMALL ANATOMICAL SPACES

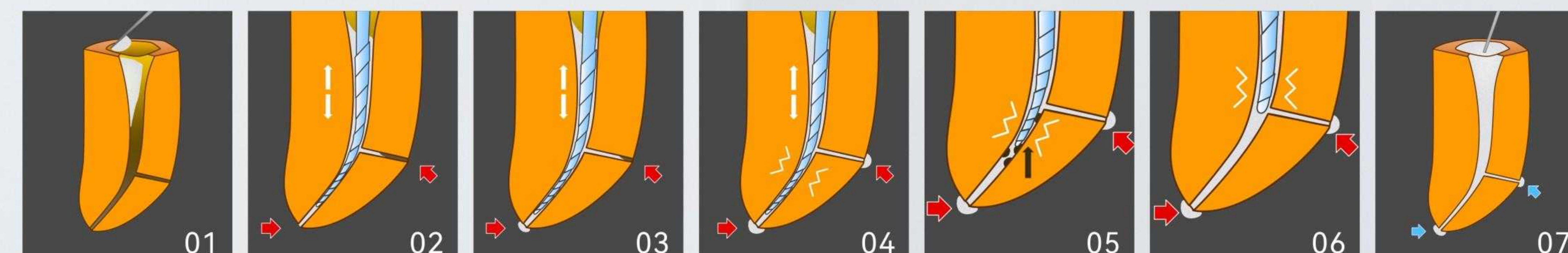
Comparison results: condensing MTA with T-Mode+ can achieve consistent filling of small anatomical spaces, no voids.
Select a rotary file smaller than the apical preparation size as a condenser.

Curvature < 30°:



01. Pre-op(Carry MTA into the canal with the MTA carrier).
02. Use 90° SGP at 100 - 150 r/min to carry MTA to the apical foramen until EAL shows "APEX".
03. Use CCW at 50-100 r/min with an up/down motion to condense MTA in the apical third upon reaching "APEX".
04. Activate sonics while using CCW with an up/down motion to both further condense MTA into lateral canals or small anatomical spaces and remove voids when EAL shows "0.5".
05. Use CW at 50-100 r/min to remove voids trapped in the apical third with sonics.
06. Keep using CCW at 50-100 r/min with sonics until EAL hits "0.5" again from "APEX" to complete MTA obturation in the apical third.
07. Complete MTA obturation with a plugger in the middle third or in the coronal third.

Curvature ≥ 30°:



01. Pre-op(Carry MTA into the canal with the MTA carrier).
02. Use 90° SGP at 100 - 150 r/min to carry MTA to the apical foramen until EAL shows "APEX".
03. Use 50° CW / 380° CCW REC at 50-100 r/min with an up/down motion to condense MTA in the apical third upon reaching "APEX".(SGP for USA,Japan and some EU countries, the angle set based on curvature.)
04. Activate sonics while using the same REC (SGP) mode with an up/down motion to both further condense MTA into lateral canals or small anatomical spaces and remove voids when EAL shows "0.5".
05. Use CW 380° / CCW 50° REC at 50-150 r/min with sonics to remove voids trapped in the apical third.(SGP for USA,Japan and some EU countries, the angle set based on curvature.)
06. Keep using the same REC (SGP) mode at 50-100 r/min with sonics until EAL hits "0.5" again from "APEX" to complete MTA obturation in the apical third.
07. Complete MTA obturation with a plugger in the middle third or in the coronal third.

Smart A

Equipped with Insulated
Contra-angle
Brushless Endo Motor



SCAN THE QR CODE TO
DOWNLOAD WENDO

For Apple devices



Use your phone's camera
to scan the QR code,
and it will take you to the
Apple Store for download

For Android devices



Use the built-in "Scan" function or
your browser's "Scan" function to
recognize the QR code.
This will direct you to a webpage for
downloading and installing the app



Smart APP control and voice control by vivi:
Multiple devices supported like iPad,
iPhone and Android phones

Customizable treatment plan: Files from different brands can be selected
Could storage of treatment report delivers personal customization
BB MODE & LB MODE

BB MODE:

BB is the abbreviation of "block bypass".

The file moves continuously at an angle of 90°,
with 1s interval between each movement.

LB MODE:

LB is the abbreviation of "ledge bypass".

The file reciprocates with a difference of 5° between the forward angle and the reverse angle,
such as 10°/5°, 15°/10°, 20°/15°...



Speed: 50-2500 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 110.8g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP), LB, BB
Battery: 600 mAh on handpiece, 2000 mAh on base

Charging base ×1
Handpiece ×1
Contra-angle ×1
Wireless foot pedal ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×2



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Ai-Motor

Woodpecker Brushless Endo Motor

REDESIGNED FOR EXPERTS

Safe ledge bypassing T-Mode:

Perform "watch-winding" motion at a fixed 90° before the ledge is bypassed,
and reciprocate at a fixed forward 180°
and reverse 90° after the ledge is bypassed.

Speed: 50-2500 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 157 g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP), T-mode
Battery: 2000 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×2
Measuring wire ×1
File clip ×4
Lip hook ×2

Customizable reciprocating angle

Adjustable rotation angle in reciprocating mode

20°- 400°
Adjustment range

10°
Adjustment interval

360°
Rotatable

8.0mm(Diameter)*9.7mm(Height)
Mini contra-angle



Yoshi Terauchi

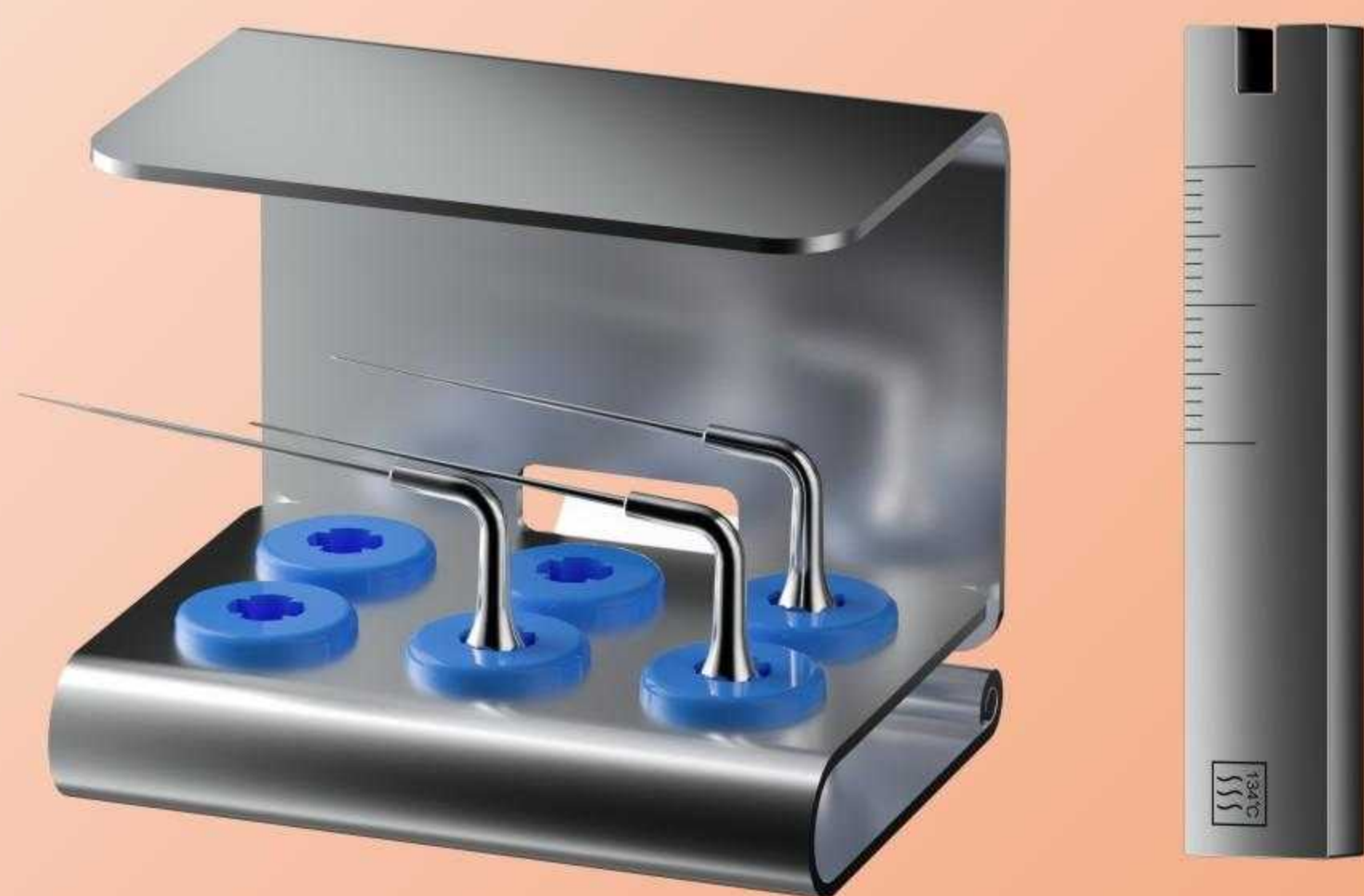


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Broken File Removal Tips × Dr. Yoshi Terauchi

Retrieval with Ease



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Yoshi Terauchi

Please use the minimum power level in the Endo Mode of the ultrasonic scaler



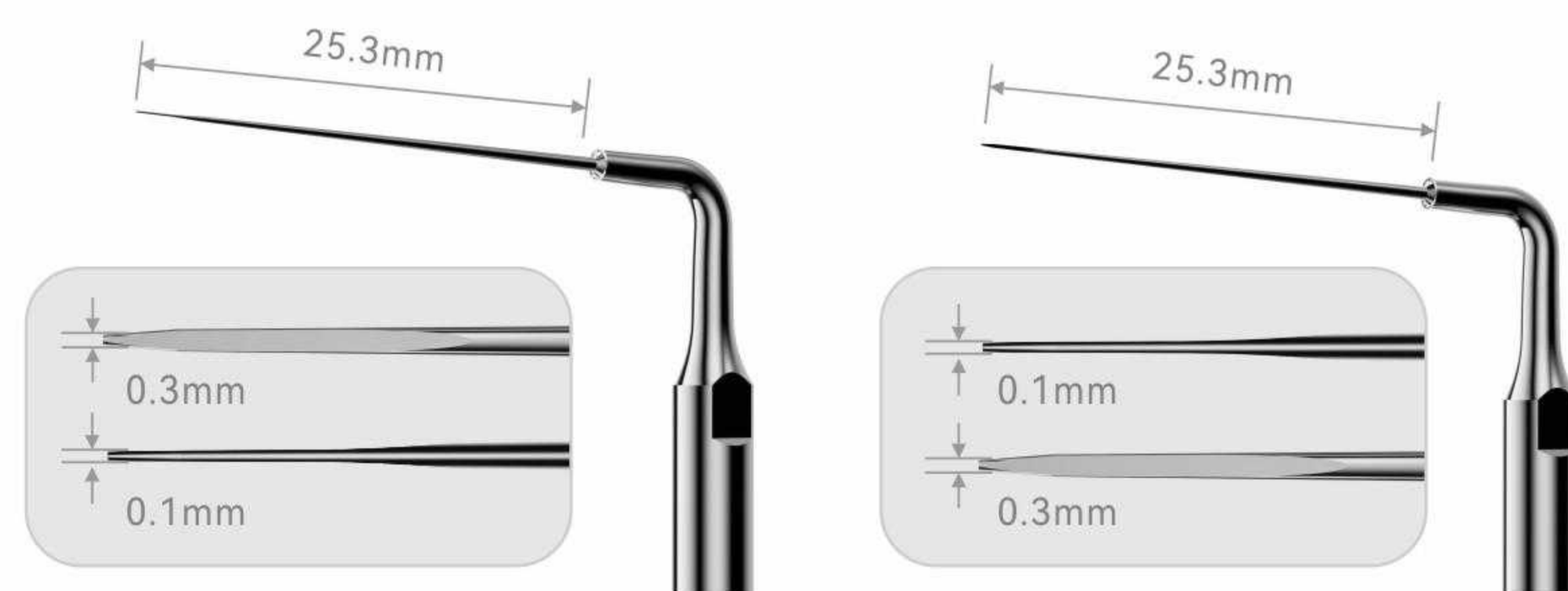
ED87 TFRK-S

The tip is characterized by an extremely sharp cone-shaped head: 0.1 mm diameter and 0.01 taper. (can be pre-curved according to the degrees of the root canal curvature)

- Feature1: Extend the grooved space until the broken file is seen dancing after the creation of the 90-degree semicircular space on the inner wall with either Katana-V or Katana-H
- Feature 2: Remove the broken file
- Feature 3: Create a thin space for the introduction of the hand gutta-percha removal instrument and remove gutta-percha root filling

ED88 Katana-V ED89 Katana-H

The ultrasonic tips are designed with an extremely thin sword-shaped head. Activate ultrasonics with the flat surface directed to the broken file from the inner wall of the canal (can be pre-curved according to the degrees of the root canal curvature)



- Feature: Create a 90-degree semicircular grooved space

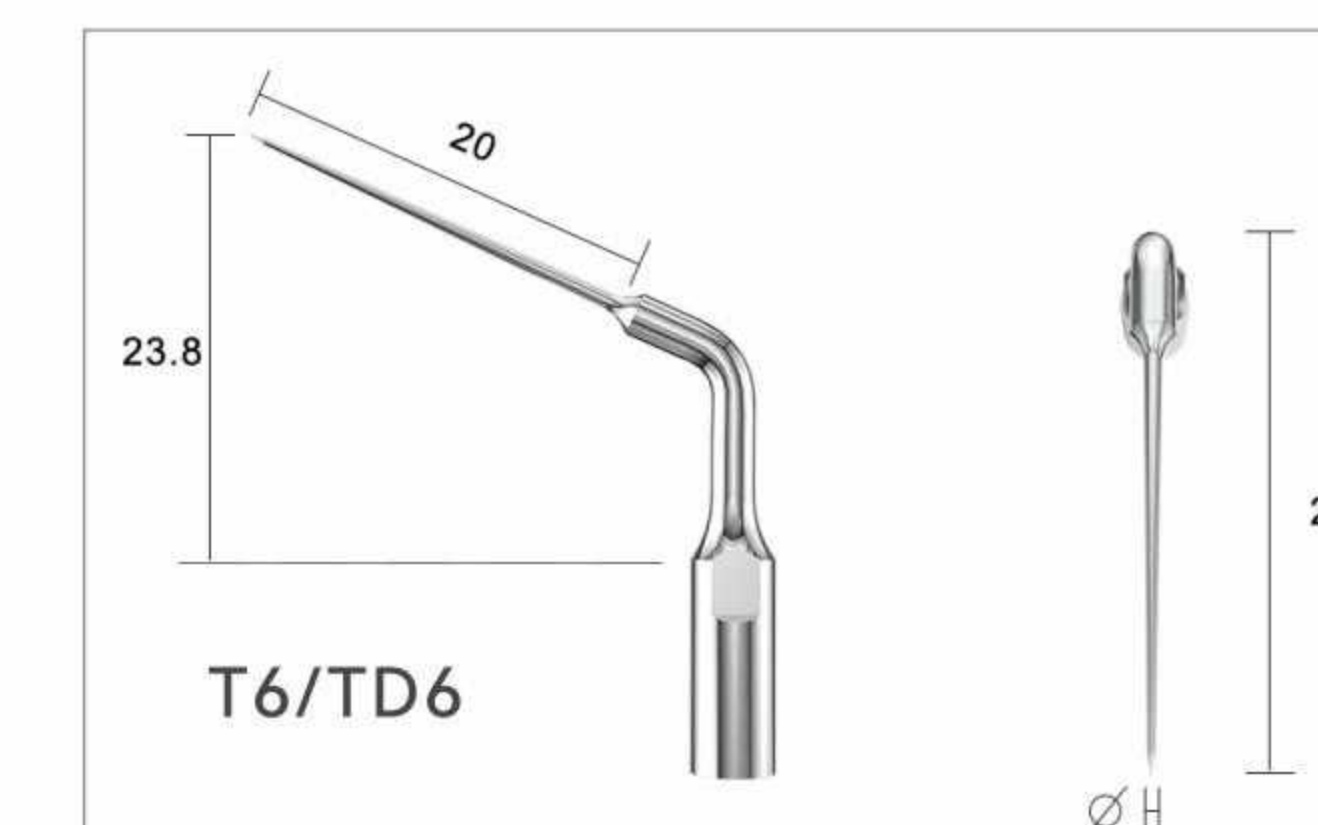
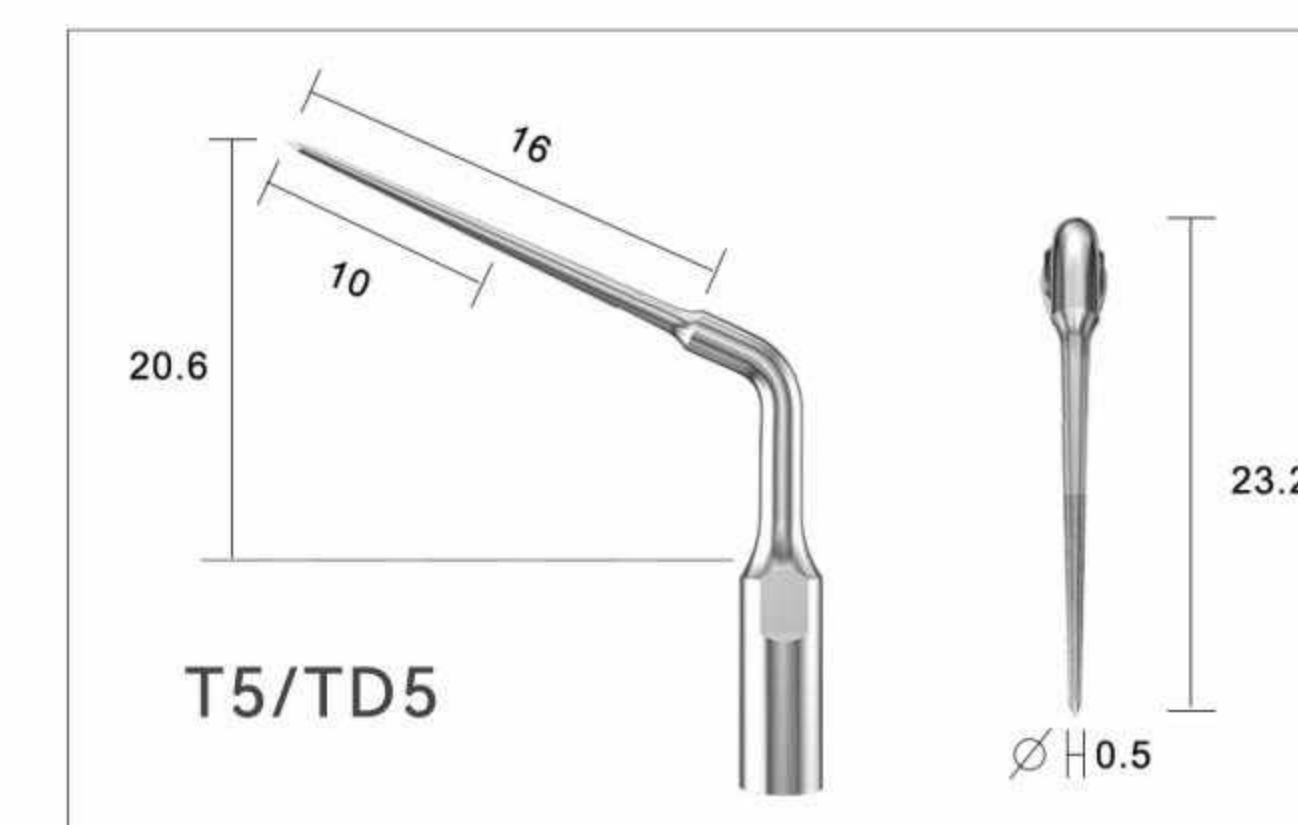
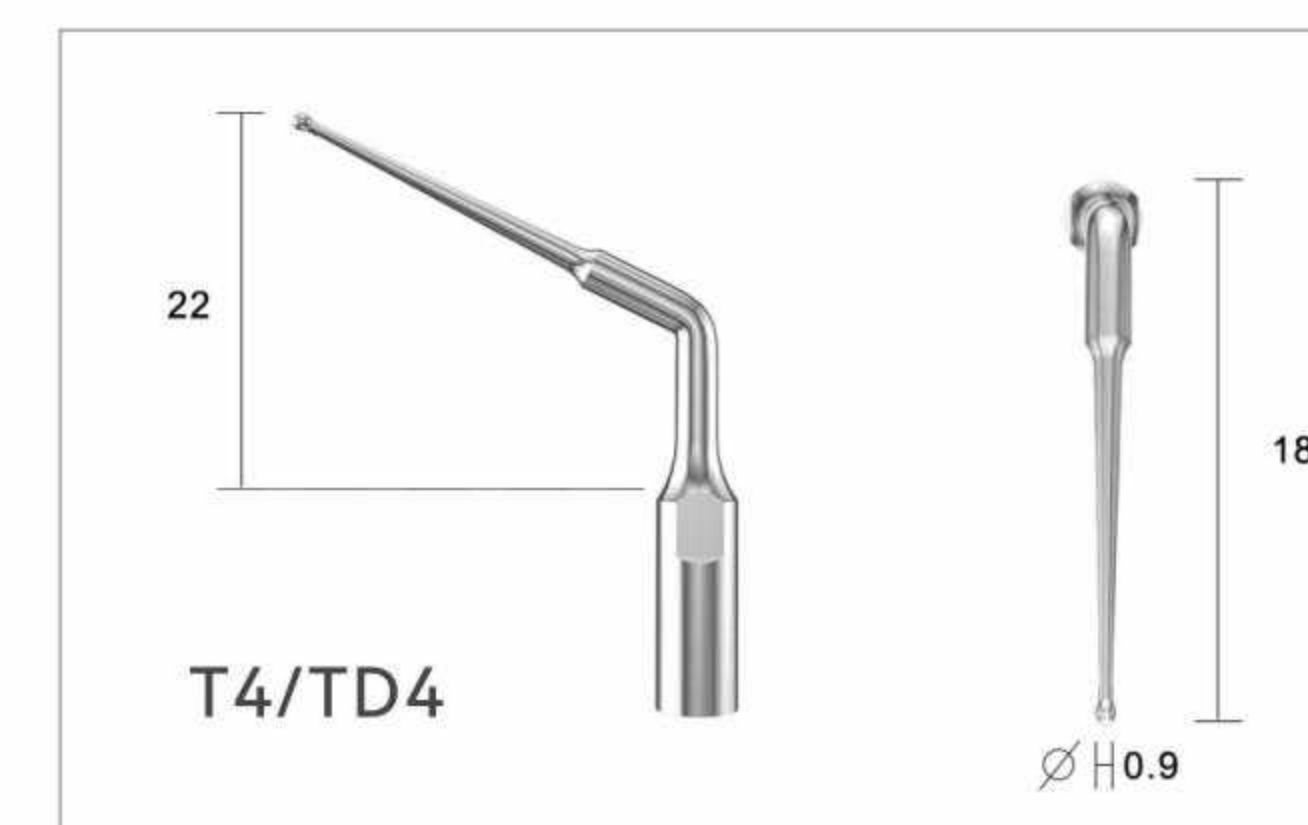
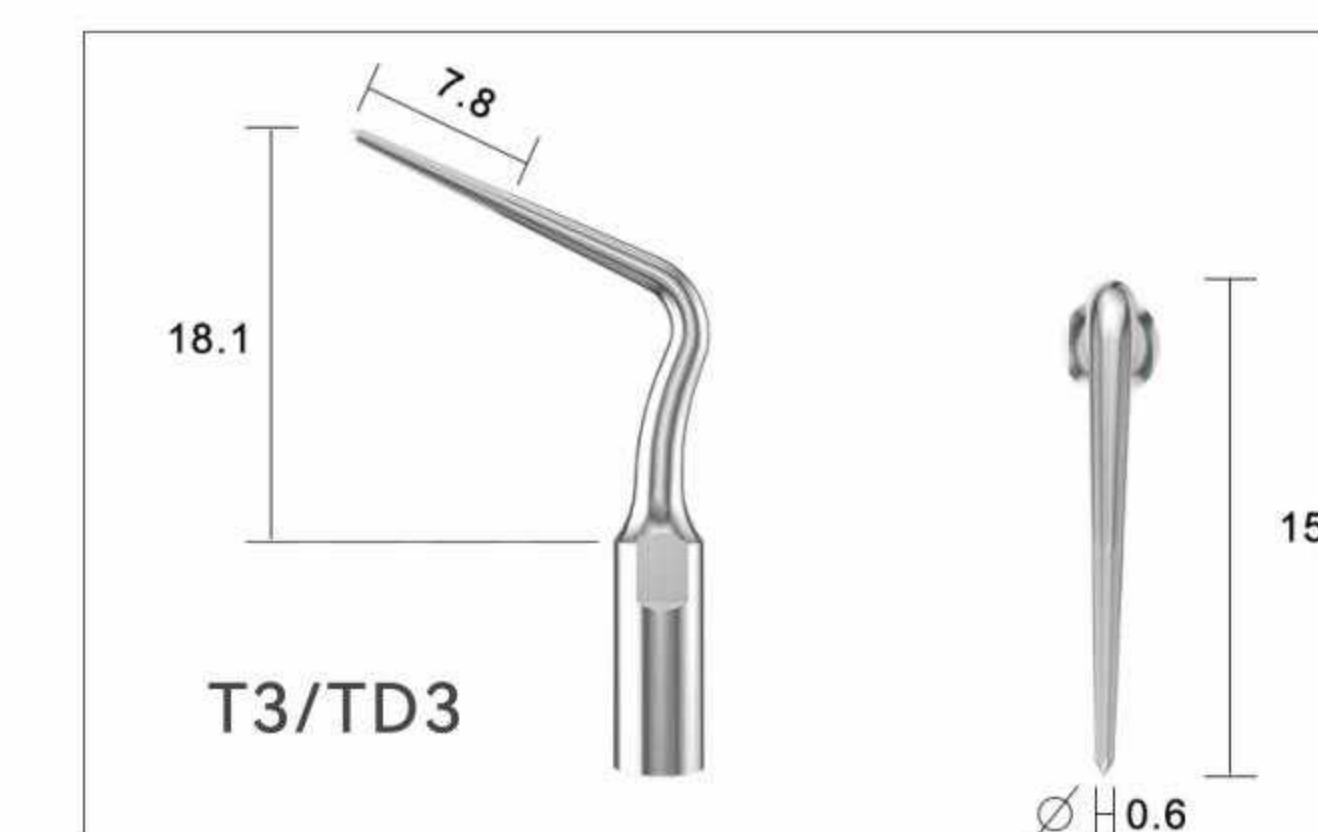
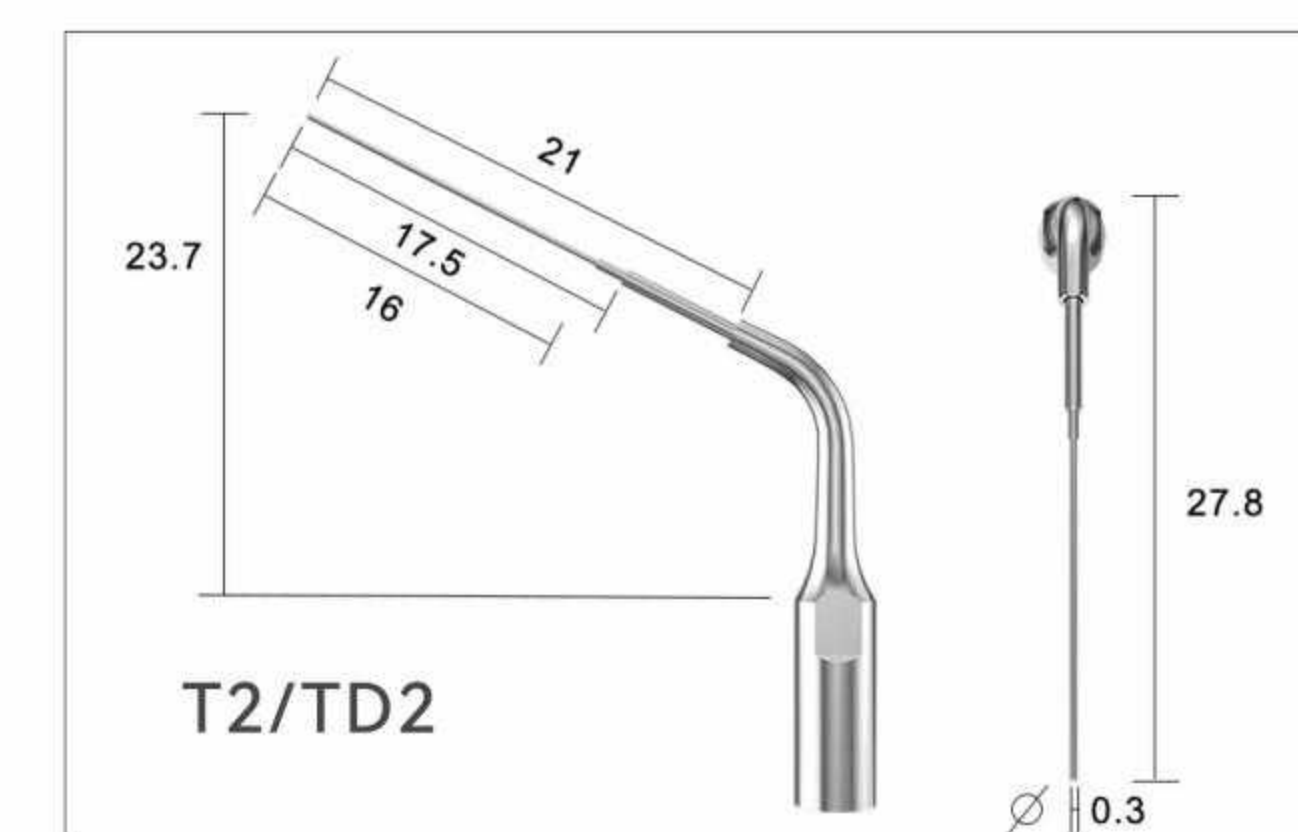
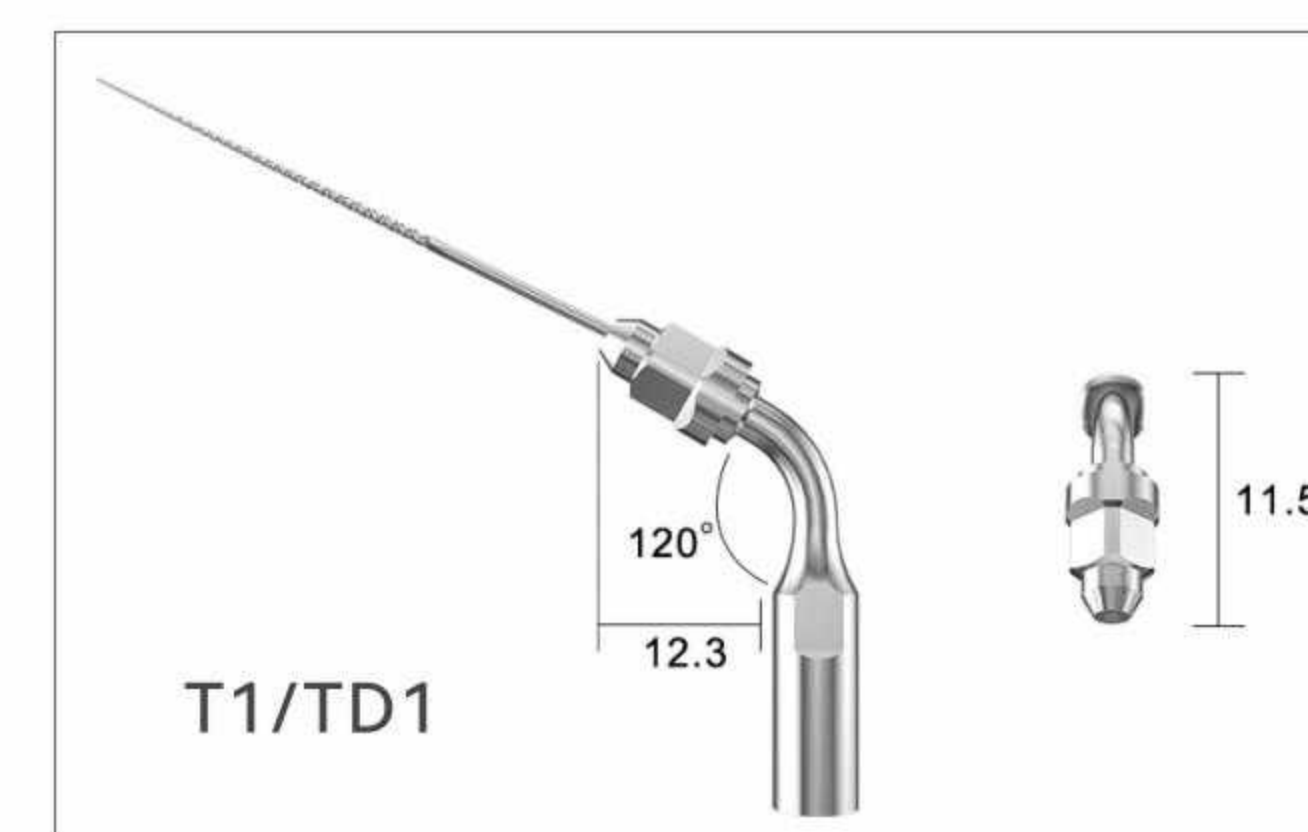
Dr. Talal's Endo Kit

Endodontic Ultrasonic Tips By Dr. Talal Al-Nahlawi

- Tip ×6
- Tip holder ×1
- Wrench ×1
- U file ×6



Talal



Dr Talal's Endo Kits
Demo Videos

Ai-Motor Brushless Endo Motor

Super mini head & slim neck
Stronger power
Precise rotation
Lower noise
Balanced weight

Speed: 100-1800 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 157g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP)
Battery: 2000 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×2



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Endo Radar Pro Brushless Endo Motor

Two-in-one function

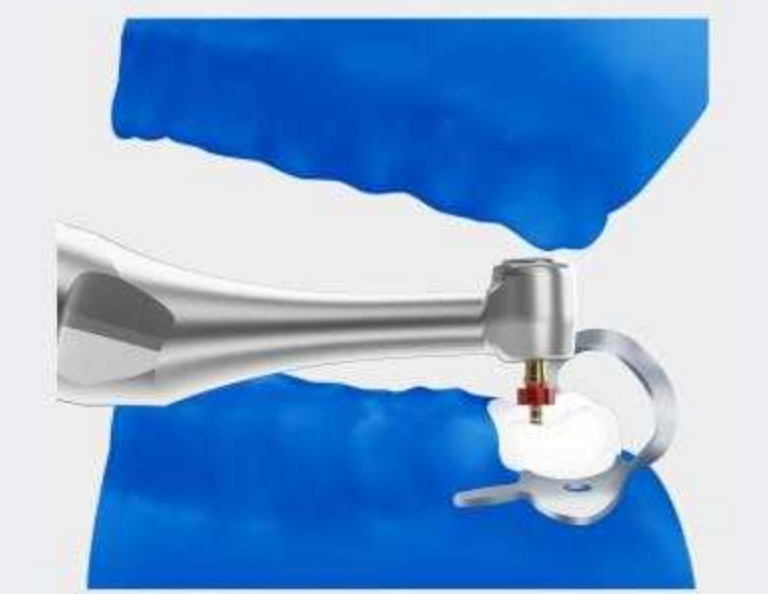
- 1.Auto start and stop
- 2.Auto apical reverse and auto apical stop
- 3.Auto apical slowdown

Super-mini contra-angle:

The contra-angle is only 8mm in diameter and 9.7mm in height with 6mm in neck diameter



Head and neck of ordinary contra-angle



Head and neck of Woodpecker super-mini contra-angle

High performance brushless motor

Adjustment range of forward and reverse reciprocating angle: 20°-400°

Adjustable reciprocating angle with 10° interval



Speed: 100-2500 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 138.2g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP)
Battery: 1200 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×2
USB wire ×1



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Endo Smart Pro

Brushless Endo Motor

Super mini head & slim neck
Stronger power
Precise rotation
Lower noise
Balanced weight

Speed:100-1800rpm
Torque: 0.4-5 N·cm
Ratio of contra-angle: 6:1
Weight with cA: 159.1g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP)
Battery: 2000 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×2



Endo Smart +

Brushless Endo Motor

Automatic torque calibration

Wireless charging
Customization:
Storage of 9 user-defined modes
allows invocation at any time.

Maximum compatibility:
Wide torque and speed range make
it adapt to various file systems.

Speed: 100-1800 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 159.1g
Built in apex locator: No
Working mode: FWD, REV, REC(SGP)
Battery: 2000 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Connection cable ×1



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6:1
Super mini contra-angle
Combined length determination mode

MotoPex

Brushless Endo Motor

Super mini head & slim neck
Stronger power
Precise rotation
Lower noise
Balanced weight



Speed: 100-1800 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 153.5g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP)
Battery: 2000 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×2



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Feather Light Only 106.8g

Endo Pace & Endo Free

Brushless Endo Motor

High performance brushless motor
6:1 mini contra-angle
Head height: 9.7mm
Head diameter: 8mm
Neck diameter: 6mm
Can be connected to Apex Locator

Speed: 100-1500 rpm
Torque: 0.4-4.2 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 106.8g
Built in apex locator: No
Working mode: FWD, REV, REC(SGP)
Battery: 850 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Connection cable ×1



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ENDOMATIC

Cordless Endo Motor combined
with length determination
All-angle OLED screen
300° adjustable contra-angle

Speed: 100-1000 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1
Weight with CA: 155g
Built in apex locator: Yes
Working mode: FWD, REV, REC(SGP)
Battery: 2000 mAh

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×2



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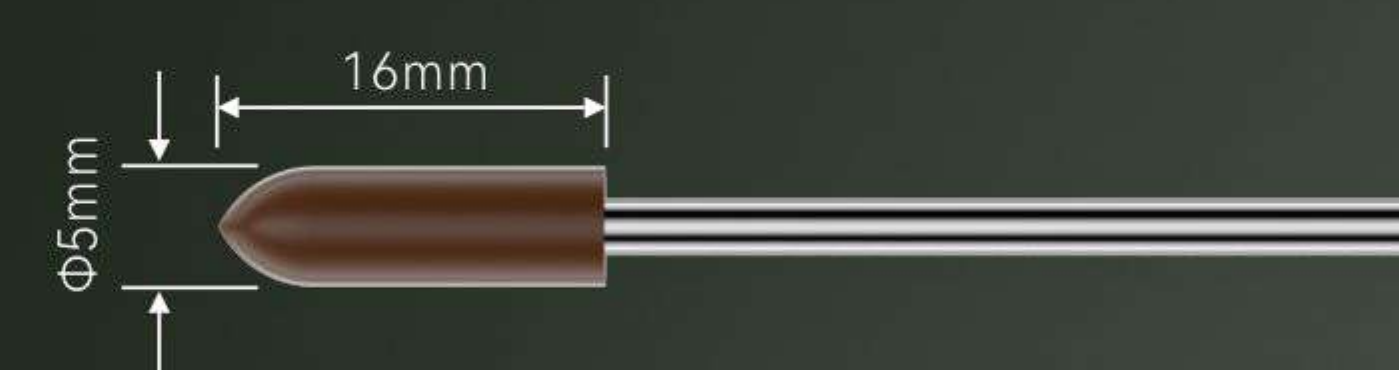
TFRK

Terauchi File Removal Kit

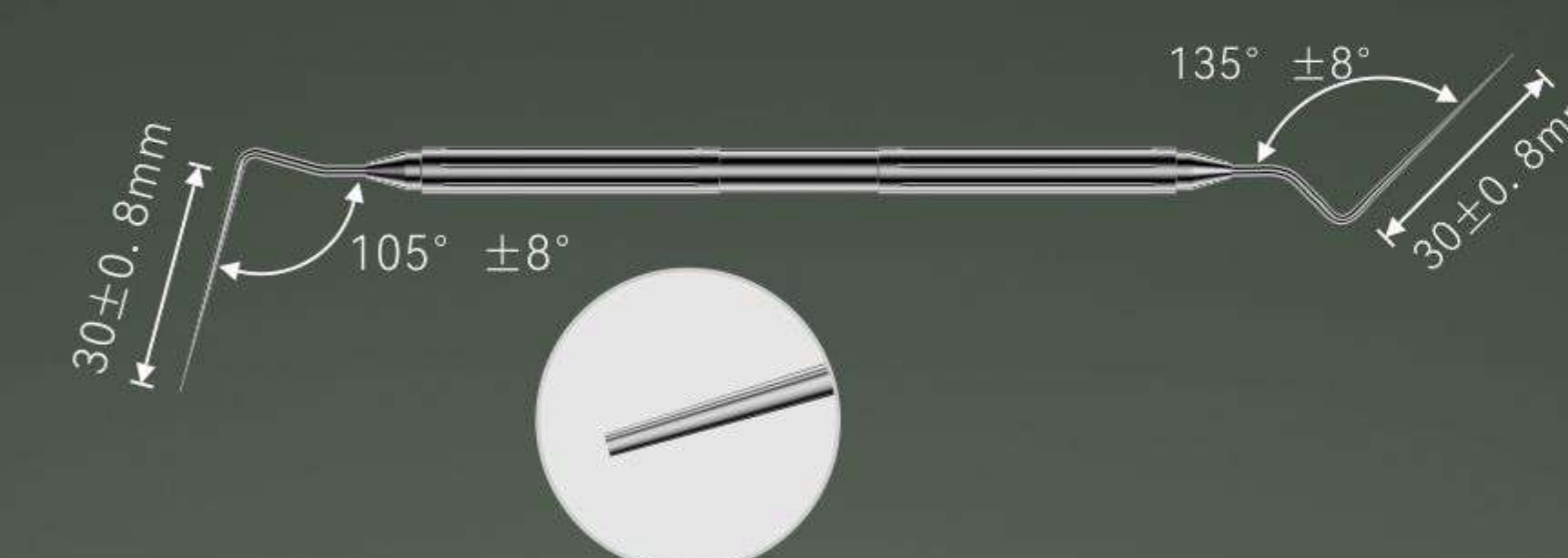
▪ Loop Device: TFRK-L+ x1



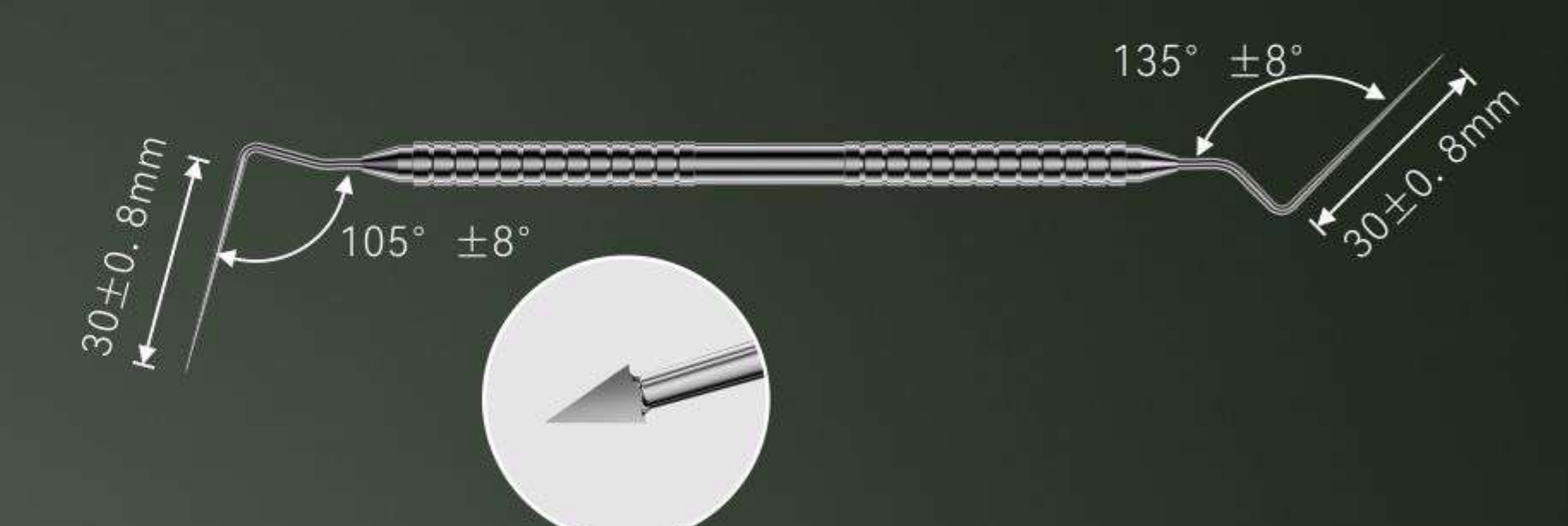
▪ Polishing Point x1



▪ Explorer x2



TFRK-ME



TFRK-GPR

▪ Rotary File x2



K-ENDO (K6 N60 2%L25)



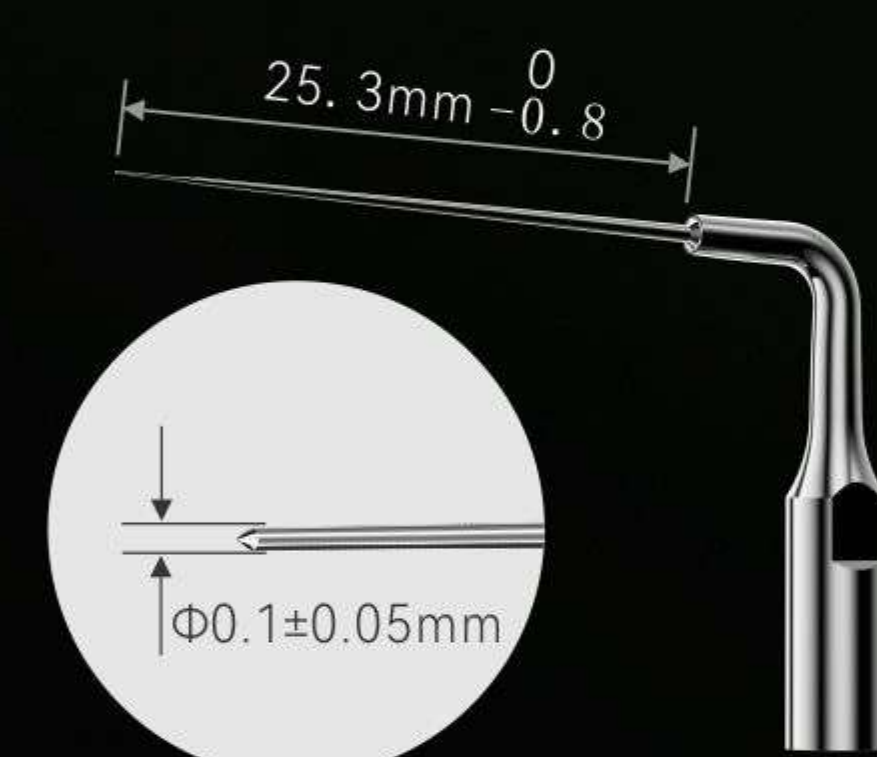
GATE DRULS2#3

▪ Fresa Micro-Trephine x1



TFRK-MT

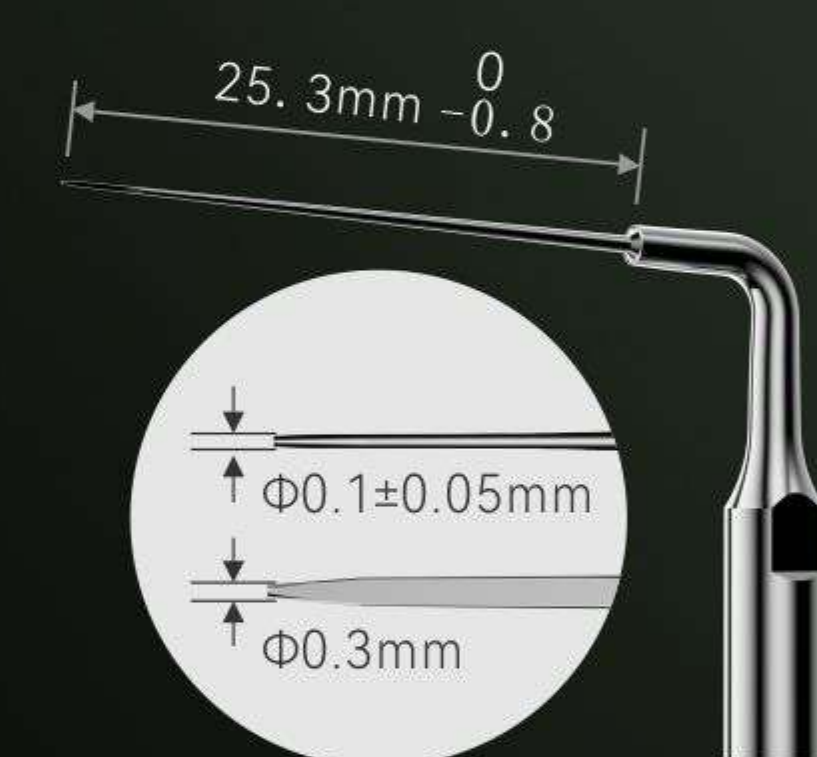
▪ Bendable Ultrasonic Tips x3



ED87



ED88



ED89



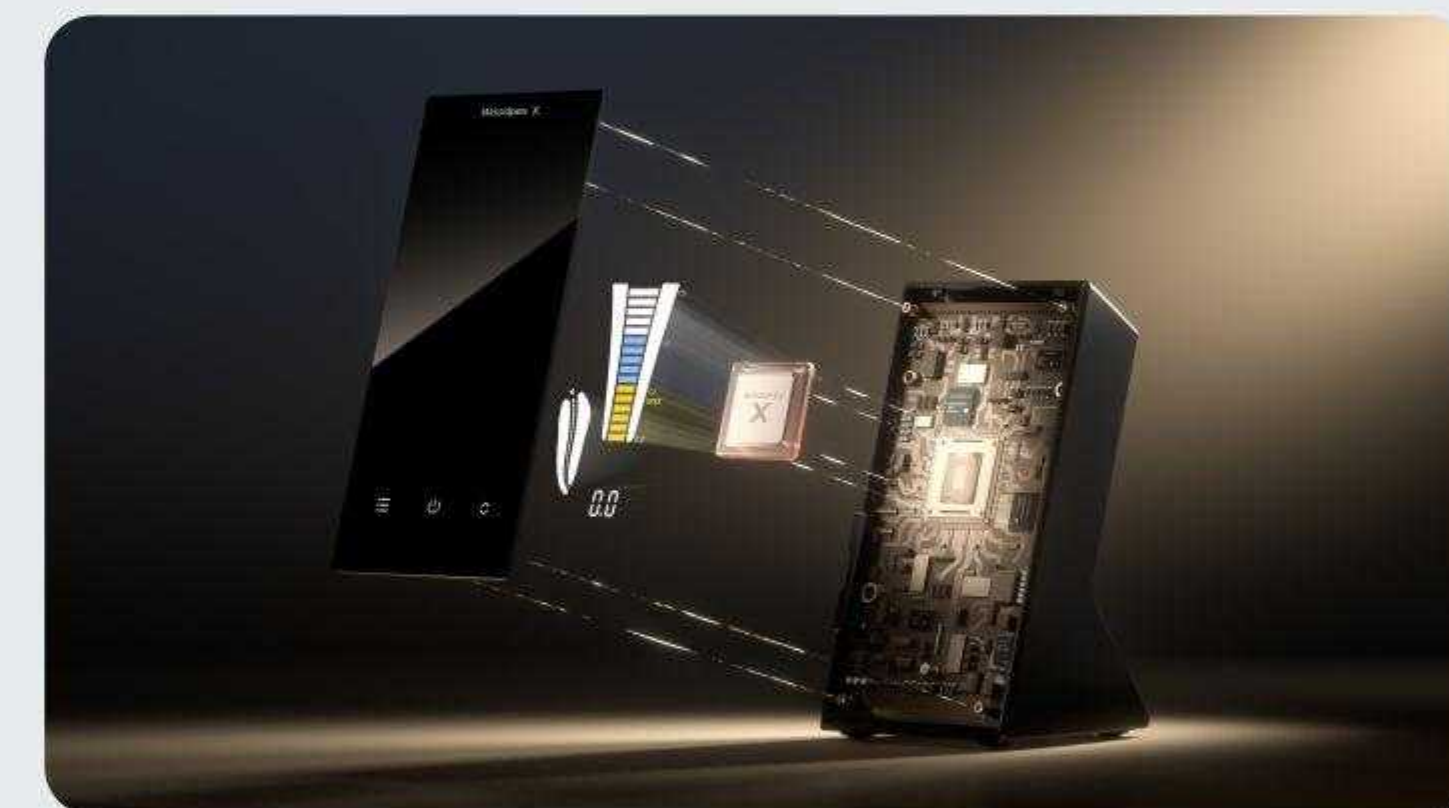
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Woodpex X_{MHN}

Precision Beyond Measure

New Circuit Design, Minimized Interference

- Auto calibration after startup
- Cutting-edge digital circuit
- U.S. central processing chip with a DSP processing module
- 0.1% high-precision components
- Information processing speed increased by 2.125 times



Sound Recognition, Capable Aid in Operation

- 2 sound levels can be adjusted as you wish.

Support Apical Stop Reset

3.8-inch large LCD screen

- Clearer and visual display

Working Time: 7h
Charging Time: 3h
Battery: 3.7V/2000mAh

Not autoclavable:
Measuring wire ×1

Autoclavable:
File clip ×4
Apex locator probe ×2
Lip hook ×5



Woodpex X

It shares all the features with Dpex X MHN except for its lack of Orifice Finder Mode.



Ai - Pex

Constant current source:
Electric pulp testing

Magnetic adsorption base:
360° rotatable, the viewing angle of the screen can be adjusted.

Sound recognition:
When the length indicator bar reaches a digital number below 1.5, the machine intermittently emits low-frequency beeps.

Working time: 5h20min
Charging time: 3h
Size: 101mm×101mm×175.5mm
Weight: 685 g
Battery: 3.7 V / 2000 mAh (model: 18500)
Screen: 3.8-inch LCD

File clip ×4
Lip hook ×5
Apex locator probe ×2
Pulp tester probe ×2



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98^{Point} Accuracy APEX LOCATOR WOODPEX V

Accurate: Combined with clinical big data fitting, it can ensure accurate measuring even there are residual pulp and blood in the root canal.

New digital circuit: Information processing speed increased by 17%

Simple: Zoom in on the apical 1/3 narrow part and subdivision from 11-19

Buzzer alert: The buzzer will alert when the endo file is close to the apex

Size: 84mm×88mm×112mm

Weight: 336g

Battery: 3.6V / 750 mAh (Model: 14500)

Screen: 4.5" LCD

File clip ×4

Lip hook ×5

Probe ×2



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Minipex

Voice prompt:

Alarm rings when the distance between root canal file and root canal is less than 2mm

Auto calibration after startup

Equipped with clear screen LCD

Size: 70mm*62mm*20mm

Weight: 52.1g

Screen: 2.4-inch LED

Battery: 3.7V/320mAh

File clip ×2

Lip hook ×2

Probe ×1



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Fi-E Gutta Percha Obturation Device

Electric: Easier than traditional manual gutta-percha injection to relieve hand fatigue for the operator

360° rotatable reusable injection needle

Symmetrically-designed dual injection buttons

The gutta-percha bar can be replaced at any time without waiting for the internal cooling of machine

Size: 200mm*26mm*26mm

Available temperatures: 100°C, 120°C, 150°C, 180°C, 200°C

Time consumption for charging: About 2.5h (First charging needs 3h)

Battery capacity: 2000mAh

Weight: 148g (Fi-E)

179g (Charging base)

167g (Power adapter)

Main unit ×1

Charging base ×1

Power adapter ×1

Battery ×2

Injection needle ×4



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Fi - P

Time consumption for charging: About 2.5h
Duration after full charging: If each operation lasts for 5s,
it can work for 1500 times
Battery capacity: 2000mAh
Size: 158.3mm*23.8mm*23.8mm (Fi-P)
75.5mm*149.7mm*62.6mm (Charging base)
Weight: 80g (Fi-P)
195g (Charging base)
167g (Power adapter)

0.2 second heating time
0.35mm bendable tip
4 working temperatures: 150°C, 180°C, 200°C, 230°C
4 hours of endurance

Main unit ×1 Wp4504 tip ×1
Charging base ×1 WP5506 tip ×1
Power adapter ×1 WP5508 tip ×1
WP4004 tip ×1

Type	Diameter	Taper
WP3504	0.35mm	0.04
WP4004	0.40mm	0.04
WP4504	0.45mm	0.04
WP5004	0.50mm	0.04
WR5506	0.55mm	0.06
WP5508	0.55mm	0.08
WP5510	0.55mm	0.10
WP6012	0.60mm	0.1 2
WP5508L	0.55mm	0.08



Fi - G

Available temperatures: 150°C, 180°C, 200°C, 230°C
Time consumption for charging: About 2.5h
Power supply:
Input: AC100V-240V 50/60Hz 800mA
Output: DC15V/1.6A
Battery capacity: 2000mAh
Size: 31.9mm*152.5mm*114.9mm(Fi-G)
75.5mm*149.7mm*62.6mm (Charging base)
Weight: 170g (Fi-G)
207g (Charging base)
167g (Power adapter)

Main unit ×1 23G 24mm needle ×1
Charging base ×1 23G 28mm needle ×1
Power adapter ×1 25G 24mm needle ×2

Type	Size	Length
20G 22mm	20G	22mm
20G 24mm	20G	24mm
20G 28mm	20G	28mm
23G 24mm	23G	24mm
23G 28mm	23G	28mm
25G 24mm	25G	24mm



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R1 Plus

Gutta-percha point trimming, smooth and glabrous cut surface
 18 trimming and diameter measuring holes with an accuracy of 0.01mm,
 suitable for all gutta-percha points on the market
 30mm length measuring ruler
 Anti-rust and double-sided cutting blade,
 smooth cutting can be done by sliding forward or backward.



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Ultrasonic Endo Activate Device

Endo 3

- Versatile
- Smart
- User-friendly

Three power levels: E1, E2, E3

Four time modes: 10(10s), 15(15s), 20(20s), --(10min)

User-friendly ring switch button

Clear LCD screen

Wireless control: magnetic suction contact charging

Smart microcomputer control: the high-frequency oscillation circuit and acts on the handpiece head, making the tip resonate by the ultrasonic vibration stimulation.

Size: 173.8mm×25.8mm×35.8mm

Weight: 78g

Battery: 3.6V / 750mAh (model:14500)

Outout tip vibration frequency: 40kHz±10kHz

Main unit ×1

Power adapter ×1

Pedestal charger ×1

Tip E70 ×1

Tip E71 ×10

Tip E96 ×2

Tip E99 ×2



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PT-BTM Five - in - One

Comfort Reigns Convenience Rules

State-of-the-Art Perio Treatment Protocol

Air polishing

Realize both supra-and subgingival scaling
12 levels of water volume and power adjustment for precise treatment
4 temperature settings for added comfort

System setting

Central processing interface
Multiple mode selection
One-button switch

Ultrasonic scaling

Three modules: G P E
Four functions:
Periodontal treatment Endodontic treatment
Cavity preparation Implant maintenance
To offer a one-stop ultrasonic solution



- Air polishing
- Restoration preparation
- Periodontal treatment
- Endodontic treatment
- Implant maintenance



Efficient temperature control for maximum comfort



Wireless foot pedal for easy control



Ultra HD screen for clear display



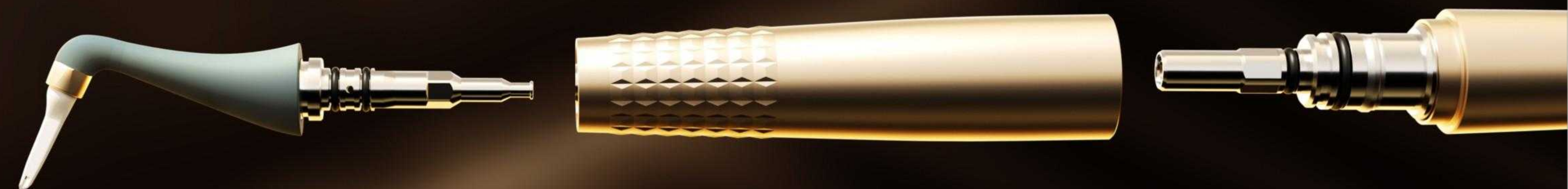
Automatic identification of scaling mode

Advanced Handpiece Design

All-metal and light handpiece
Added durability and comfort



Three-section detachable handpiece, easy for unclogging and cleaning



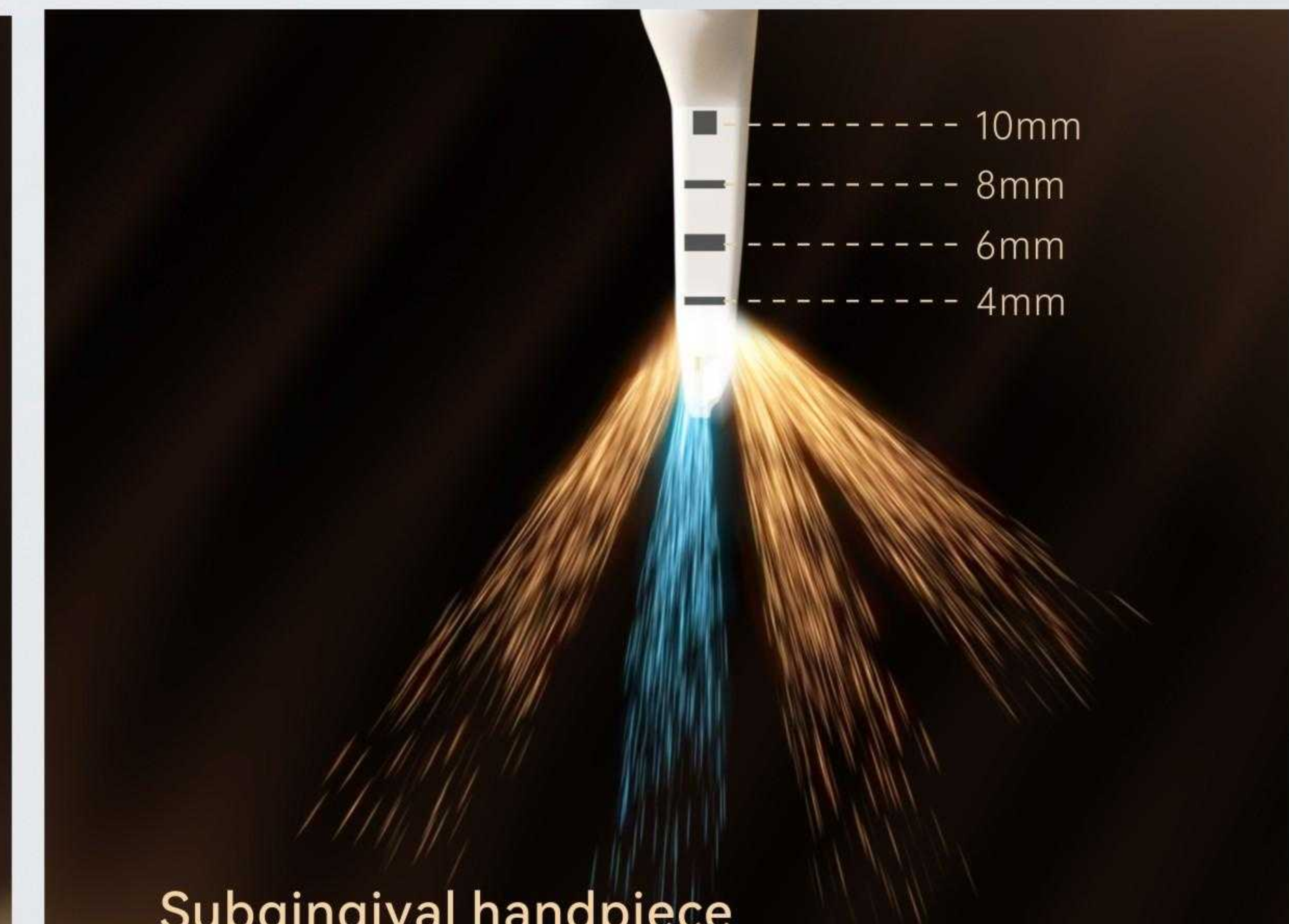
Supragingival handpiece

0.7mm small calibre nozzle, more concentrated air polishing, more efficient scaling

High concentricity of air-water path wraps powder with water, minimizing powder scattering

Fluid dynamics simulation design enables soft energy release

No damage to soft tissue, nor scratch to the tooth surface



Subgingival handpiece

Exclusive nozzle allows three-hole powder output and one-hole water output

Ensure the proper mixing ratio of water, air and powder, achieving thorough biofilm removal

Made of polymer material, 360° rotatable and bendable, flexible to operate

Realize all-round cleaning of periodontal pockets



Dental Scaler and Air Polisher

35 National Patents **5** Invention Patents

Air polishing+ Ultrasonic periodontal treatment +
Endodontic treatment + Implant maintenance
Efficient and comfortable plaque removal

- Main unit input: 25V~ 50Hz/60Hz 2.8A
- Output tip vibration frequency: 30±5kHz
- Output tip power: 3W~20W
- Main unit weight: 2.75kg
- Main unit dimensions L×W×H:
330mm × 280mm × 120mm

- Main unit ×1
- Ultrasonic handpiece ×2
- Tips: P33x2, P50Lx2, P50Rx2, P56x2,
P59x2, P94x1, P95x1, E60x2
- Air polishing handpiece (AP-1/AP-2)×2
- Powder tank ×2
- Prophylaxis powder ×2
- Water bottle ×2

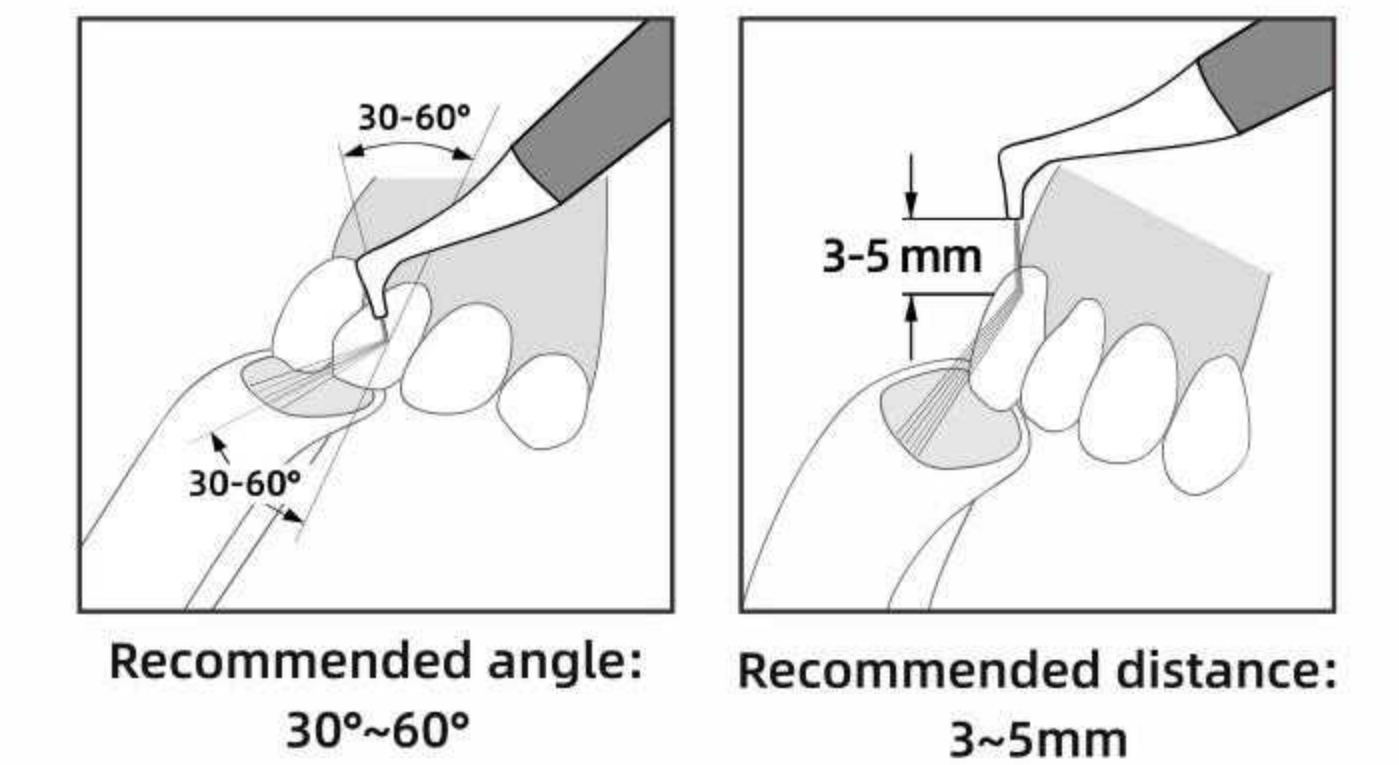


Scan for more details on website

Plaque Control

Small-caliber nozzle, more concentrated air
polishing, and more efficient plaque removal.

High concentricity of water and air path achieves a good
coating of powder by water and reduces the flying of powder.



Three-section air polishing handpiece, easier for cleaning

Lightweight handpiece
Longer service life



SUPER PRO 65µm erythritol supragingival powder

Used for the removal of supragingival biofilm, pigments and soft deposits in adults. It provides more comfortable treatment coupled with efficient scaling.

The promotion and sale of SUPER and SUPER PRO are not aimed at the following countries: France, Spain, Germany, Switzerland, Norway, Czech Republic, United Kingdom, Italy, Netherlands, Austria, Belgium, Denmark, Turkey, Sweden, Liechtenstein, Japan, and the United States.



FAST 65µm sodium bicarbonate supragingival powder

Used for rapid removal of supragingival stubborn pigments, soft deposits and biofilm in adults.



GENTLE MINI 25µm glycine subgingival powder

This product, with 25µm glycine particles, is gentle on soft tissues within periodontal pockets, gums, upper jaw, and tooth surfaces. It can be used for pediatric dental care, orthodontics, restoration maintenance, periodontal care, and implant maintenance.

AP-B

Dental Scaler and Air Polisher

Two-in-one: Ultrasonic scaling + Air polishing
Supragingival & subgingival mode
Funnel-shaped powder tank, more stable powder flow
Auto identification of scaling mode
Three-section air polishing handpiece
Small caliber nozzle
Faster and more convenient scaling due to optimized piping system and new aerodynamic design

- Main unit input: 30V 1.3A
- Output tip vibration frequency: 30±5kHz
- Output tip power: 3W ~ 20W
- Air inlet pressure: 5.5bar ~ 7.5bar (0.55MPa ~ 0.75MPa)
- Main unit weight: 2.0kg
- Main unit dimensions L×W×H: 270mm×170mm×90mm

- Main unit × 1
- Ultrasonic handpiece (HW-5L) × 1
- Tips P1x2 P3x1 P8x1 G1x1 G4x1
- Air polishing handpiece (AP-1/AP-2) × 2
- Powder tank × 2
- Prophylaxis powder × 2
- Water bottle (700ml/1500mL) × 2
- Needle × 2



Scan for more details on website



AP-A

Dental Air Polisher

Two in one: Supragingival & subgingival mode
Funnel-shaped powder tank, more stable powder flow
Three-section air polishing handpiece
Small caliber nozzle
Faster and more convenient scaling due to optimized piping system and new aerodynamic design

- Main unit input: 30V 1.3A
- Air inlet pressure: 5.5bar ~ 7.5bar (0.55MPa ~ 0.75MPa)
- Main unit weight: 2.0kg
- Main unit dimensions L×W×H: 270mm×170mm×90mm

- Main unit × 1
- Air polishing handpiece (AP-1/AP-2) × 2
- Powder tank × 2
- Prophylaxis powder × 2
- Water bottle (700ml/1500mL) × 2
- Needle × 2



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AP-H (Plus)

Dental Air Polishing Handpiece

Two-in-one: Supragingival & subgingival mode
0.7mm small caliber nozzle
Three-section air-polishing handpiece
360° rotatable and bendable subgingival nozzle
Transparent powder chamber enables easier observation of remaining powder

- Input water pressure: 0.7bar to 2.2bar (70-220kPa)
- Input air pressure: 3.5bar to 4.5bar (350-450kPa)
- Working mode: continuous operation, intermittent operation
- Weight: About 0.150kg
- Coupling: As per YY / T 0514

- Powder chamber (main unit) × 1
- Handpiece (AP-1 Plus) × 1
- Needle (long/short) × 2



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PT5

Piezoelectric Ceramics Painless Periodontal Treatment Device

- Smart ultrasensitive touching system with waterproof design
- Detachable LED handpiece with unique sealing technique delivers better visibility, surprising efficiency and longer durability
- Easy to change water

- Frequency: 28kHz~42kHz
- Vibration amplitude: 20~60um
- Tip hardness: 30HRC
- Treatment depth: 14mm

> High configuration: P50L × 2; P50R × 2; P54R × 2; P54L × 2; G4 × 2; P3 × 2; P95 × 2; E62 × 2; E60 × 2

> Standard configuration: P50L × 1; P50R × 1; P54R × 1; P54L × 1; G4 × 1; P3 × 1; P95 × 1; E62 × 1; E60 × 1



Scan for more details on website

K-Po

Cordless Prophy System

- Slim cordless handpiece: 18mm diameter of grip part, anti-slip design
- Dual control systems:
 - 1) Handpiece: Button control, 6 gears optional;
 - 2) Foot pedal: Gearless speed regulation

- High configuration:
 - Charging station × 1
 - Motor handpiece × 1
 - Outer sheath × 3
 - Disposable prophy angle × 7
 - Power adapter × 1
 - Disposable sleeve × 100



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UDS-T LED Ultrasonic Scaler

DESIGNED FOR DENTAL CARE

Ultrasonic Scaling

- Three modules: G P E
- Five functions: supragingival scaling, periodontal treatment, endodontic treatment, restoration preparation, and implant maintenance
- Offer a one-stop ultrasonic solution fitting to various clinical needs

Automatic Water Supply System

- 600mL water reservoir, plug and play
- Knob adjustment can accurately control water flow
- Clear scales for easy monitoring of water usage
(Note: Can hold distilled water and 5% sodium hypochlorite solution; rinse the tubing after using medical solution.)

Intelligent Degenerative Feedback

- Automatically adjusts the power output based on the hardness of dental calculus
- Achieve a consistently stable scaling

Wide-Frequency Control Technology

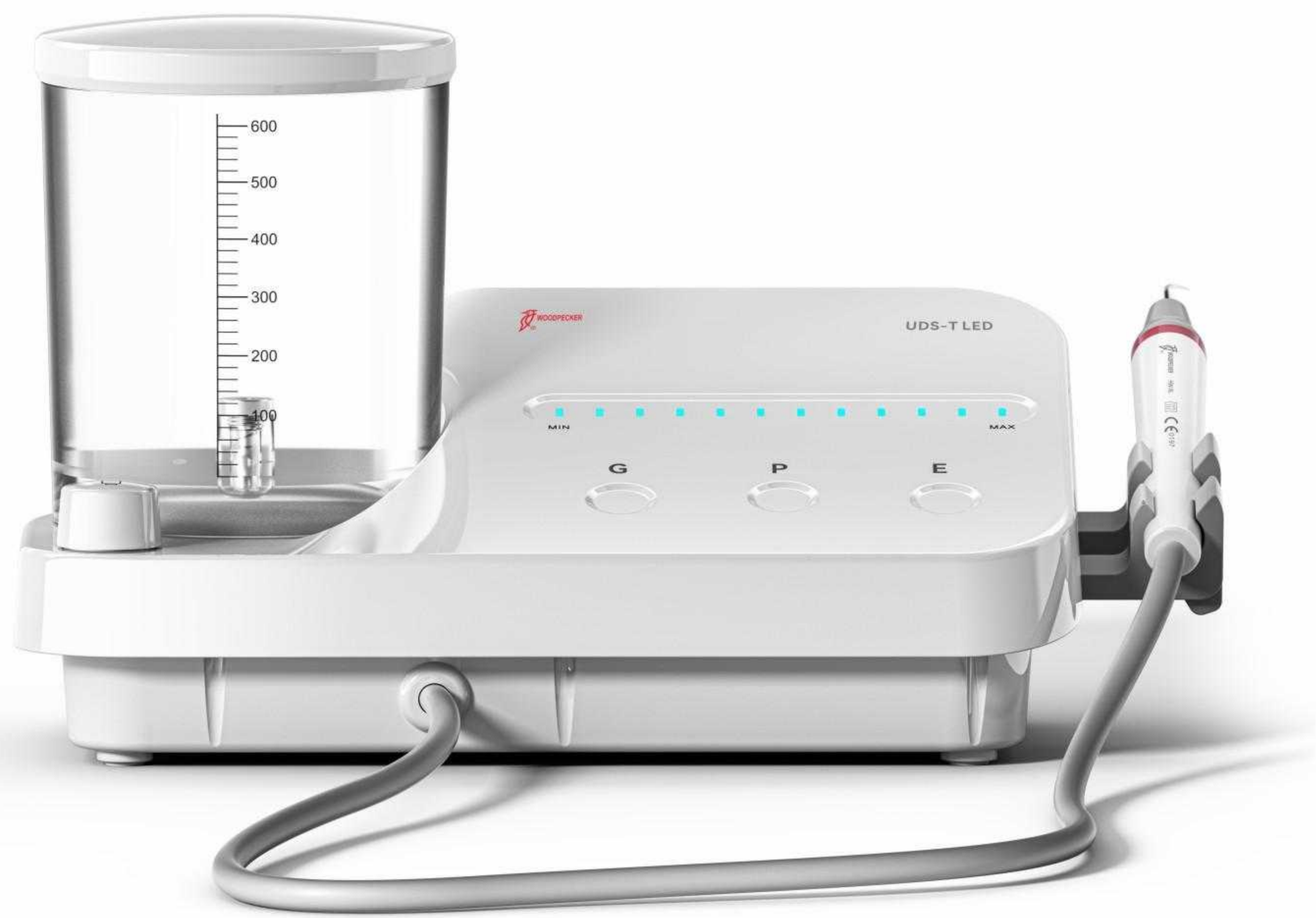
- Compatible with both titanium and stainless steel tips 1–200um vibration amplitude Scientifically designed for comfort and efficiency

Ultrasonic Scaling

- Handpiece with LED for better visibility
- No need for frequent adjustments to the dental chair light, delivering more convenient operation
- Can be autoclaved thanks to the unique sealing technique, preventing cross-infection

Advanced US chip

- High-quality chip guarantees smooth program running
- Enable quick response and stable output
- Bring an enhanced clinical treatment experience



Intelligent Touching System

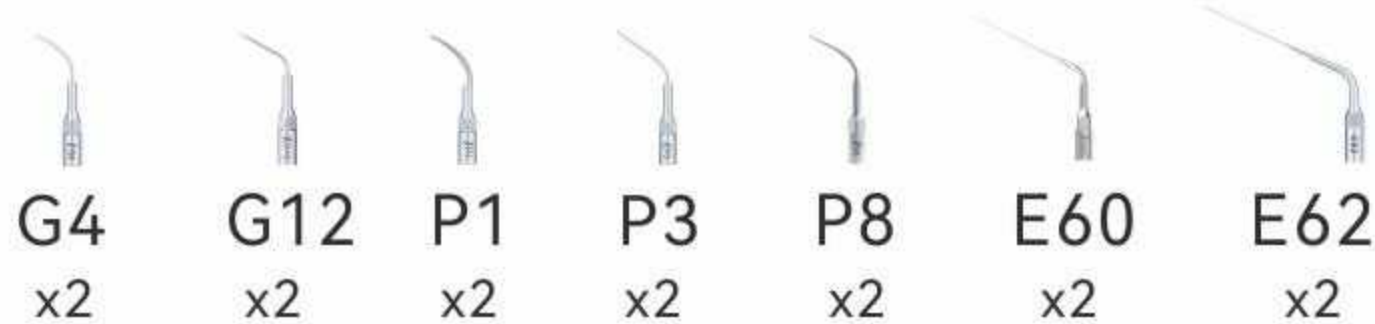
- 12-level power adjustment for precise control
- Ultra-sensitive touch panel with waterproof design
- Seamless operation regardless of film, gloved hands, or water presence

U600 LED Ultrasonic Scaler

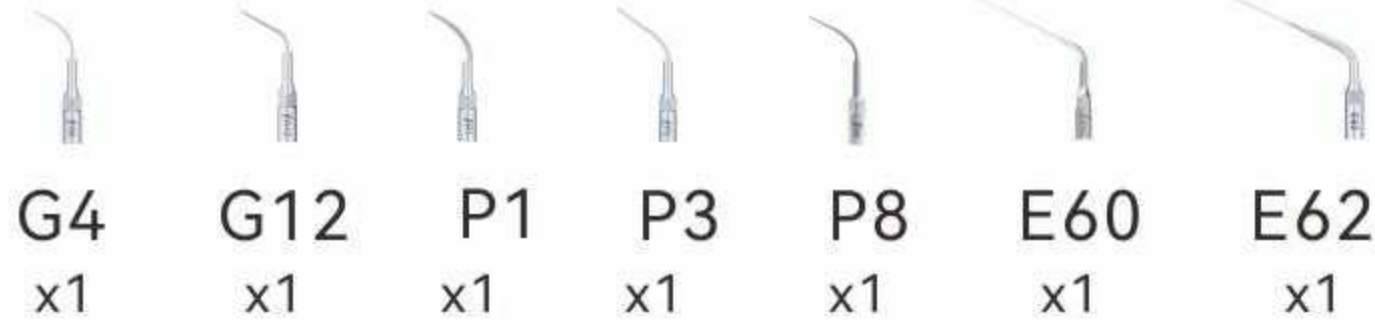
Supragingival & subgingival scaling+ endodontic treatment+ implant maintenance+ cavity preparation+ endodontic irrigation.
Sina-wave power output guarantees comfortable treatment.
High-quality handpiece: Autoclavable aluminum shell, less prone to cracking or deformation.
Latest sealing technique enables long durability.
User-friendly design brings better hand feeling.
Automatic water supply system, easy to change water.

Main unit input: 220-240V~ 50Hz/60Hz 150mA
Water pressure: 0.01MPa - 0.5MPa
Frequency: 28kHz±3kHz
Output power: 3W to 20W
Water pressure: 0.01MPa to 0.5MPa
Main unit weight: 1.8kg

High configuration



Standard configuration



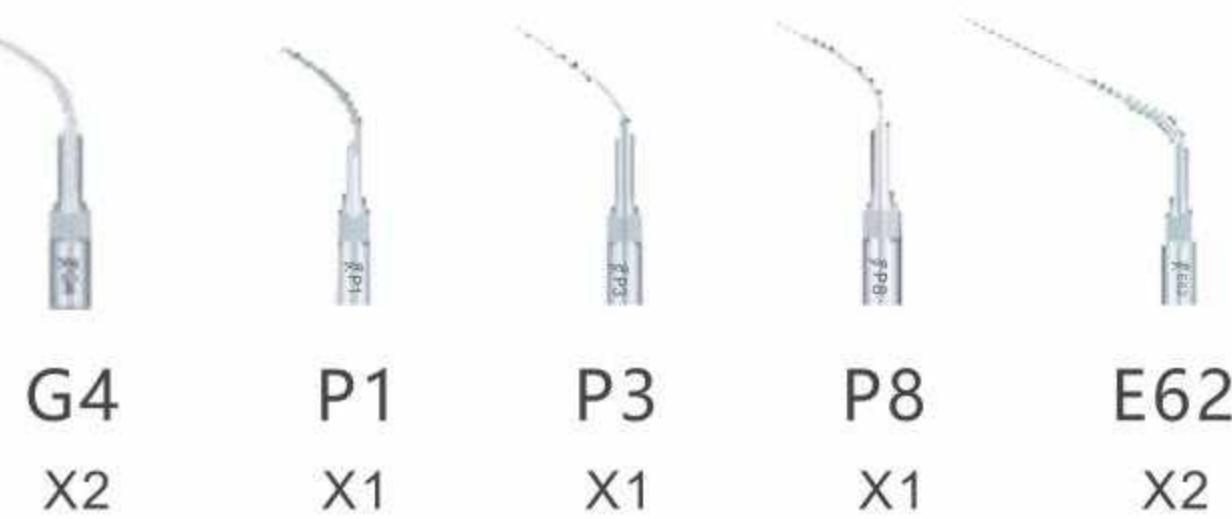
Scan for more details on website



U6 LED Ultrasonic Scaler

Expert in comfortable scaling
Integrate supragingival scaling, subgingival scaling and endodontic treatment into a whole
Microcomputer control and automatic frequency tracking enable more stable performance
Intelligent degenerative system enhances professional operation
Smart touching system makes it easier to operate

Main unit input: 24V ~ 50Hz/60Hz 1.3A
Water pressure: 0.01MPa-0.5MPa
Frequency: 28kHz ± 3kHz
Main unit weight: 0.628kg
Dimensions:175mmx144mmx 77mm



Scan for more details on website





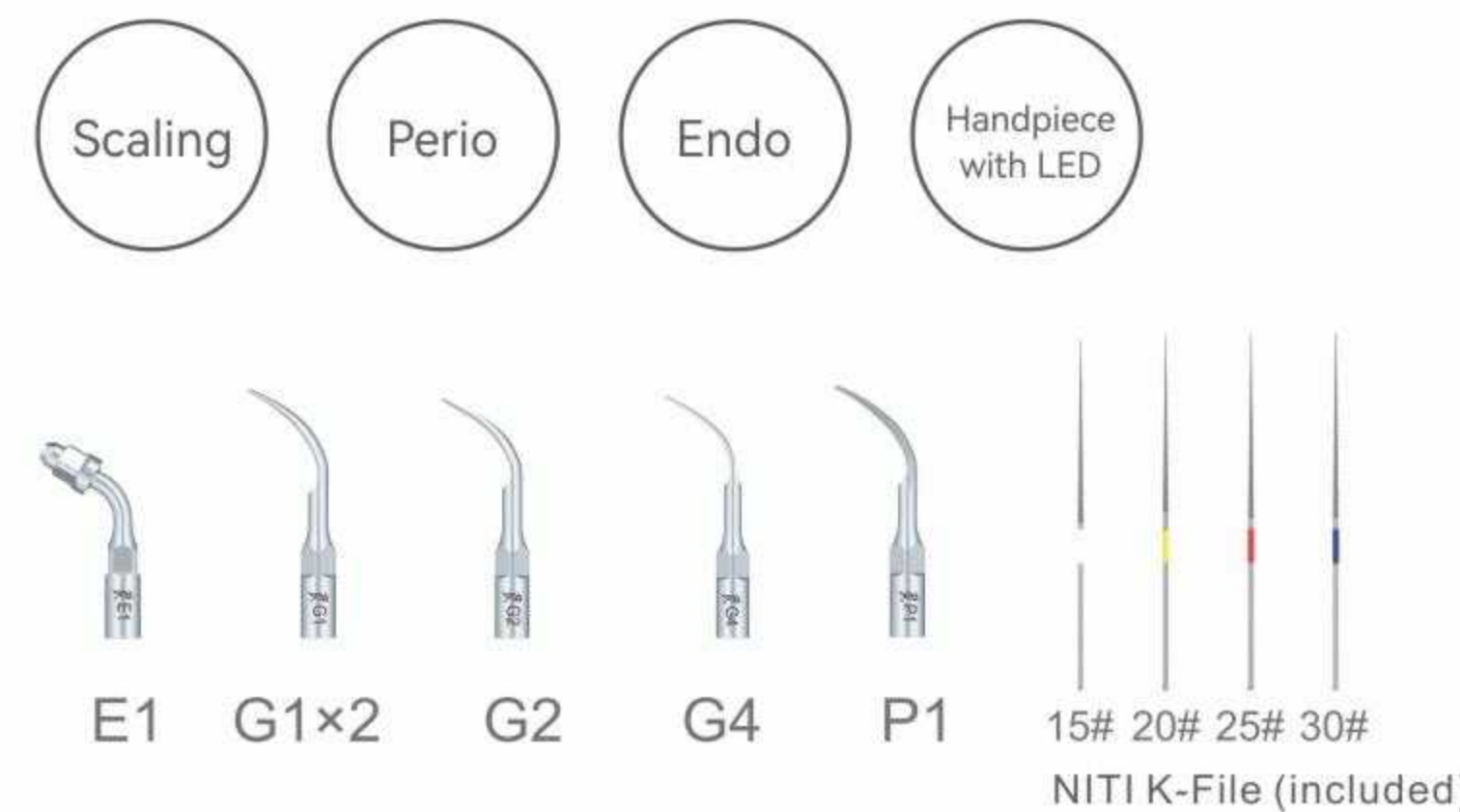
UDS-E LED



UDS-K LED



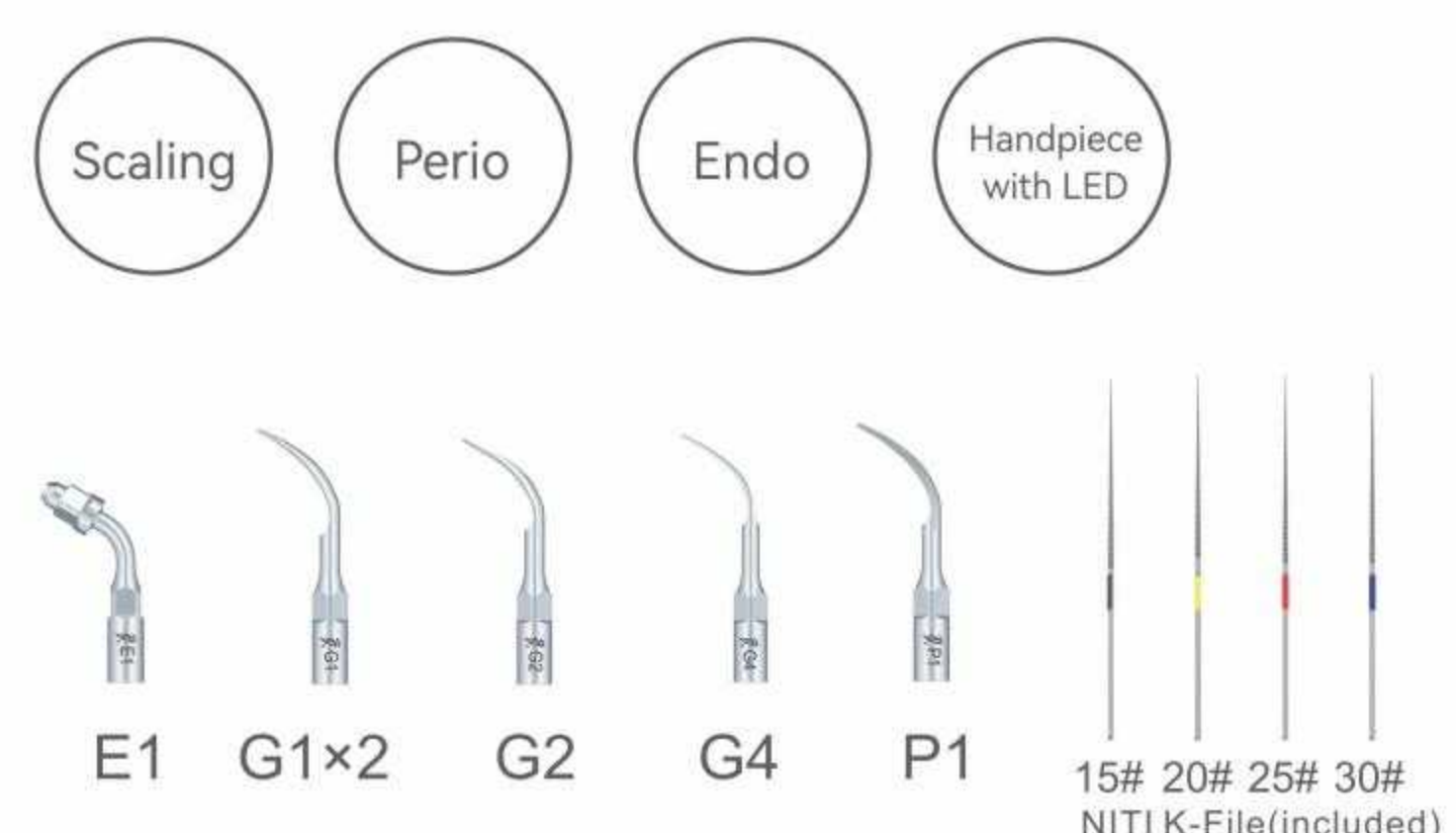
UDS-P LED



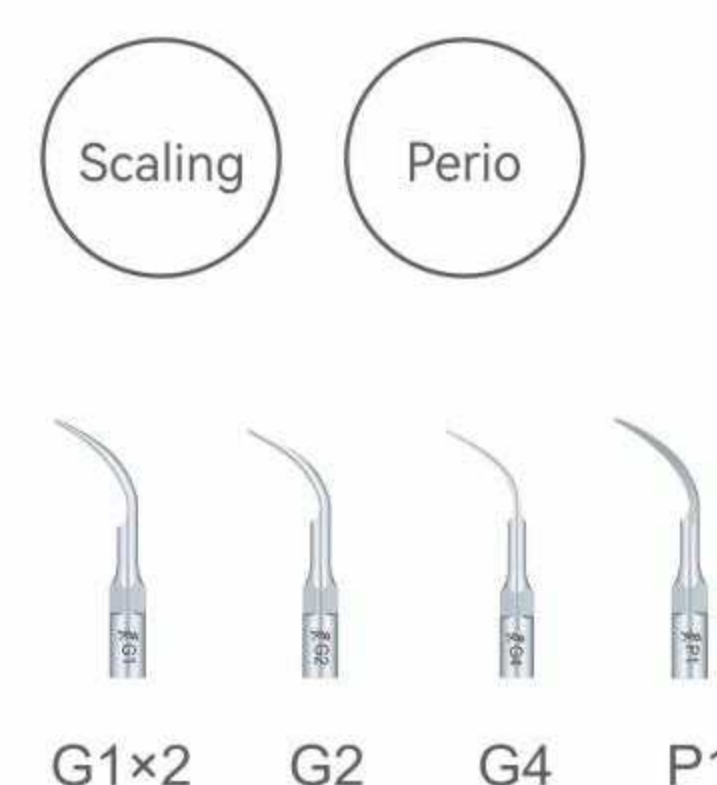
UDS-J (NO CE)



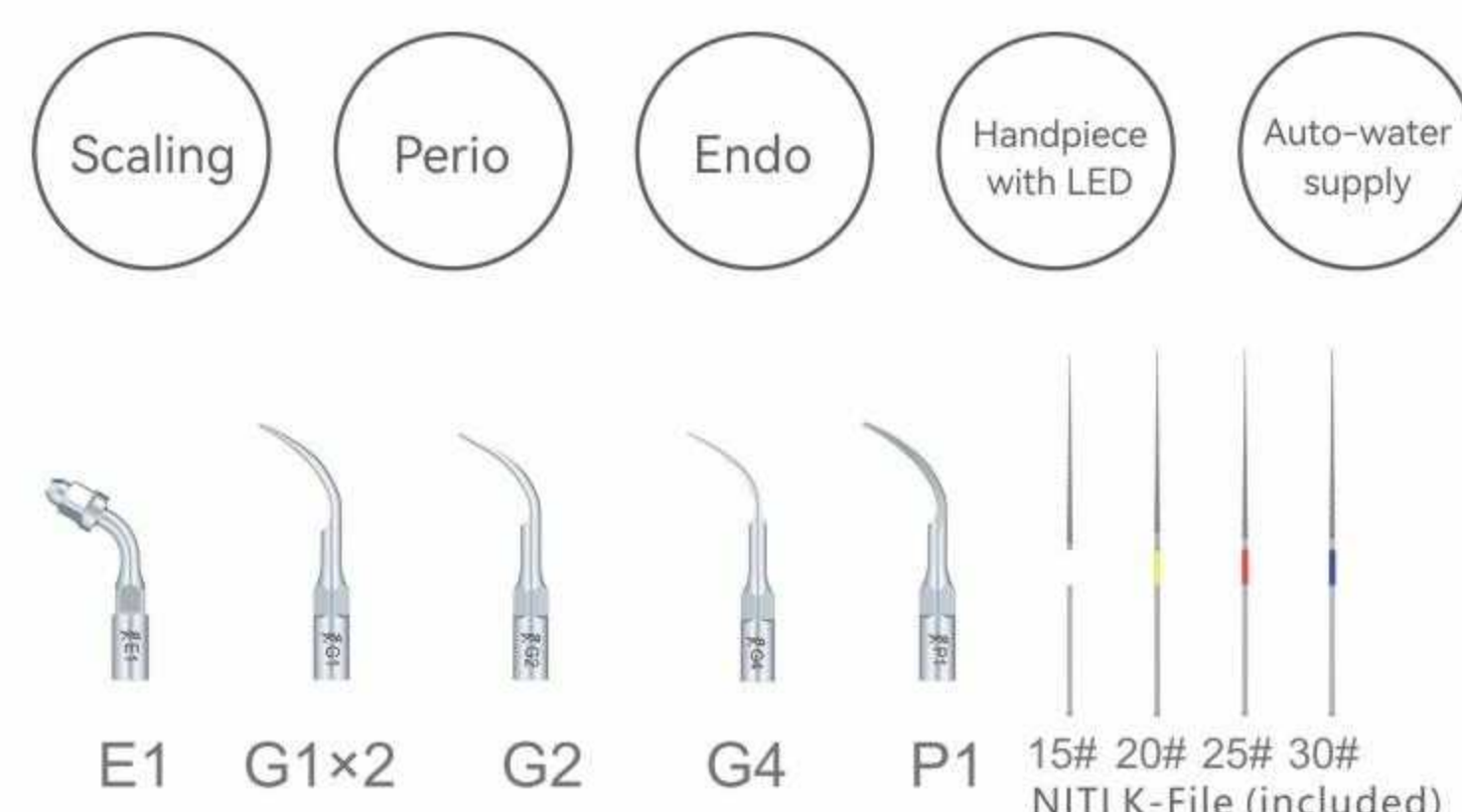
UDS-A LED



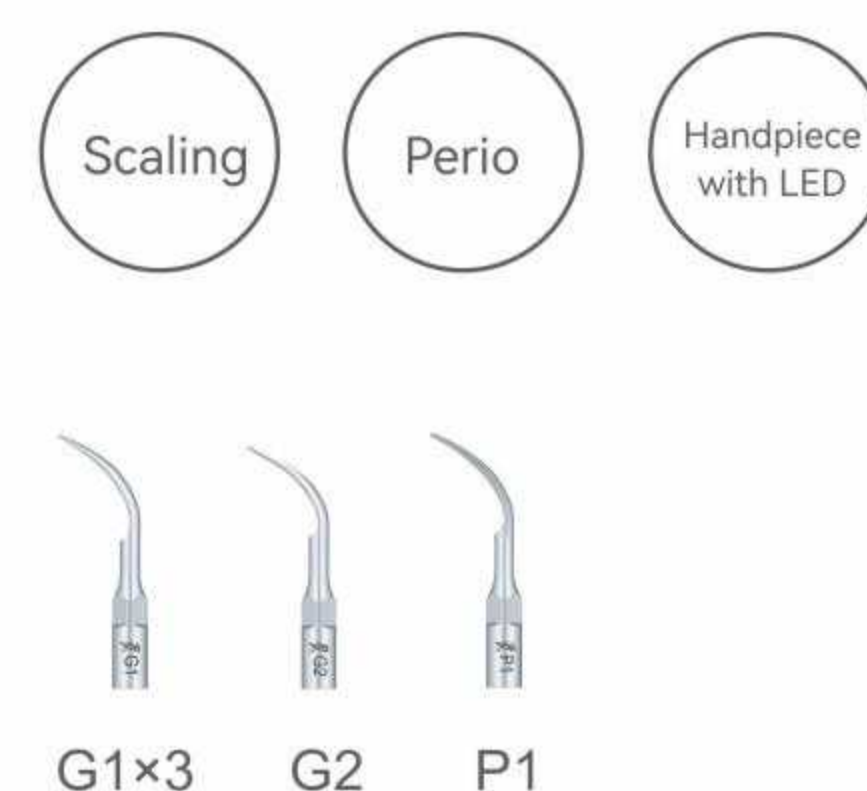
UDS-B



UDS-L LED



UDS-J2 LED



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Faster More stable Clearer

Ai Ray

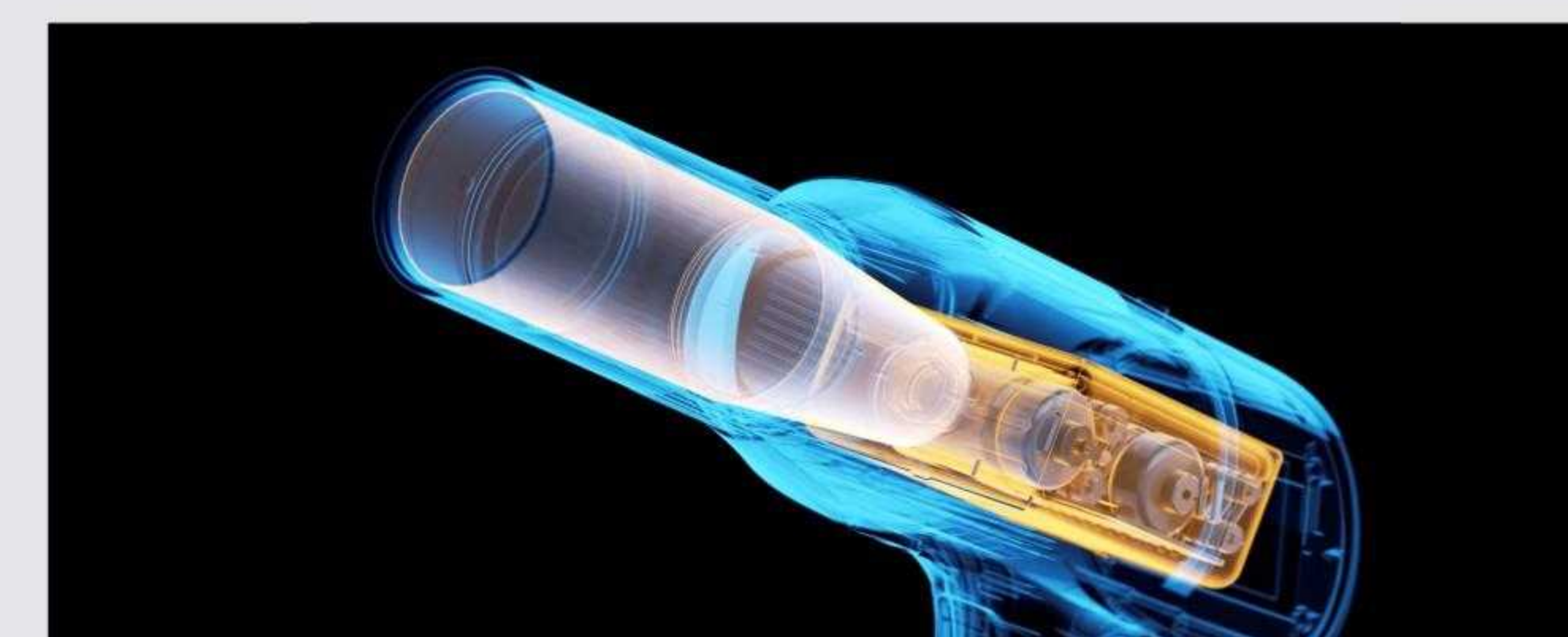
Dental X-Ray Device

Types of radiation: X-ray
 Tube voltage: 70kV
 Tube current: 3mA
 Exposure time range: 0.02s ~2s
 Focal spot: 0.4mm
 Target angle: 12.5°
 Battery capacity: 15000mAh
 Dimension: 114mm×363.8mm×245.6mm
 Weight: 2.4KG

Connection cable of exposure handbrake*1
 Exposure handbrake*1
 Lanyard*1

High-frequency DC High Voltage Generator

Tube voltage	Tube current	Emission power up to
70kV	3mA	210W



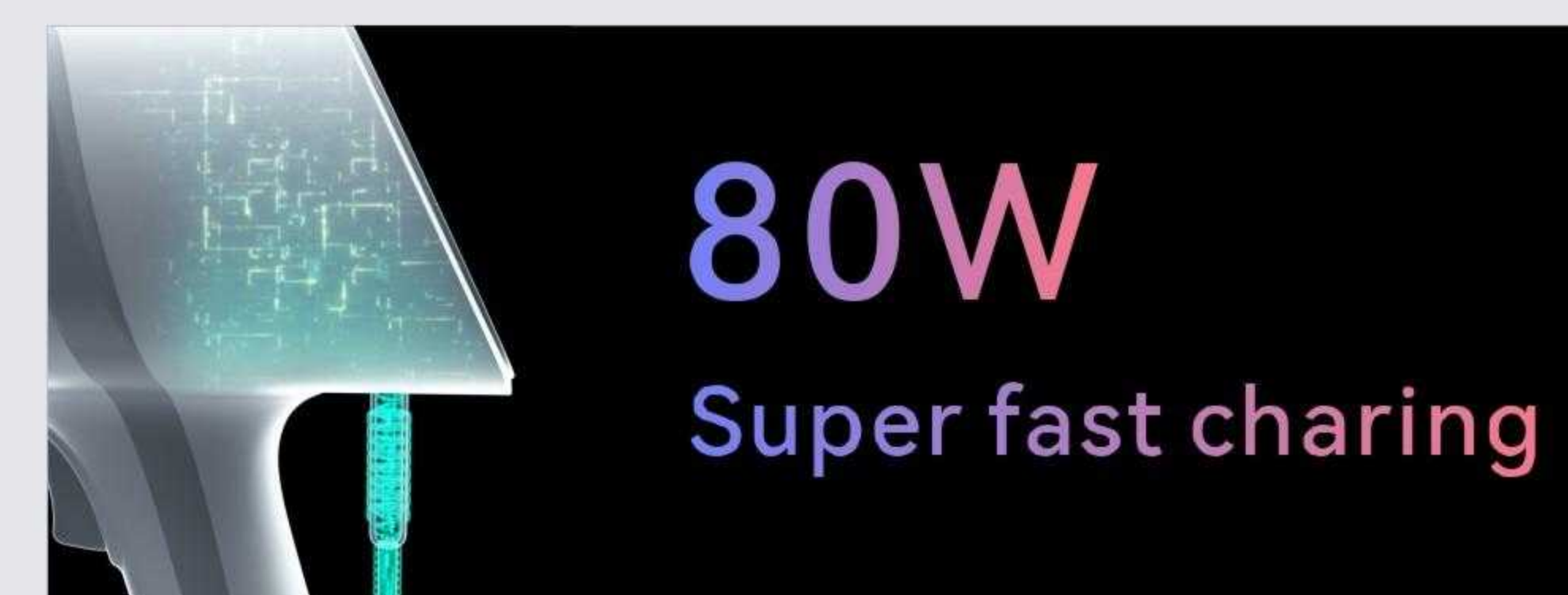
High-capacity battery Longer endurance

More than
1500
 dental films can be taken under a full charge



80W
 Super fast charging

Over 110 dental films can be taken after 5mins of charging



Master Ray

Compact Lightweight Powerful

Japan Canon High-Frequency X-Ray Tube

Innovative technology safeguards x-ray output

Maximum Performance, Effortless Shooting

140W (70kV 2mA) ultra-high emission power

Efficient shooting, less exposure time, avoiding multi-images caused by unsteady shooting

Advanced USA chips

Advanced USA chip enables high-frequency closed-loop control for stable output

2500mAh×3s high-capacity lithium battery for longer endurance

500+ shots on a full charge

48W fast charging; 1h fast full charge

Comprehensive Protection, Maximum Safety

Oil tank and beam limiter use 99.9% pure lead shielding to maximize the protection against radiation leakage

The distance from the focus to the end face of beam limiter is 20cm

The radiation leakage from the body surface is $\leq 0.05\text{mGy/h}$

Equipped with a 3.5-inch IPS capacitive touch screen

Types of radiation: X-ray

Tube voltage: 70kV

Tube current: 2mA

Exposure time range: 0.02-2s

Focal spot: 0.4mm

Target angle: 12.5°

Battery capacity: 2500mAh

Dimension: 240mmx 161mmx 143mm

Weight: 2.1KG



Mini Ray

Power Meets Clarity

Parameters:

Tube voltage: 70kV

Tube current: 2mA

DC high frequency

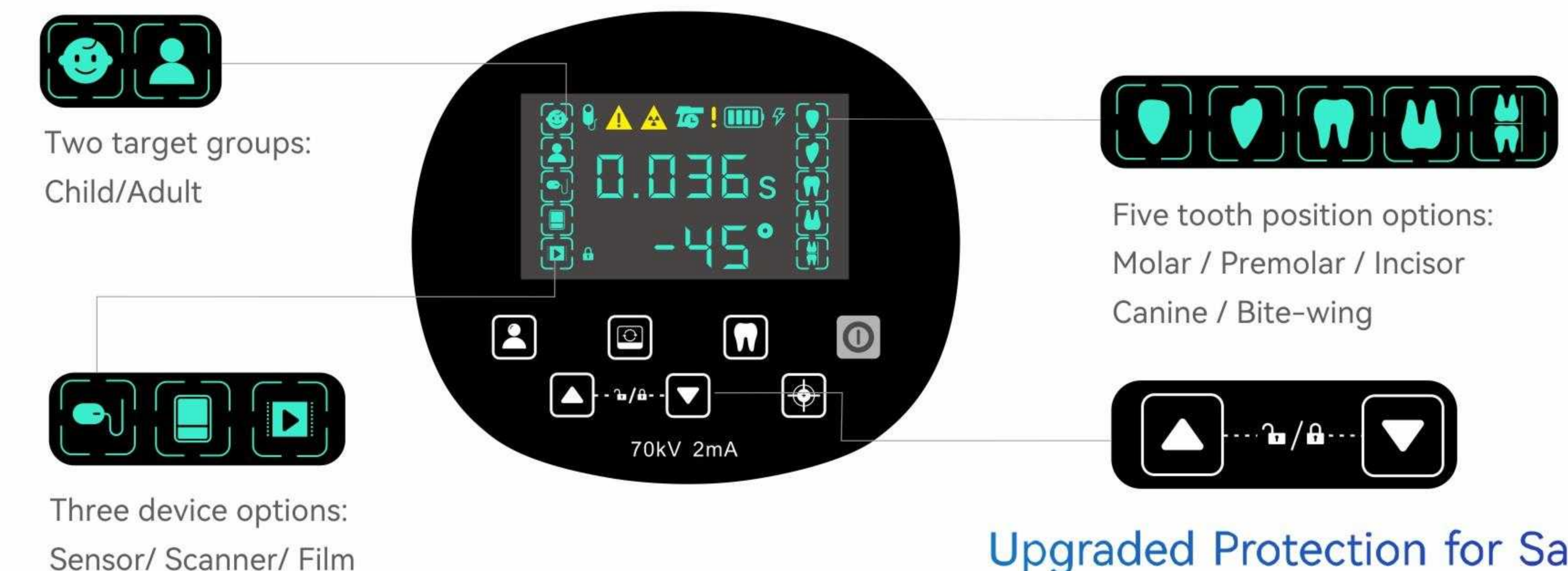
Battery capacity: 2500mAh*3S

Size/length, width and height mm: 338*112*247

Weight: 2.2Kg



5+3+2, Fitting to Diverse Shooting Needs with Ease



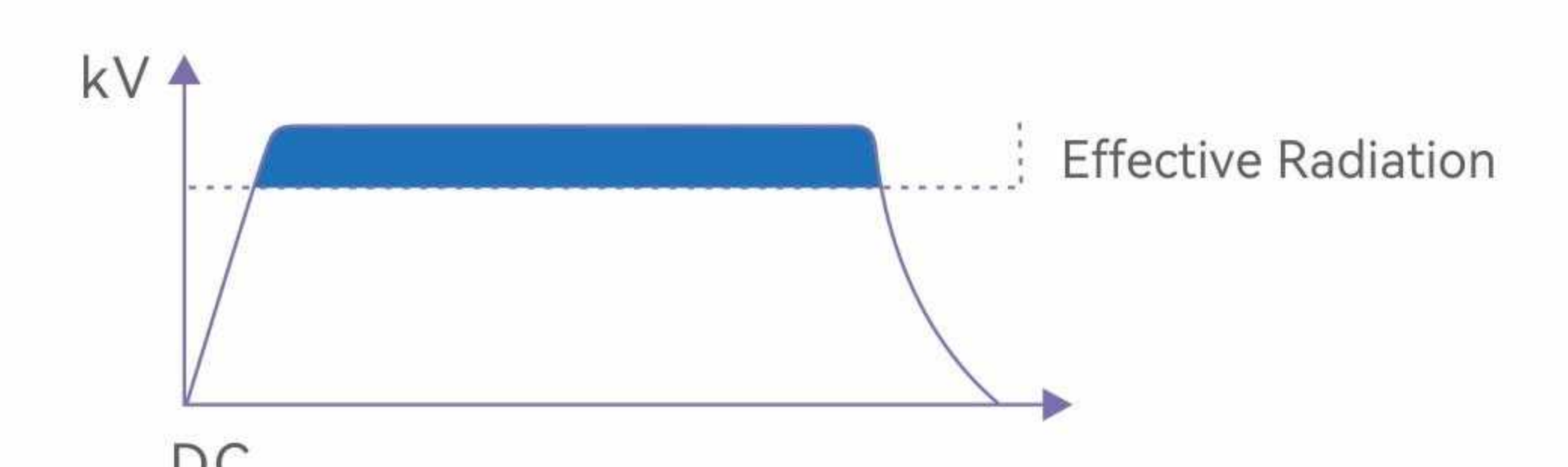
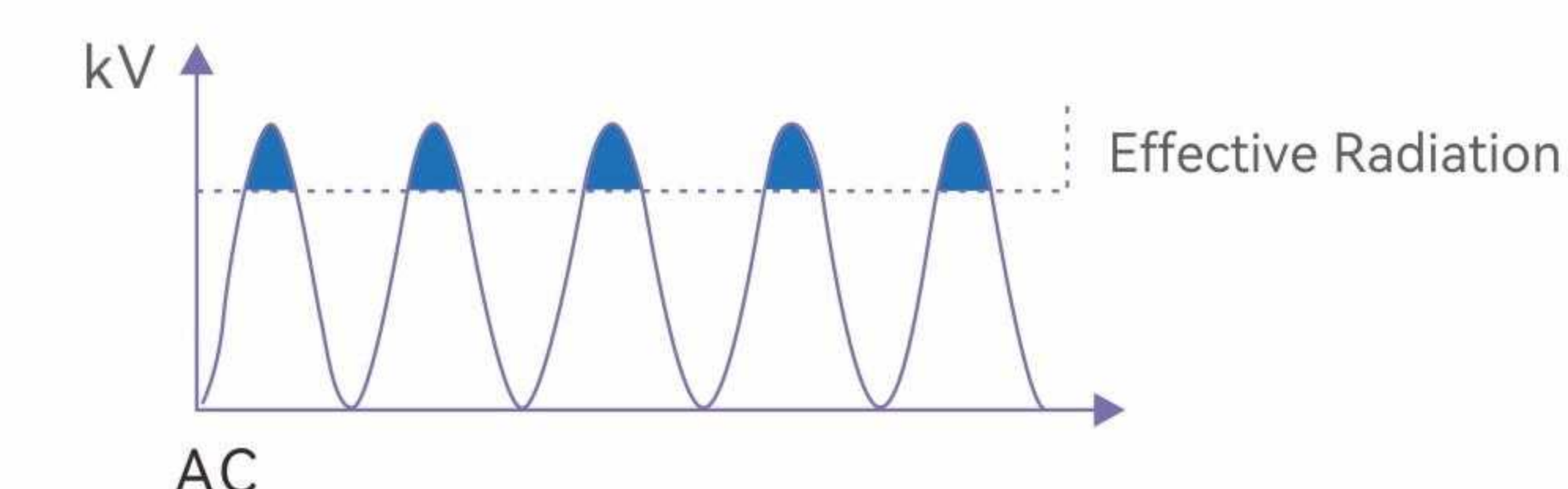
Upgraded Protection for Safer Use

Fast screen lock to prevent false touch,
effectively preventing accidental radiation exposure
High-pressure and high-temperature protection
mechanisms with automatic cancellation of exposure
commands when risks are detected

Embracing a new, high-energy era

In comparison to traditional Power Frequency AC machine

the Mini Ray is a High Frequency DC machine with superior performance and produces more stable X-rays.





i-Sensor

Clearer & More durable

Type	i-Sensor H1	i-Sensor H1.5	i-Sensor H2
Mechanical Size	25.03*38.53*4.5	29.2 * 43.5* 4.5	31.62*45.0*4.5
Detector Technology	APS CMOS	APS CMOS	APS CMOS
Scintillator	Csl	Csl	Csl
Pixel Matrix	1000*1 500	1200×1650	1300*1800
Theoretical Resolution	25lp/mm	25lp/mm	25lp/ mm
Active Area	20*30	24*33	26*36
AD Conversion(bit)	16	16	16
Data Interface	USB 2.0	USB2.0	USB 2.0
Protection	IP68	IP68	IP68



Scan for more details on website

High resolution imaging 25 lp/mm theoretical resolution

With the leading 16-bit ADC chip, bringing you up to 60000+ gray scale.

High-definition sensor up to 2.2 million pixels, more details, better picture quality with a theoretical resolution of 25 lp/mm, bringing a high level of clarity and detail to your digital radiography.

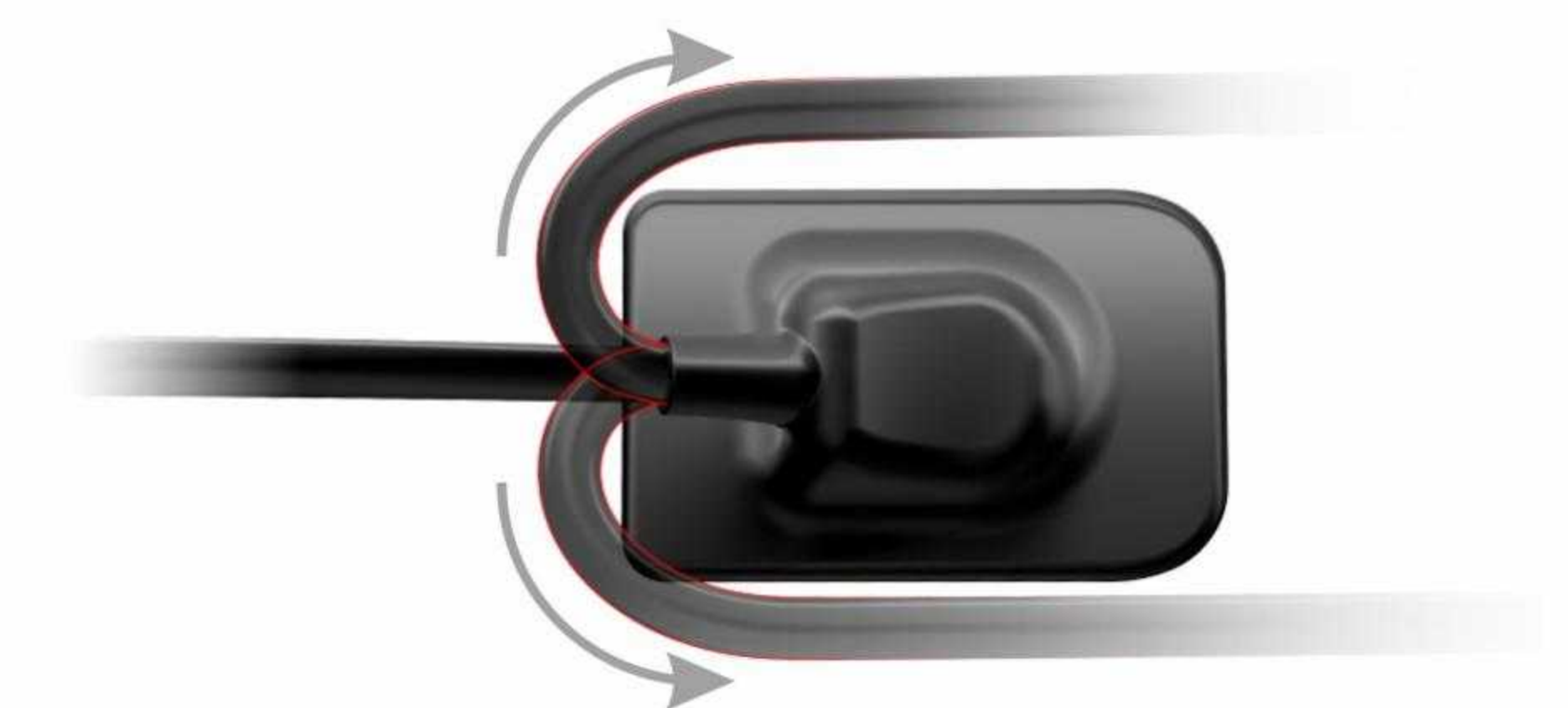
Clearer image effect, so that subtle root apex bifurcation can be easily found.



Durable and Reliable 80000+ bending test

i-Sensor is designed to prevent any kind of damages in its everyday use.

Based on actual usage and tens of thousands of bending experiments, the product is durable.



Robust CNC shell fusion ultrasonic welding technology brings ultra-light weight experience and IP68 protection. The sensor can be immersed in disinfectant liquid to avoid cross infection.



4.5mm thinnest sensor

With ergonomically optimized Cut-Corners and 4.5mm thickness, the i-Sensor makes sensor placement easier than ever(plus, the thinner sensor specifically allows for better bitewing radiographs and simplified vertical bitewing acquisition.)



i-Scan

Wireless Imaging Plate Scanner



Powerful processing capability

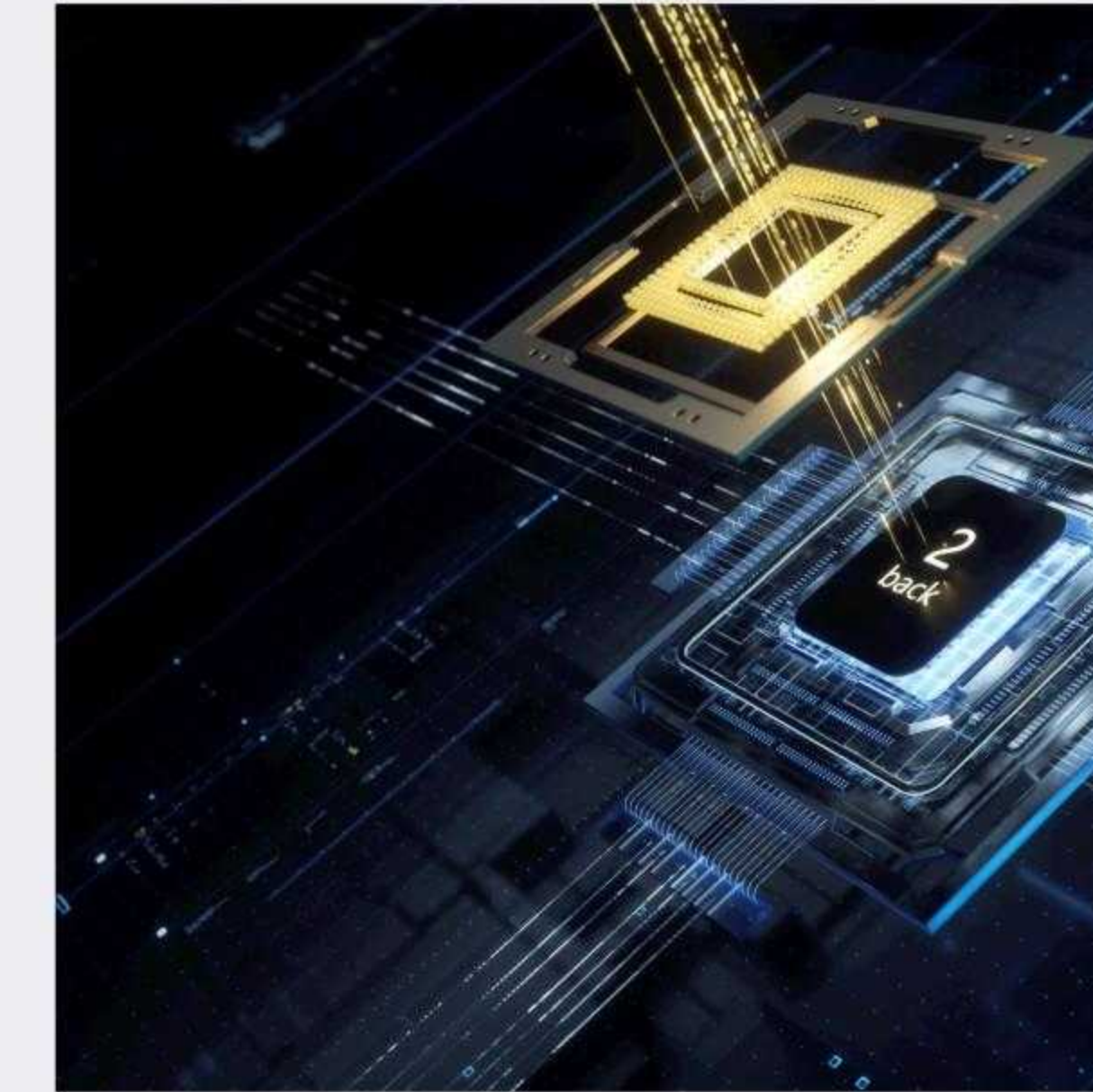
8-core CPU (containing 4 Arm Cortex-A53s, 1 Arm Cortex-M4F, 1 GPU, 1 VPU, and 1 FPU) developed with 14nm LPC FinFET advanced process technology, and FPGA used as a coprocessor, bring a smoother image processing experience thanks to more powerful processing capability.

- Power adapter output: DC 30V 3A
- Threshold contrast: 4 holes of 1.0 mm, 1.5 mm, 2.0 mm and 2.5 mm can all be distinguished.
- Image uniformity: <2%
- Specifications and dimensions: 138*245.5*290.2mm
- Weight: 4.5KG

- Main unit*1
- Power adapter*1
- Storage box of IP imaging plate*1
- U disk*1

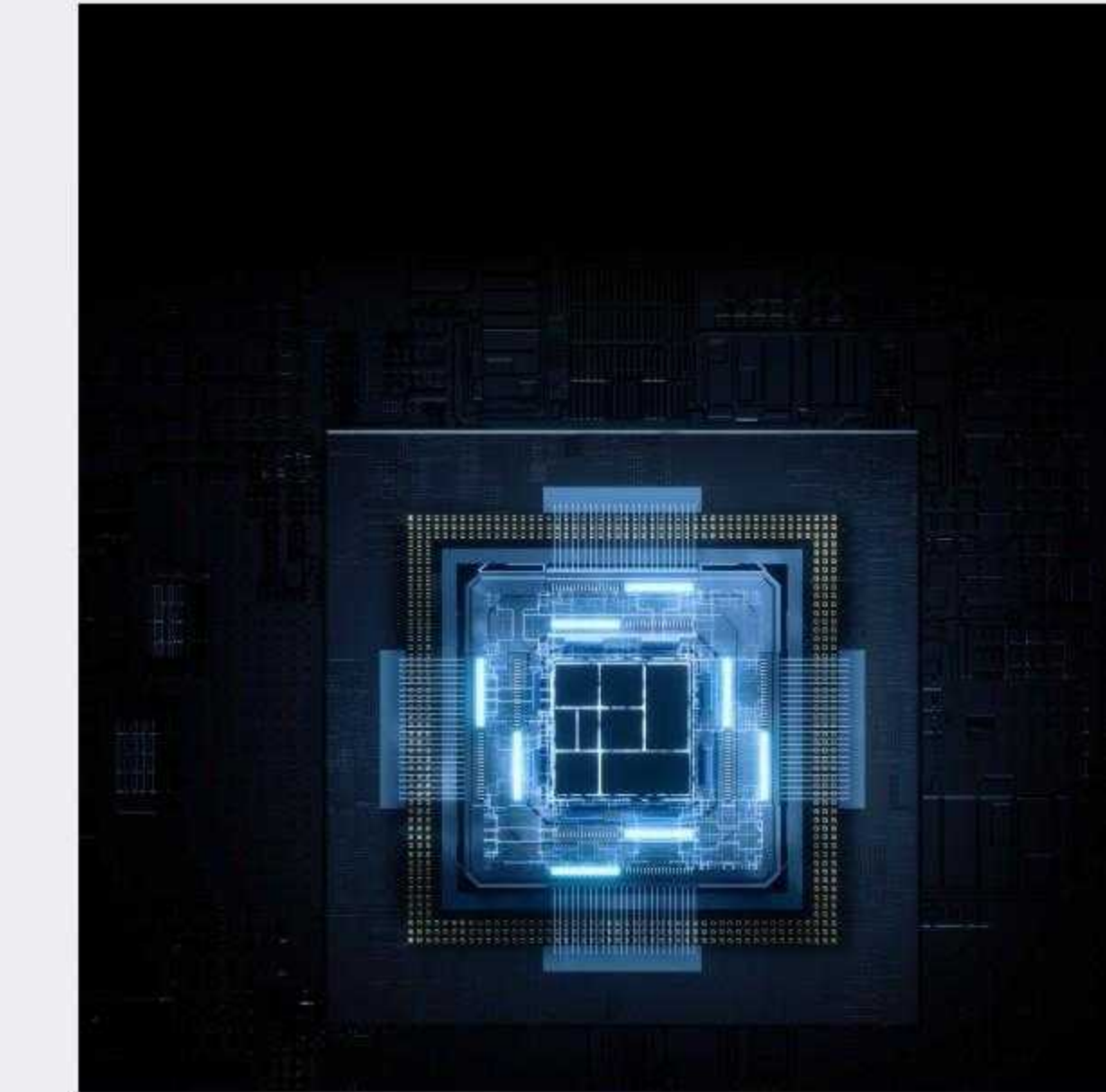


Scan for more details on website



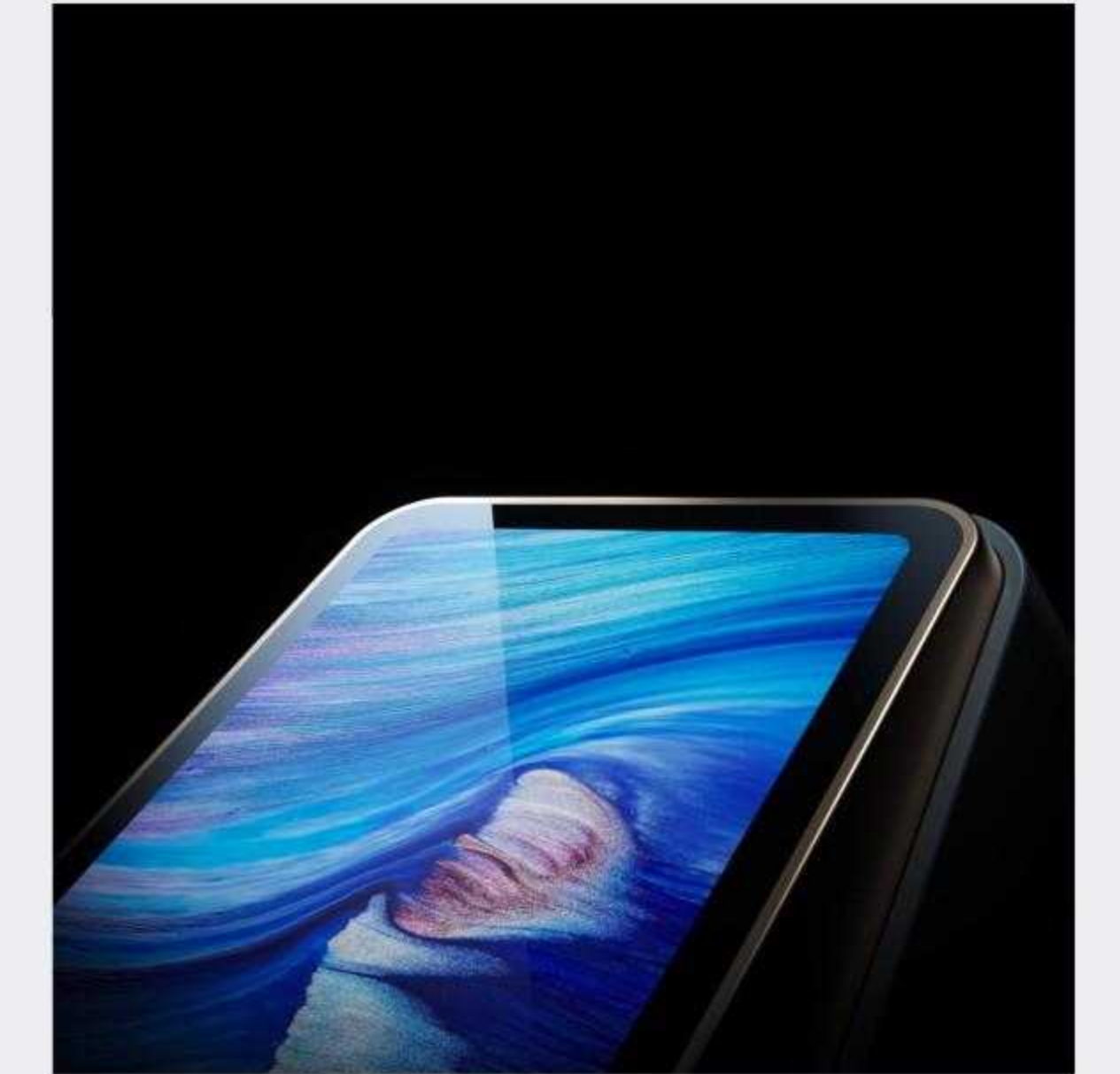
Powerful algorithm

- One-click ultra-clear algorithm
- Multi-level structure image algorithm framework enhances the details of super-resolution images.



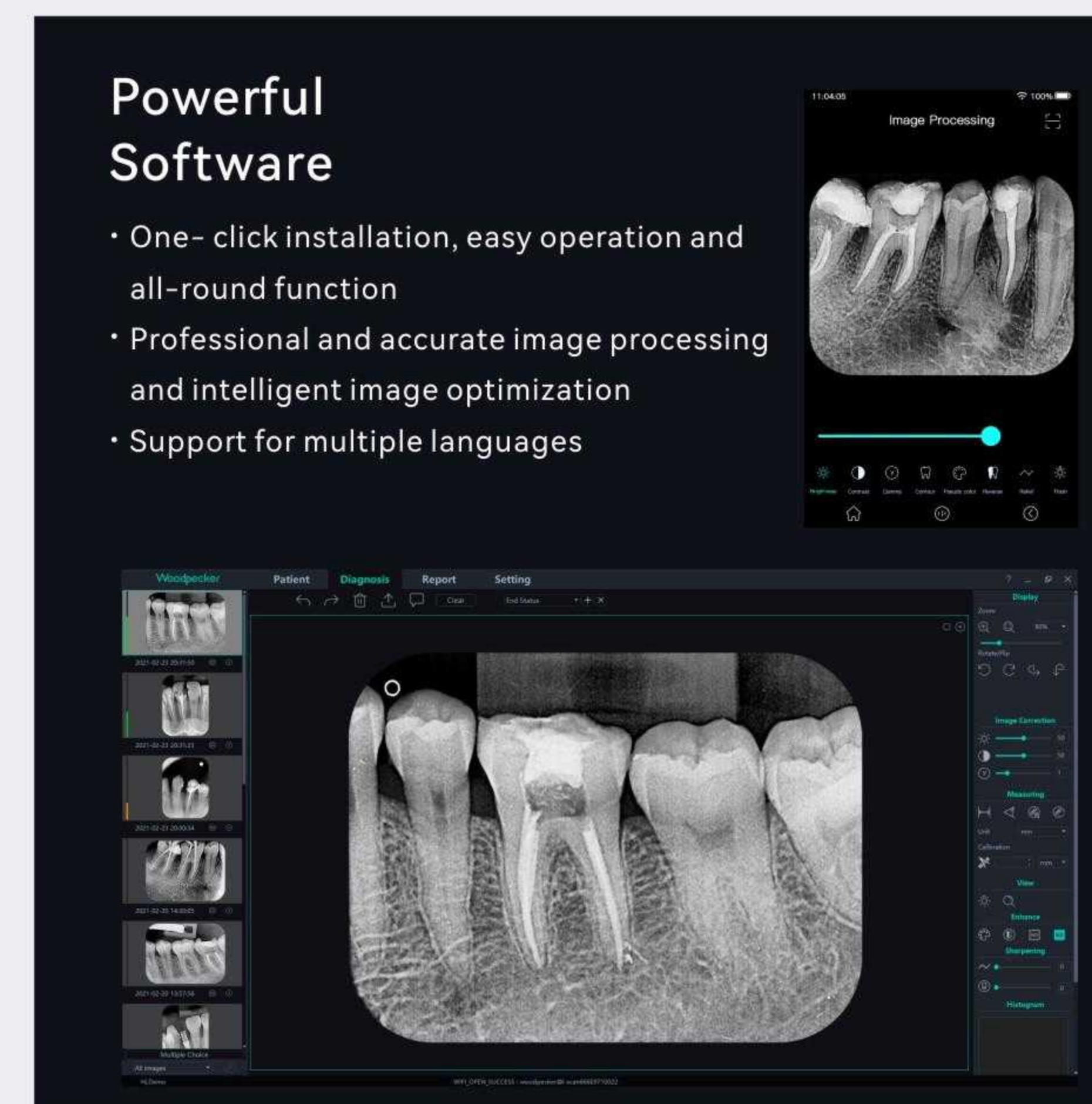
Ultra-high performance

- 8-core CPU developed with 14nm advanced LPC FinFET process technology
- FPGA used as a coprocessor
- Over 100 million data acquired per dental film
- Bring a smoother image processing experience



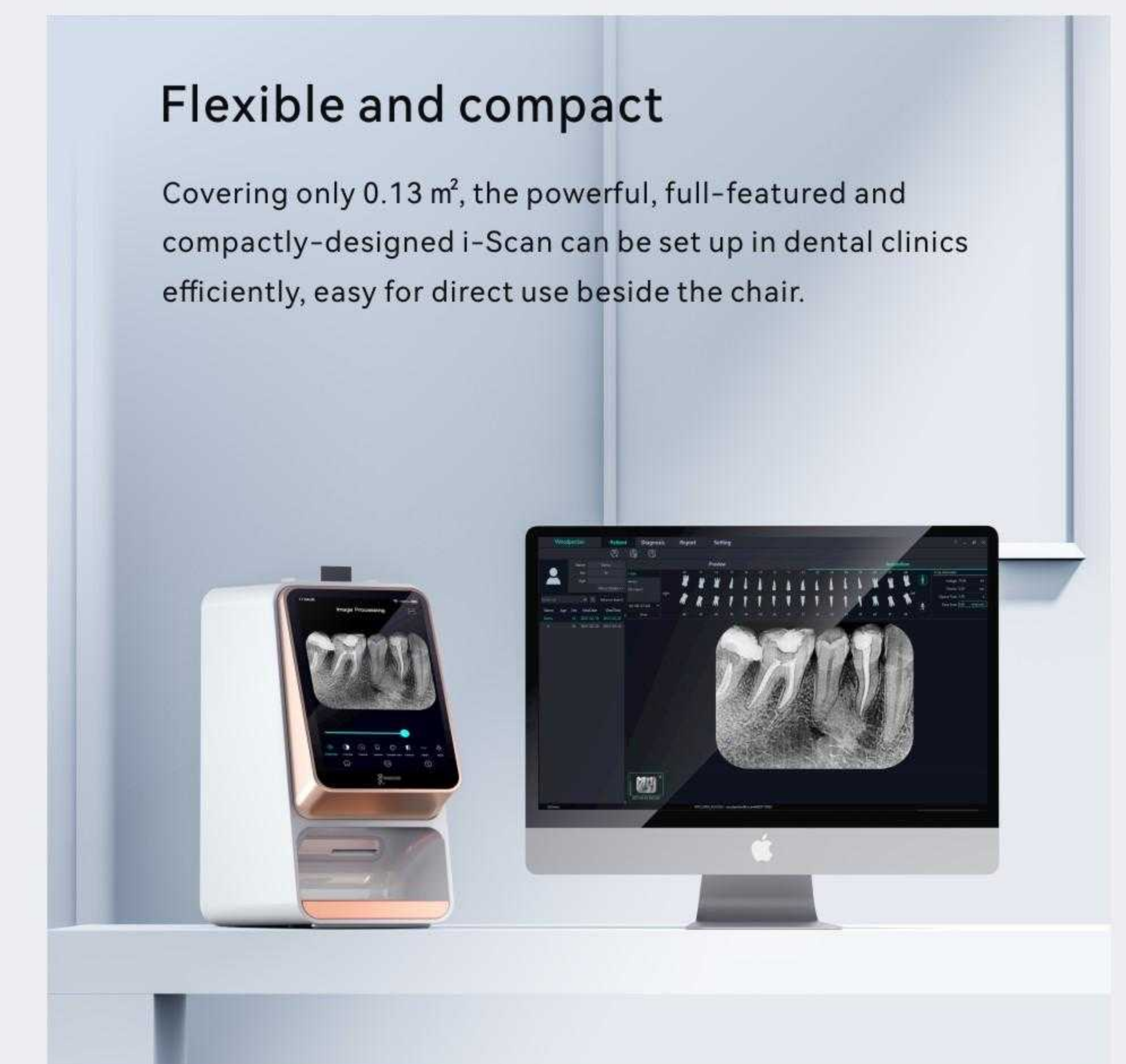
Scan and see

- 7-inch 800*1280 ultra-high resolution capacitive touch screen
- Realize the analysis of images with clear details on the i-Scan and computer, ensuring the reliable diagnosis basis for dentists.



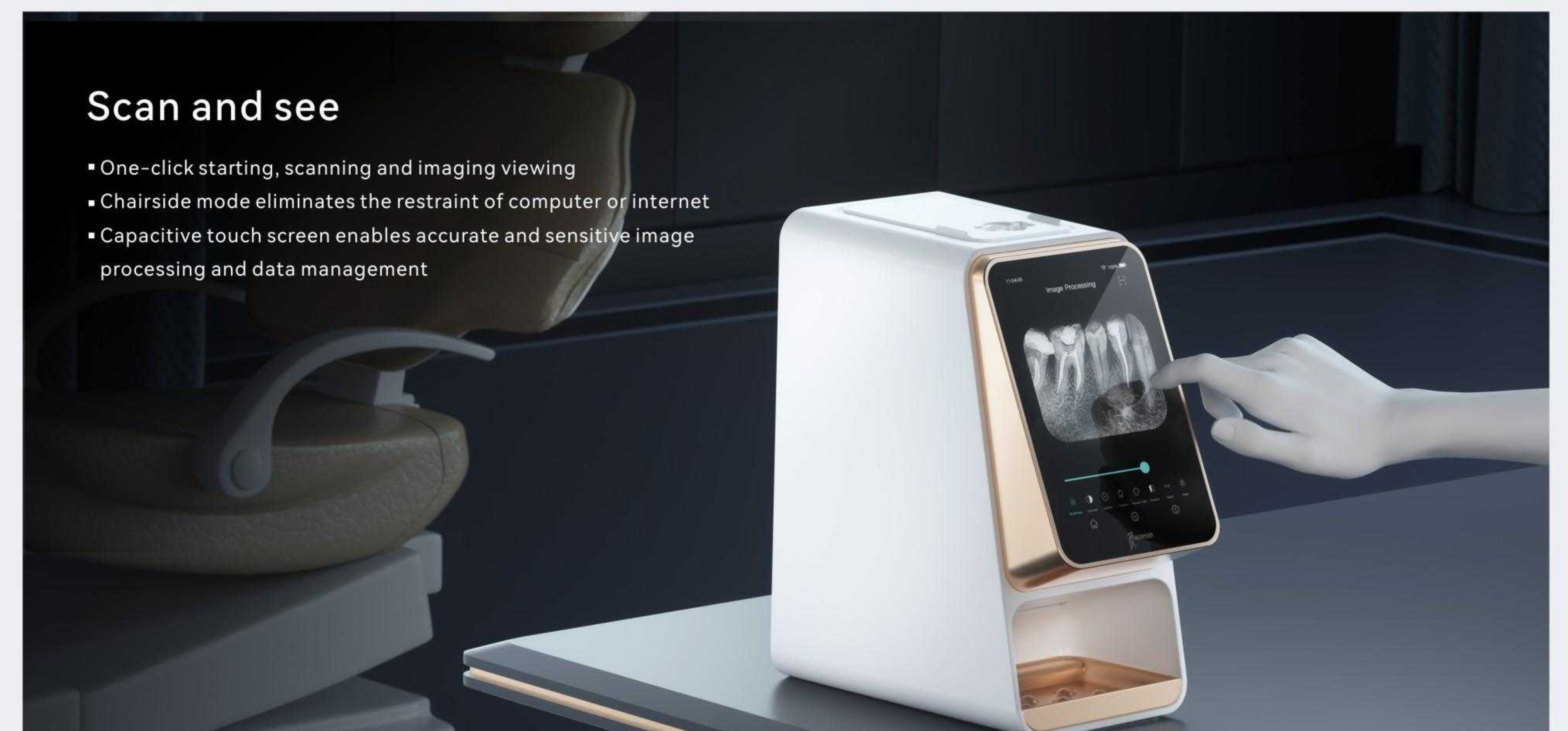
Powerful Software

- One-click installation, easy operation and all-round function
- Professional and accurate image processing and intelligent image optimization
- Support for multiple languages



Flexible and compact

Covering only 0.13 m², the powerful, full-featured and compactly-designed i-Scan can be set up in dental clinics efficiently, easy for direct use beside the chair.



Scan and see

- One-click starting, scanning and imaging viewing
- Chairside mode eliminates the restraint of computer or internet
- Capacitive touch screen enables accurate and sensitive image processing and data management

Free Scan Imaging Plate Scanner

Bringing you a fully-controlled
and intelligent image viewing experience

Specifications

	Theoretical resolution: 17lp/mm
Imaging plate sizes:0;1;2;3	Connection mode: USB
Grayscale: 65536 levels (16Bit)	Working mode: Online mode

Remarkable imaging sharpens each detail

25um scanning accuracy
17LP/mm+ 65535 grayscale detail recognition ability
Clear details and image processing make diagnosis and treatment more effective

Easy to operate

One-button start for scanning
120-second autolock to keep data safe

Advanced algorithm leads to intelligence

Multi-layered structural image algorithm framework enhances the details of super-resolution images
Multi-mode processing algorithm to meet the image viewing habits of different doctors

Powerful chip intelligent scanning

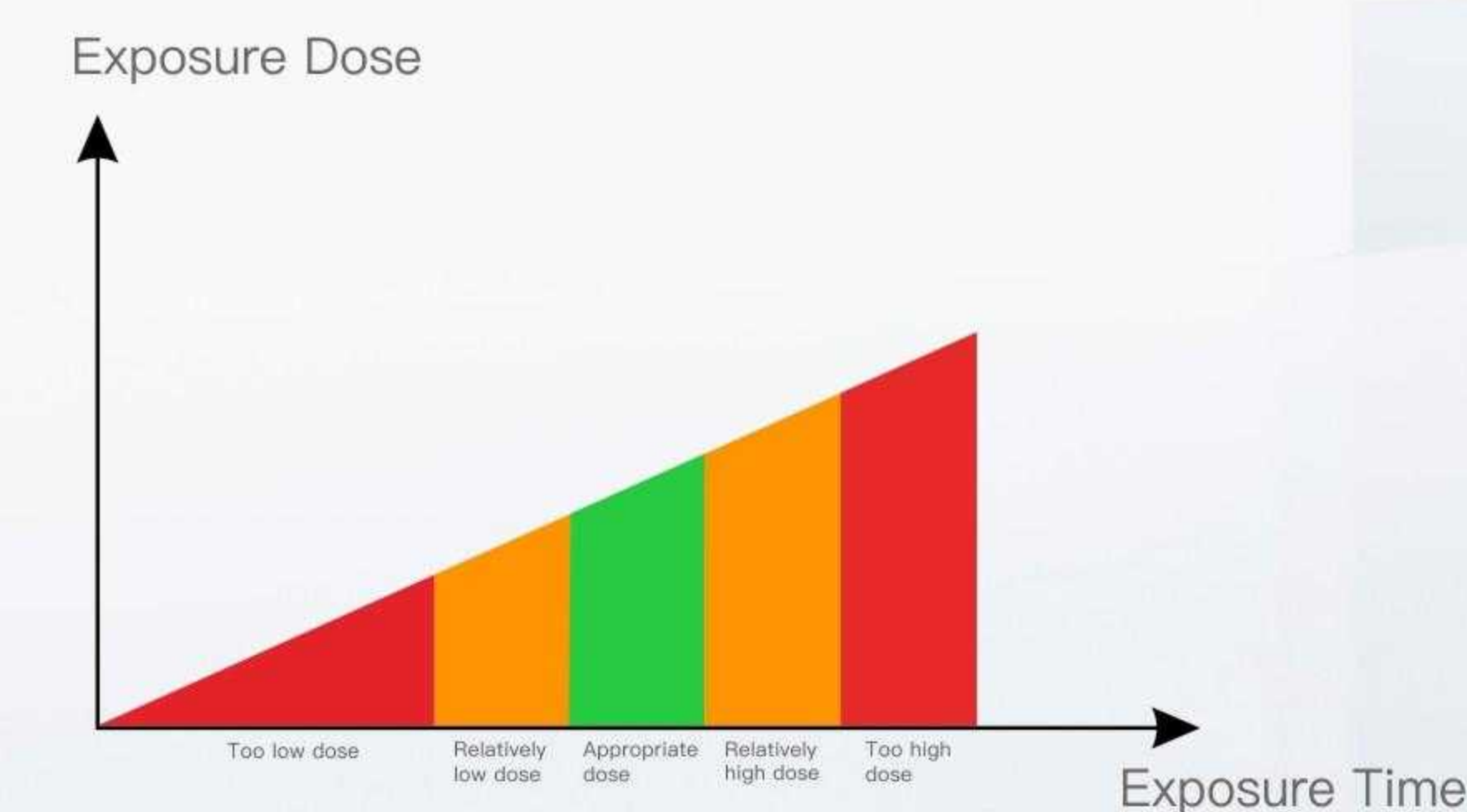
FPGA chip accelerates data acquisition
Support image viewing on mobile phones, tablets, and computers
Exclusive image viewing software
Greatly facilitate image viewing and processing

Good-looking and handy
Compacted size of 0.046m² and space-saving position

The silver- black scheme is suitable for upscale and official occasions.
The compacted size of 0.046 m² remains full-fledged
Standing nearby armchair to safeguard your teeth

Real-time intelligent dose analysis
Safe dental film photographing

- Appropriate dose
- Accurately record the dose value for each photographing
- Timely reminder of exposure dose for clear images
- Ensure secure photographing



- Main unit power input: DC 15V 3.2A
- Threshold contrast: It can distinguish all four holes of 1.0mm, 1.5mm, 2.0mm and 2.5mm
- Image uniformity < 2%
- Specification: 280*165*210mm
- Weight : 5.2KG



- Main unit × 1
- Power adapter × 1
- Storage box of IP Imaging plate × 1
- U disk × 1



Scan for more details on website



LX16 Plus

Innovative Three Wavelengths Blue Semiconductor Laser Therapy Device

- Wavelengths & optical power:
 - 450±20 nm : Pmax=4W
 - 650±20 nm: Pmax=200mW
 - 976±20 nm: Pmax=7W
- Laser system:
 - 450 nm: Class IV;
 - 976 nm: Class IV;
 - 650 nm:Class II
 - (according to IEC 60825-1)
- Emission modes:
 - CW (continuous wave), chopped 1 Hz to 20 kHz
- Aiming beam:
 - 650±20 nm/ Pmax<5mW
- Battery:
 - 11.1V 2600mAhx2 (57.7Wh)

Wide scope of application

Can be used for the fields of dental soft tissue surgery, endodontic sterilization, periodontal sterilization, peri- implantitis, low intensity laser therapy, oral ulcer, and teeth whitening.

Remarkable treatment effect:
There is basically no bleeding during operation, minimizing the postoperative swelling, reducing pain of patients, and accelerating the recovery.

All accessories available



LX16

A New Generation of High Power Dental Diode Laser

- Wavelengths & optical power:
 - 976±20 nm: Pmax=16W
 - 650±20 nm : Pmax=200mW
- Laser system:
 - 976 nm: Class IV;
 - 650 nm:Class II
 - (according to IEC 60825-1)
- Emission modes:
 - CW (continuous wave), chopped1 Hz to 20 kHz
- Aiming beam:650±20 nm/ Pmax<5mW
- Battery:
 - 11.1V 2600mAhx2 (57.7Wh)



LX16 Plus

LX16

Scan for more details on website

Dental Surgical Motor

ES5

Sterile Efficient Convenient



Configuration

Motor with LED × 1
1:3, 1:5 contra-angle with LED × 1 (Optional)

Specifications

Main Unit Dim. L x W x H (Excluding water tank)	155mm x 167mm x 227mm	
Max. Torque	3.5N·cm	
Motor No-Load Speed Range	1000-41000r/min	
Motor Weight	68g	
Motor Dim. ø x L	22mm * 76.7mm	
Motor Luminous Intensity	>40000lx	
Contra-angle model	WJ-45TL	WJ-SG45CL
Speed Ratio	1:5	1:3
Weight	71.3g	77.2g
Head Dim. H x ø	13.7mmx8.7mm	
Noise	< 65dB	≤60dB

STERILE

External single-use irrigation line enables the access to sterile cooling saline, bringing less postoperative pain and wound infection

EFFICIENT

Constant speed, allowing consistent and reliable cutting experience
Simpler and more efficient operation

97.4%

Higher cutting efficiency than the turbine on the same bovine tooth

ES5

9.38s

Air turbine

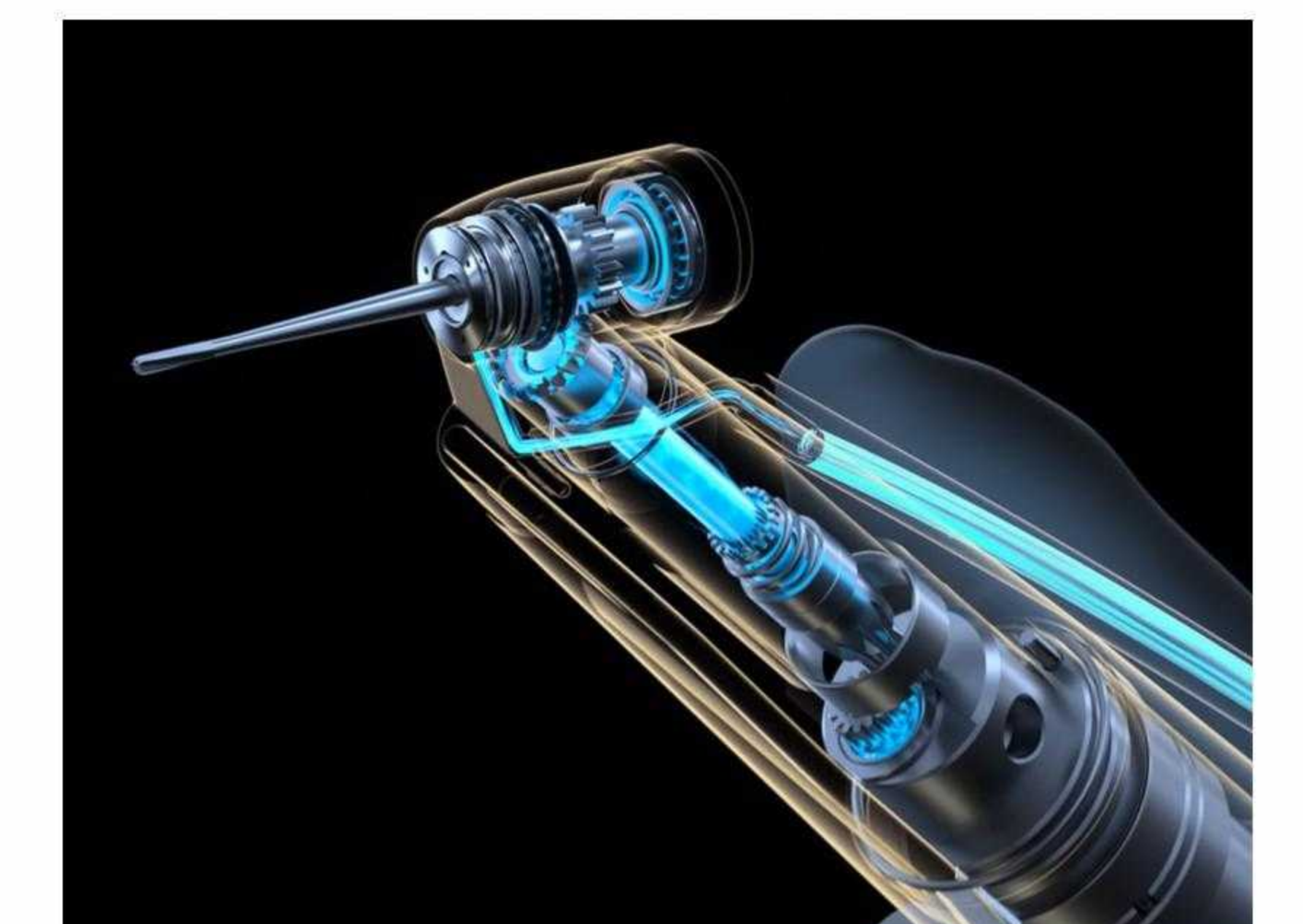
18.52s

MORE POWERFUL

3.5N·cm brushless motor, less vibration with significantly reduced noise benefiting from constant high torque output, accurate transmission of tactile feedback, more powerful cutting

GERMAN BEARING

Longer service life, lower vibration
Stable cutting, precise preparation
Guarantee stable speed and torque output



VERSATILE SURGICAL MOTOR ALL TURBINE FUNCTIONS COVERED

Electrically-driven, portable, plug-and-play
Adapted to multiple electric contra-angles (e.g. 16:1, 1:1, 1:3, 1:4:2, 1:5), delivering outstanding performance results in both high-and low-speed procedures
Can be used for Crown, Separation, Surgery, Rinse, etc., in oral surgery



Scan for more details on website

MT2

Woodpecker
Dental Electric Motor

Brushless Dental Electric Motor
Powerful Versatile Small
An affordable and smart way to switch from turbine to an electric handpiece



Configuration

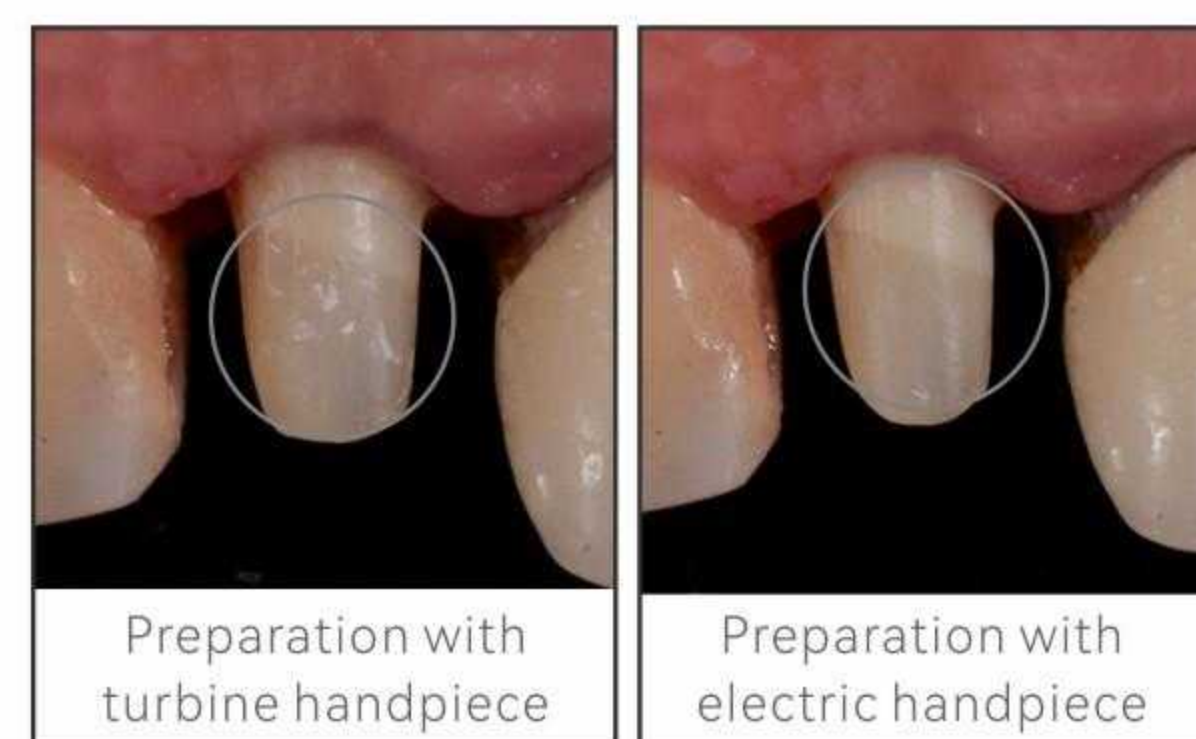
Motor with LED × 1
1:5 contra-angle with LED × 1

Specifications

Motor speed range 2000~40000 rpm
(With 1:5 speed-increasing contra-angle,
the maximum speed can reach 200000 RPM.)
Max torque 5N·cm
Bur offset < 1.3μm
Compatible contra-angle 16:1; 1:1; 1:5 (standard)
Motor size Φ22×76.7mm
Motor weight 68g

Constant speed & torque with low vibration
Long service life and quiet operation
16:1, 1:1, and 1:5 speed ratios are available

Four-hole water spray
Improved trimming and preparation
Easy to understand LCD screen
Flexible installation and customized positioning



Preparation with turbine handpiece Preparation with electric handpiece

Surgic Smart

4th Piezo Bone Surgery
Efficient User-friendly Intelligent

Improved cutting efficiency than the 3rd generation
Automatic identification of bone quality
Power varies as per different bone quality
Can rinse pipeline through foot pedal after each use
More convenient new user interface
New enhanced handpiece
Sterilizable water pipe
Multifunction foot pedal
Tips series for wide range of applications

Specifications

Device for intermittent operation: 60s ON, 10s OFF
Power-supply voltage: ~100V~240V 50Hz/60Hz 170A
Working frequency: 24kHz~36kHz
Flow: 25~110ml/m

Configuration

HANDPIECE × 2
TIPS
SS1 × 1 SS2 × 1 SS3 × 1 SS4 × 1 SS5 × 1 SS1L × 1 SS1R × 1
SL1 × 1 SL2 × 1 SL3 × 1 SL4 × 1 SL15 × 1 SI1 × 1 SC1 × 1



M2 Pro

Brushless Dental Electric Motor (Built-in)

Specifications

Motor speed range 2000~40000 rpm
(With 1:5 speed-increasing contra-angle,
the maximum speed can reach 200000 RPM.)
Max torque 5N·cm
Compatible contra-angle 16:1; 1:1; 1:5 (standard)
Motor size Φ22×76.7mm
Motor weight 68g

Configuration

Motor with LED × 1
1:5 contra-angle with LED × 1



Scan for more details on website

SURGIC TOUCH

3rd Generation of Ultrasurgery

Micron cutting, selective cutting, cold cutting mode
Autoclavable handpiece cord and pump tube to avoid cross infection
High power LED driving technology brings clear operation vision

Multifunctional foot pedal enables easy function control
7-inch touching screen presents clear information

Device for intermittent operation: 60s ON, 10s OFF
Power-supply voltage: ~100V-240V 50Hz/60Hz 150A
Main unit size: 276 mmx267 mmx110mm
Main unit weight: 2.8kg

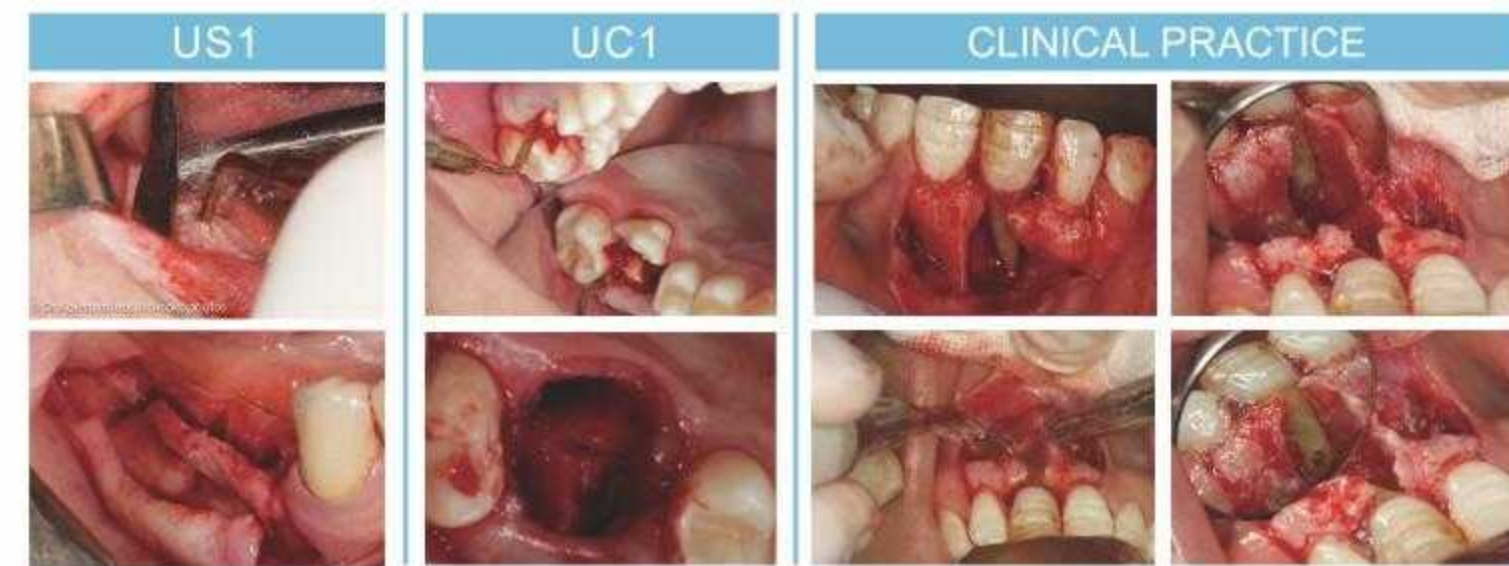
Handpiecex2
US1× 1, US2× 1, US3× 1, US4× 1, US5× 1, US1L× 1, US1R× 1,
UL1× 1, UL2× 1, UL3× 1, UL4× 1, UL5× 1, UI1× 1, UC1× 1

US-II LED

Woodpecker core technology, reliable cutting efficiency
NEWLY DEVELOPED HANDPIECE

Developed internal structure: handpiece
and tip are more compatible, with steady output

Developed packaging technology: more stable
after UHT sterilization, with constant quality



Technical parameters

Power input	100 - 240V~ 50Hz/60Hz 600mA (max)
Frequency	24kHz~ 36kHz
Power output	5W ~ 35W
Main unit weight	3. 1kg
Dimensions	330mmx 254mmx 167mm
Handpiecex1	US1 x1, US2 x1, US4 x1, US5 x1, UL3 x1, UC1 x1

UltraSurgery

Excellent
Performance

Minimally invasive cutting

Ultrasurgery tip vibration accuracy is of micrometer level. During operation,
gripping requires only a small force, and there is no cutting trajectory limit.

Radial amplitude : 20-200µm Transverse amplitude : < 30µm

Handpiecex1
US1 x1, US2 x1, US4 x1, UC1 x1, UL1 x1, UL4 x1



Implanter LED Plus

8 customizable programs: speed, torque,
coolant flow and direction of rotation
Large, easy-to-read LCD display
High-performance and durable motor
Peristaltic pump integrated
Multifunction foot pedal
- Coolant flow adjustment
- Program change
- Rotation direction
- Speed control

Specifications
Rotation Speed Range: 300-40,000rpm
Torque Range: 5N·cm - 80N·cm
Gear Ratio: 20:1
Max Pump Output: 135ml/min
Main Unit Dimentions: 276mm*267mm*110mm
Motor Dimensions: Φ23.4mm*L91mm
Motor Weight: 140g

Configuration
20:1 Contra-angle handpiece × 1



Scan for more details on website

Dental Implant Unit

Implant Air

Precise Reliable Simple



Specifications

Dimensions: 155mm×167mm×227mm
 Speed range: 300-42000rpm
 Motor size: Φ23.4mm×L91mm
 Torque range: (20:1) 5N·cm- 80N·cm
 Max water volume: 135mL/min
 Motor weight: 140g

Configuration

20:1 Contra-angle handpiece× 1

AUTOMATIC CALIBRATION

Torque startup automatic calibration (TSAC), which ensures that the device calibrates itself for accuracy every time it is turned on.

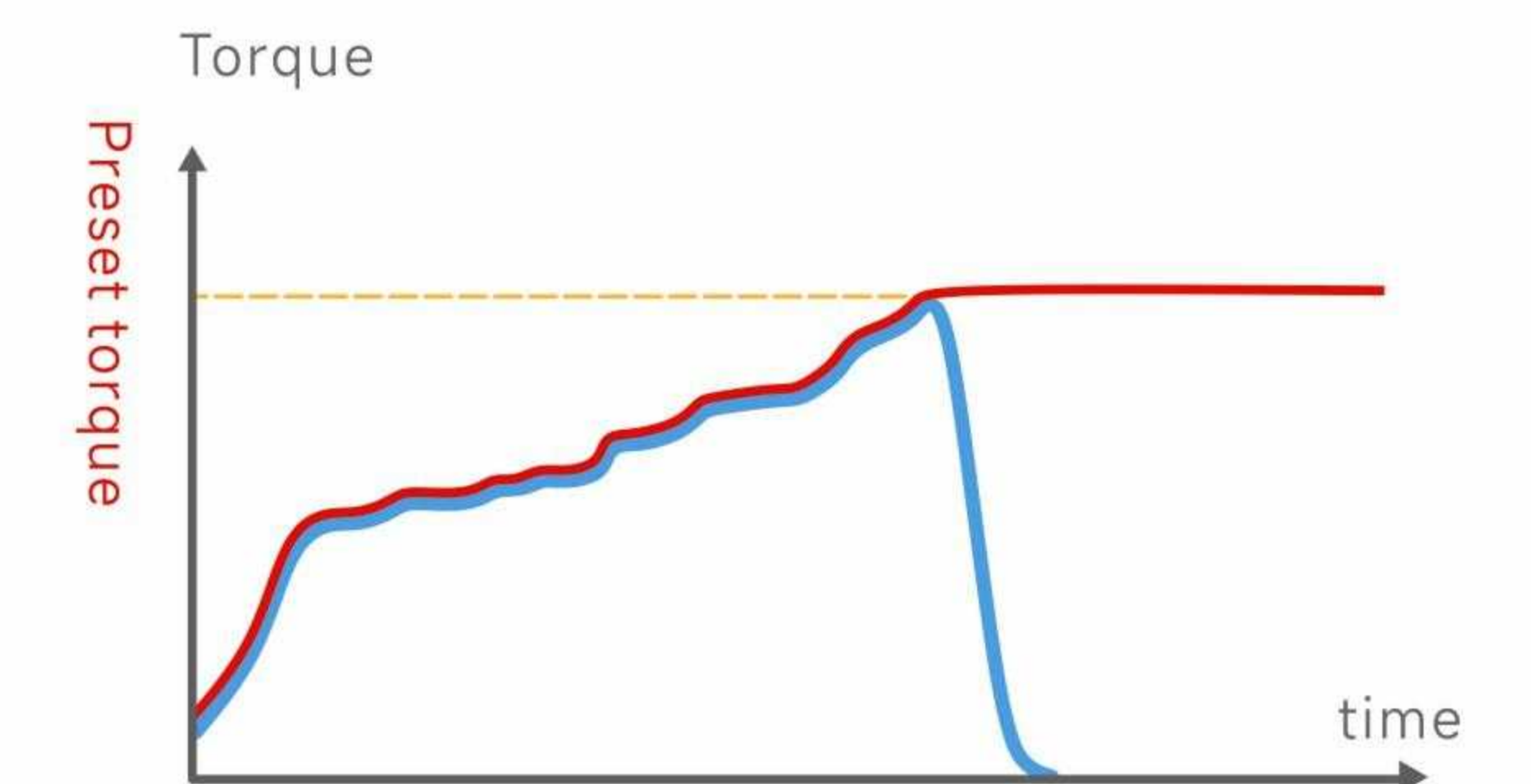
CONTINUOUS TORQUE OUTPUT

The torque output will continue with a preset value, ensuring that the implant placement torque reaches the preset target with higher accuracy.

When the torque reaches the preset value, it will continue to output without automatic stop, avoiding insufficient torque output.

Torque output maintained

Torque output unmaintained



PEAK VALUE DISPLAY

In the implantation procedure, the user interface enables real-time display of peak output torque of each operation, which is convenient for doctors to judge the highest torque of the current operation, confirm the implant initial stability.

Torque	N·cm
35	Peak 35
-	+



Compatible with all E-type interface handpieces and multiple speed ratios
 16:1 20:1 27:1 1:1 1:2 1:2.7 1:3 1:4.2 1:5
 Vertical body, more space-saving
 5-inch LCD color touch screen
 5 preset programs
 Automatic saving of parameters after each operation

ULTRA-QUIET PERISTALTIC PUMP
 MULTI-FUNCTION FOOT PEDAL



Super Pen

Dental Anesthesia Device

Brushless motor – Longer life
Periodontal ligament injection mode (PDL)
– More intelligent

Dual-pressure detection technology + AI algorithm
Auto switch to PDL mode when encountering
periodontal ligament
Dynamic display of pressure and the percentage of
anesthetic injected

Three adjustable injection speeds
– PDL/Low/High – More efficient

Intelligent prompts – Soothing music – More humane

Wireless charging, long battery life – More convenient
Built-in 2000mAh battery in the base

Injection speed: H(35~110s), L(120~170s), PDL(180~320s)
Lithium battery in charging base: 2000mAh
Lithium battery in handpiece: 200mAh
Handpiece weight: 86g
Size: 22mm×22mm×146mm
Cartridge holder*8



Scan for more details on website

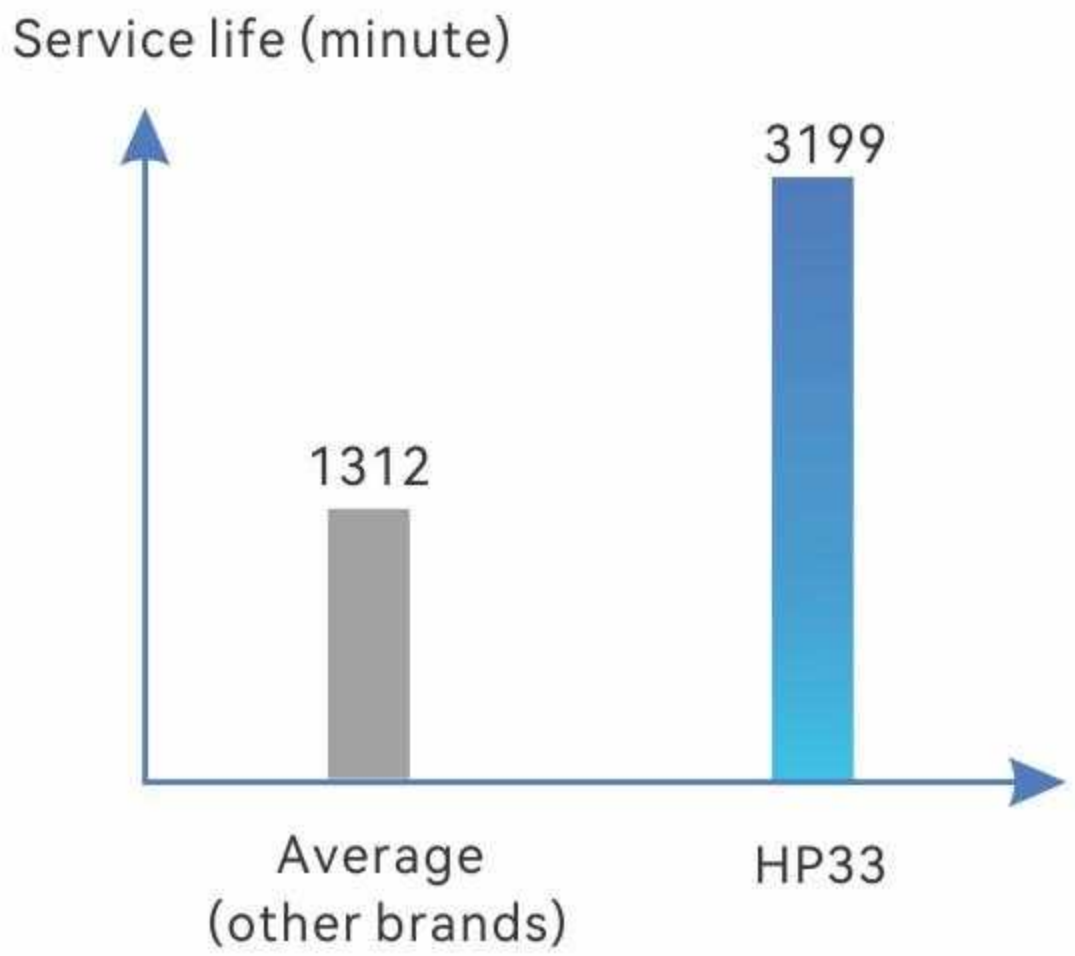
Last Longer

HP33

Dental Turbine Handpiece

Service Life

142.8%↑



Specifications

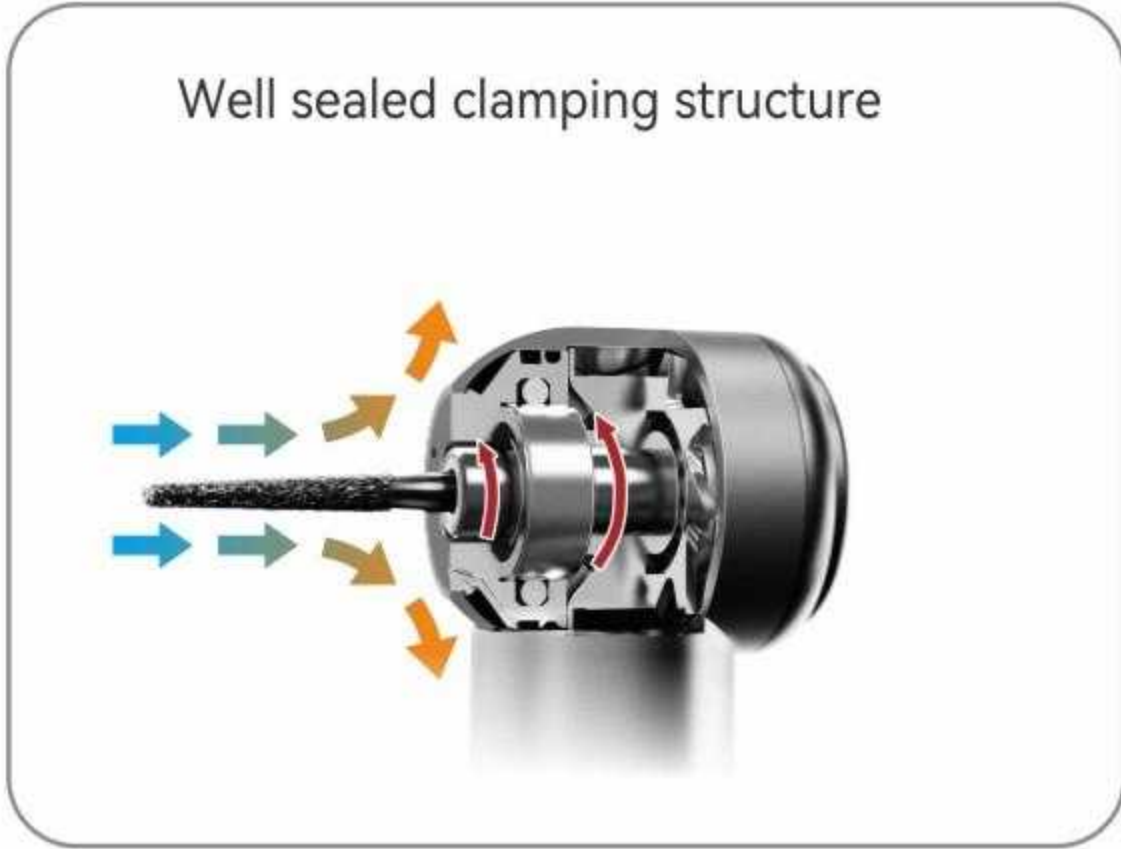
Model	HP33
Chuck	Push-button
Power	20W
Air pressure	2.5-2.7kgf/cm ²
Water pressure	0.5~2.0kgf/cm ²
Speed	≥280000r/min
Head size	Ø 12mm x H 13.1 mm



Scan for more details on website

Clean Head System

Prevent blood and foreign matter from entering the head,
enabling 100% zero suck-back
Avoid cross infection, extend service life



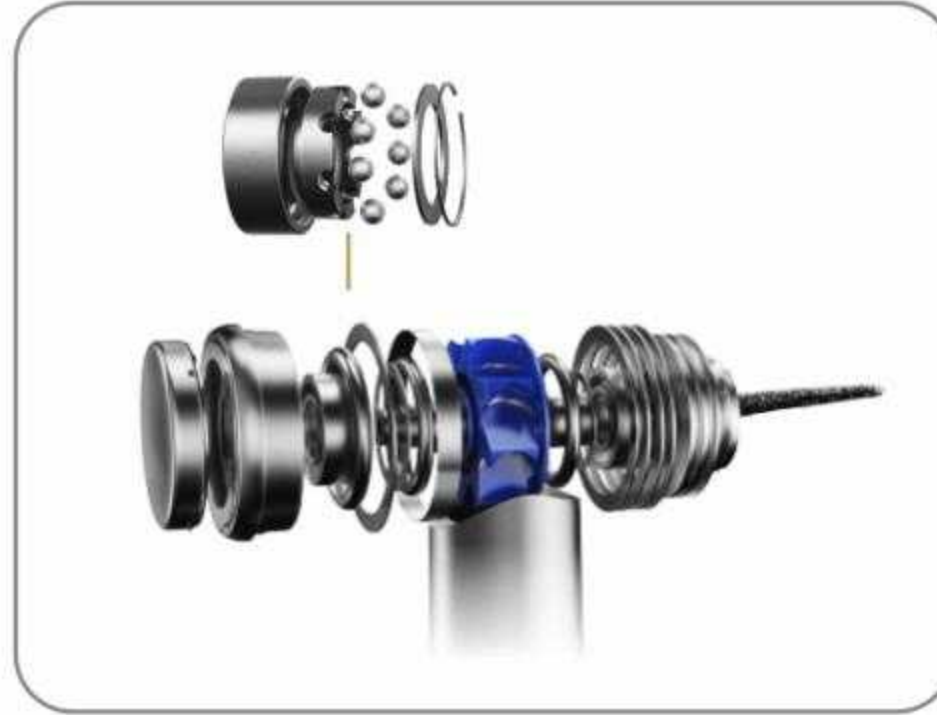
Triple spray

Water-air separation
Effective cooling, reduced risk of burning tissues



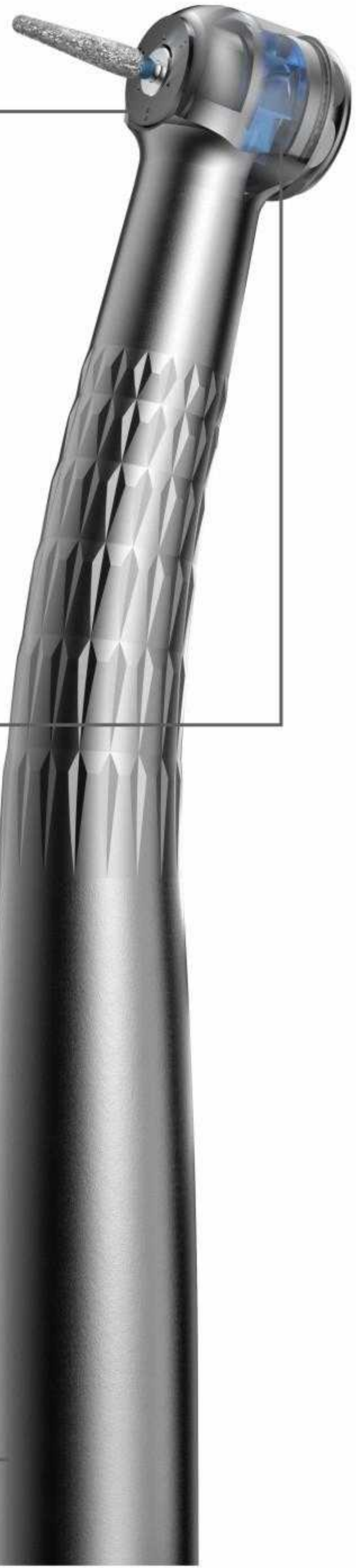
German bearing

more stable



Titanium coating

less wear



O-Star Pro

Master of Uniform Cure

UNIFORM BEAM BRINGS BETTER CURING EFFECT

- O-Star Pro employs 29 blue and purple LED chips arranged in a mixed and interleaved pattern.
- Uniform beam promotes complete photoinitiator reaction within the resin, enhancing resin curing effectiveness and preventing uneven spots and dark areas.

EXCEPTIONALLY FOCUSED LIGHT OUTPUT

- Light angle of only 15.8° delivers improved penetration.
- Perfect for indirect restorations, such as orthodontic brackets and bonding.

7 WORKING MODES FOR CLINICAL VERSATILITY

- Like an all star, O-Star Pro offers robust performance, which is well-controlled and can fully meet various clinical needs.

Normal High Turbo Ortho Soft Pulse Check

Wireless Charging Base With Built-in Light Meter Dual Buttons OLED Screen

SPECIFICATIONS	
Wavelength	385nm-515nm
Maximum Light Intensity	3000mW/cm ²
Light Head	360° rotatable metal light head
Power	10W
Chip	24 blue and 5 purple LED chips
Lens Diameter	10mm
Irradiation Area	78mm ²
Handpiece Weight	108g
Handpiece Material	Aluminum Alloy (all-metal body)
Battery Capacity	2000mAh
Charging Base	Wireless charging base with built-in light meter, LCD screen displays light intensity value
Battery Life	10 seconds/cure, can be used 1000 times



O-Star

Satisfy your multiple needs

1 sec for curing

Ultrahigh light intensity, in maximum 3000mW/cm²

Applicable for all polymerizing resins

Integrated light meter, esay to monitor

Multiple 7 work modes:

Turbo: 1 or 3 sec. (2,700-3,000 mW/cm²)

High: 3 or 5 sec. (1,800-2,000 mW/cm²)

Ortho: 3 sec. (2,700-3,000 mW/cm²) x 5 or 10 one-touch cycles

Normal: 5, 10, 15 or 20 sec. (1,000-1,200 mW/cm²)

Soft: 5, 10, 15 or 20 sec. (1,000-1,200 mW/cm²)

Pulse: 5, 10, 15 or 20 sec. (1,000-1,200 mW/cm²)

Check: 30 or 60 sec. (300 – 500 mW/cm²)

Maximum light intensity: 3000mW/cm²

Wavelength range: 385 – 515 nm

OLED Display

Weight: 108g

High-capacity battery: 2,000 mAh

Dimensions: 23x23x204mm



Scan for more details on website



i Led II

- More-focused light output
- 1 sec for curing
- Wide spectrum
- High light intensity

Light intensity:1000mW/cm²~ 3000mW/cm²
Wavelength range: 385nm-515nm
Weight: 278g
High-capacity battery: 2000mAh
Dimensions: 25×25×240mm
10mm-diameter lens

- 3 Modes:**
- Turbo: P0, 1/3s, 2700-3000 mW/cm².
 - High: P1, 3/5s, 1800-2000 mW/cm².
 - Standard: P2, 5/10/15/20s, 1000-1200 mW/cm².



i Led Max

- More-focused light output
- 1 sec for curing
- Wide spectrum
- High light intensity

Light intensity:1000mW/cm²~ 2500mW/cm²
Wavelength range: 385nm-515nm
Weight: 278g
High-capacity battery: 1400mAh
Dimensions: 25×25×240mm
10mm-diameter lens

- 2 Modes:**
- Turbo: P1, 1/3s, 2300-2500 mW/cm²
 - Normal: P2, 5/10/15/20s, 1000-1200 mW/cm²



X-Cure

- Curing Expert
- High light intensity
- Premium design

Light intensity: 300mW/cm²~ 3000mW/cm²
Wavelength range: 385nm-515nm
Weight: 750g
High-capacity battery: 1400mAh
Dimensions: 276mm x 28mm x 30mm

- 3 Modes:**
- High: 1/2/3s, 2700 - 3000mW/cm²
 - Soft: 5/10/15/20s, 1000-1200mW/cm²
 - Check: 30s, 60s, 300-500 mW/cm²



B-Cure Plus

- Best assistant for orthodontics
- Two-battery design for longer durability
- 1 sec for curing

Maximum light intensity: 3000 mW/cm²
Wavelength range: 385nm-515nm
Weight: 128g
High-capacity battery: 750mAh (2 batteries)
Dimensions: 262.5mm×45mm×28.5mm

- 5 Modes:**
- Turbo: 1/3s, 2800~3000 mW/cm²
 - Ortho: 3s x10, 5s x10, 1800~2000 mW/cm²
 - Normal, Soft, Pulse: 5/10/15/20s, 1000~1200 mW/cm²



i Led Plus

- Wide spectrum
- 1 sec for curing
- Constant power output
- 360° curing
- High light intensity

Light intensity:1000mW/cm²~ 2500mW/cm²
Wavelength range: 385nm-515nm
Weight: 278g
High-capacity battery: 1400mAh
Dimensions: 25×25×240mm
8mm-diameter lens

- 2 Modes:**
- Turbo: P1, 1/3s, 2300-2500 mW/cm²
 - Normal: P2, 5/10/15/20s, 1000-1200 mW/cm²



i Led plastic head

- Wide spectrum
- 1 sec for curing
- Constant power output
- 360° curing
- High light intensity

Light intensity:1000mW/cm²~ 2500mW/cm²
Wavelength range: 420nm-480nm
Weight: 278g
High-capacity battery: 1400mAh
Dimensions: 25×25×240mm
8mm-diameter lens

- 2 Modes:**
- Turbo: P1, 1/3s, 2300-2500 mW/cm²
 - Normal: P2, 5/10/15/20s, 1000-1200 mW/cm²



V V Light

- 1 Sec Curing
- Light intensity up to 2500mW/cm²
- 360° rotatable metal head
- Focused light outout
- Lightweight and easy holding



FOCUSED LIGHT SOURCE FOR DEEP CURING

15.8" beam angle for more-focused light output and stronger penetrability, delivering high efficiency curing

INTELLIGENT CONTROL OF 4 WORKING MODES

Normal Mode: 1000-1200mW/cm²

High Mode: 2300-2500mW/cm²

Soft Mode: 1000-1200mW/cm²

Pulse Mode: 1000-1200mW/cm²

SPECIFICATIONS	
Wavelength	385nm-515nm
Light Head	360° rotatable metal light head
Power	10W
Power Supply	24V~50Hz/60Hz
Handpiece Weight	61g
Dimensions(LxWxH)	22mmx22.8mm×244mm
Warranty	2 years

LED. F Plus

Constant light intensity
3 sec for curing
Ergonomic design

3 Modes:
Turbo: 3/5/10s, 1600~1800 mW/cm²
Normal: 5/10/20s, 1000~1200 mW/cm²
Low: 10s/20s/1min/3min/5min, 400~500 mW/cm²

Light intensity: 400mW/cm² ~1800mW/cm²
Wavelength range: 385nm-515nm
Weight: 210g
High-capacity battery: 2000mAh
Dimensions: 195mm×40mm×150mm



LED.H ORTHO

Rapid orthodontics
Beveled light guide
Continuous work time

2 Modes:
Standard: 5/10/15/20s, 1000~1200mW/cm²
Ortho: 3/5/10s, 1600~1800mW/cm²

Light intensity: 1000mW/cm² ~1800mW/cm²
Wavelength range: 385nm-515nm
Weight: 178g
High-capacity battery: 2200mAh
Dimensions: Φ25mm×252mm



LED.B

Time setting:
5s: 1500 mW/ cm²~1700mW/cm²
10/15/20s: 1000mW/cm²~1200mW/cm²

Light intensity: 1000mW/cm² ~1700mW/cm²
Wavelength range: 385nm-515nm
Weight: 145g
High-capacity battery: 2000mAh
Dimensions: 31mm×34mm×260mm



LED.D

3 Modes:
Full, Ramping, Pulse
Time setting:
5s: 1500 mW/ cm²~1700mW/cm²
10/15/20/25/30/35/40s: 1000mW/cm²~1200mW/cm²

Light intensity: 1000mW/cm² ~1700mW/cm²
Wavelength range: 385nm-515nm
Weight: 143g
High-capacity battery: 1400mAh
Dimensions: 202mm×32mm×38mm



LED.C

3 Modes:
Full, Ramping, Pulse
Time setting:
5/10/15/20s

Light intensity: 1000mW/cm² ~1200mW/cm²
Wavelength range: 385nm-515nm
Weight: 124g
High-capacity battery: 1400mAh
Dimensions: Φ23mm×263mm



LED.H

3 Modes:
Full, Ramping, Pulse
Time setting:3/5/10/15/20/25/30/35/40s

Light intensity: 1000mW/cm² ~1200mW/cm²
Wavelength range: 385nm-515nm
Weight: 178g
High-capacity battery: 2200mAh
Dimensions: Φ25mm×252mm



LED. G (Built -in sealed)

3 Modes:
Normal: 10s, 1000~1200mW/cm²
Ramping: 10s, 1000~1200mW/cm²
High: 3s, 2300~2500mW/cm²

Light intensity: 1000mW/cm² ~2500mW/cm²
Wavelength range: 385nm-515nm
Weight: 135g
Dimensions: 26mm×25mm×260mm



LED.Q (Built-in sealed)

Mode:Full
Time setting: 3s: 1800~2000mW/cm²
10/20s: 1000~1200mW/cm²

Light intensity: 1000mW/cm² ~2000mW/cm²
Wavelength range: 385nm-515nm
Weight: 127g
Dimensions: 248mm×26mm×26.5mm



MiniS

Time setting: 3s: 1800~2000mW/cm²
10/20s: 1000~1200mW/cm²

Light intensity: 1000mW/cm² ~2000mW/cm²
Wavelength range: 385nm-515nm
Weight: 105g
High-capacity battery: 1400mAh
Dimensions: 230mm×26mm×30mm



Contra-angles for Implant Motors & Electric Motors



WP-1

- Speed ratio 20:1
- Max Speed 2000r/min
- German bearing
- 1 year warranty



WP-1L

- Speed ratio 20:1
- Max Speed 2000r/min
- German bearing + LED Light
- 1 year warranty



WJ-11L

- 1:1 direct drive
- Max Speed 41000r/min
- German bearing
- Mini head (13.6x8.2)
- Two-hole water spray cooling
- 1 year warranty



WJ-45L

- 1:4.2 increasing
- Max Speed 178500r/min
- German ceramic bearing
- Mini head (14.2x8.7mm)
- Three-hole spray, subsection cooling of bur
- 1 year warranty



WJ-45TL

- 1:5 increasing
- Max Speed 212500r/min
- German ceramic bearing
- Mini head (13.7x8.7mm)
- Four-hole water spray cooling
- 1 year warranty



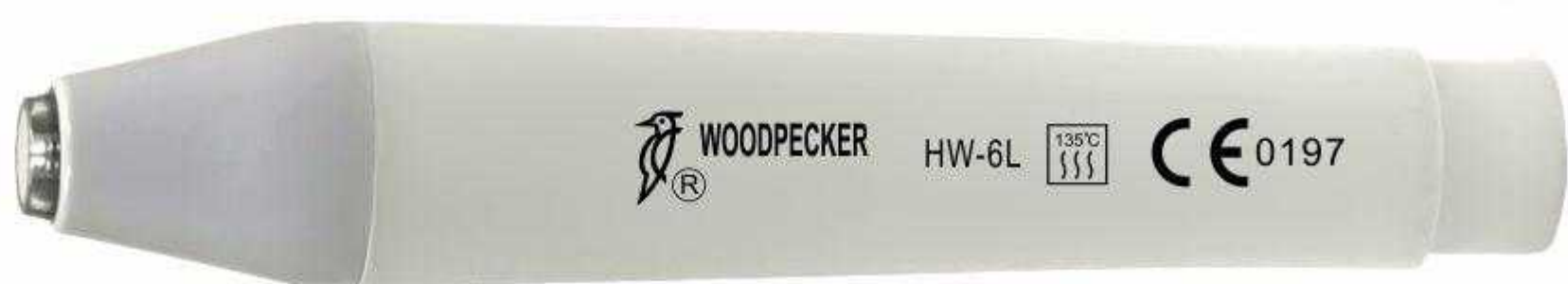
WJ-SG45CL

- 1:3 increasing
- Max Speed 127500r/min
- German ceramic bearing
- Mini head (14.1x8.7mm)
- Three-hole spray, subsection cooling of bur
- 1 year warranty

Handpiece for Ultrasonic scaler

HW-6L

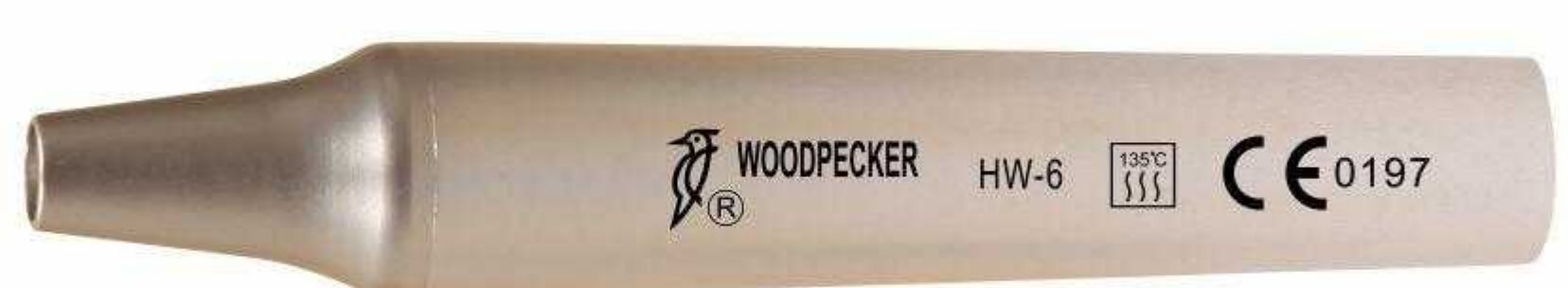
· USED FOR: WOODPECKER scalers with detachable handpiece, with light.



Weight	44 g
Dimensions	101mm×Φ18mm

HW-6

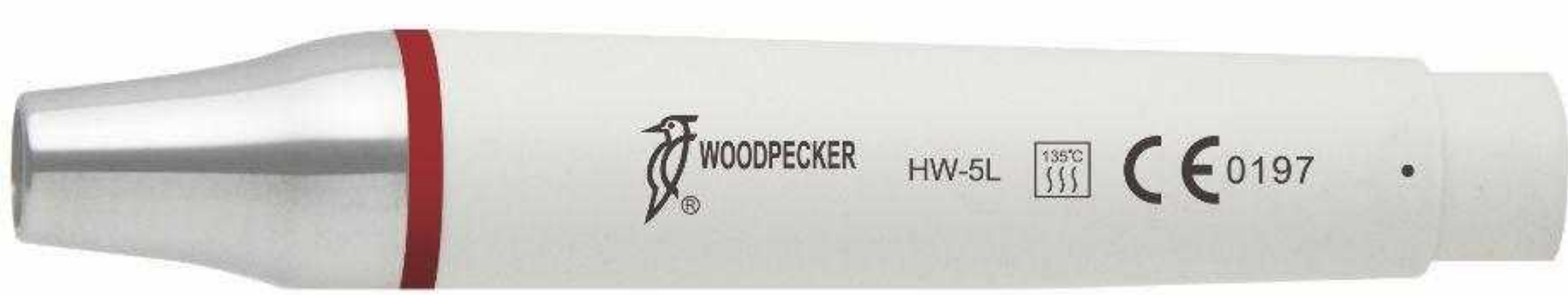
· USED FOR: WOODPECKER scalers with detachable handpiece, without light.



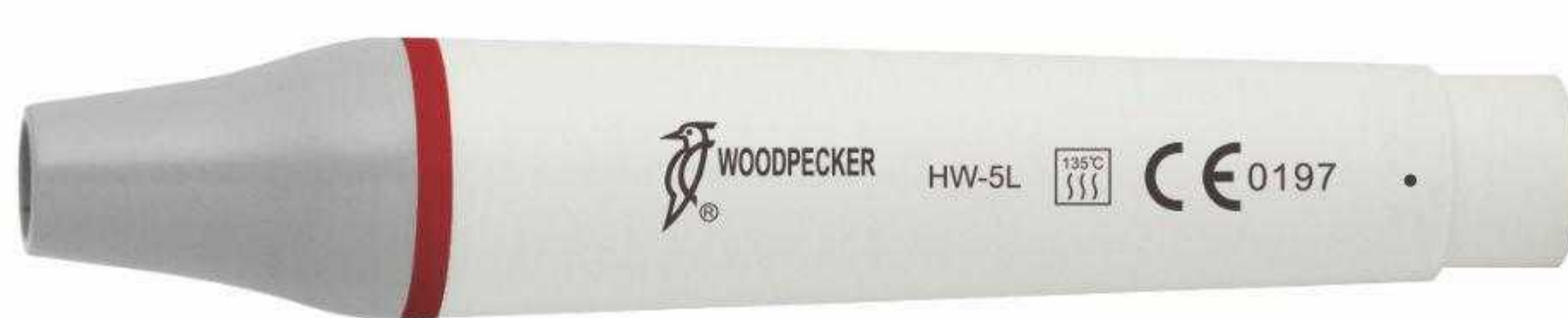
Weight	52g
Dimensions	111mm×Φ17.5mm

HW-5L

· USED FOR: WOODPECKER scalers with detachable handpiece, with light, broader view , autoclavable.
Plastic head and metal head are optional.



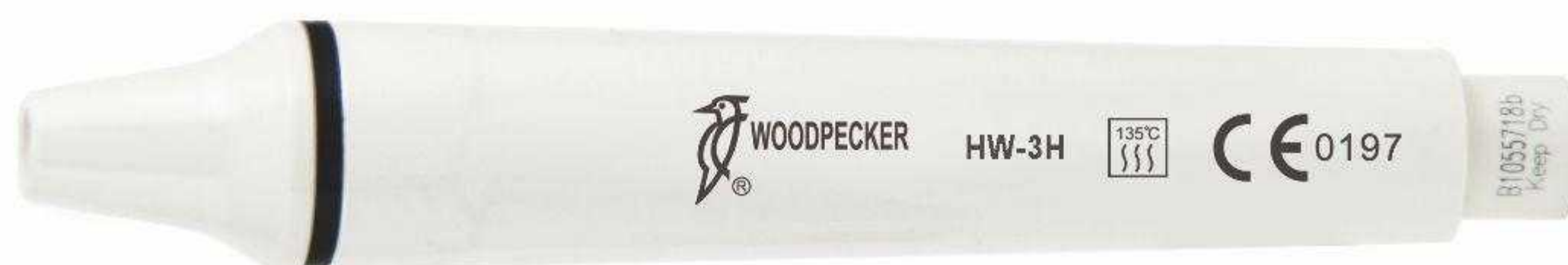
Weight	51.5g
Dimensions	105mm×Φ18.9mm



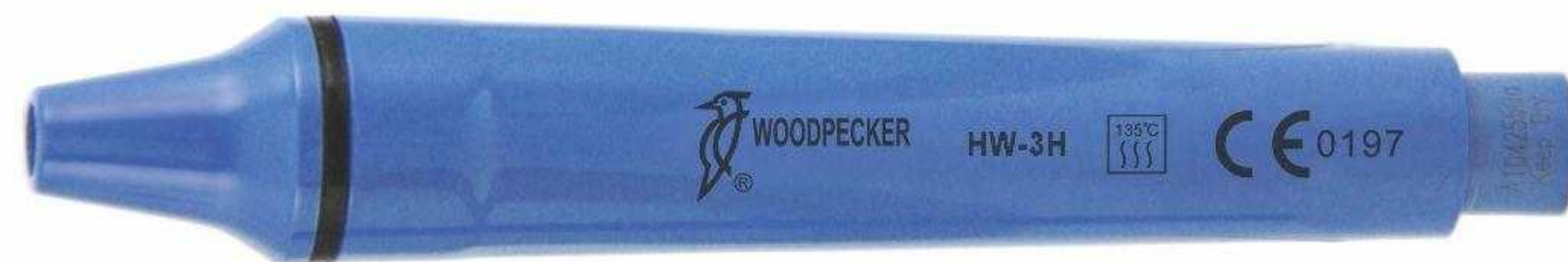
Weight	45g
Dimensions	105mm×Φ18.9mm

HW-3H

· USED FOR: WOODPECKER scalers with detachable handpiece,without light , autoclavable.
· Two colours optional (white/ blue).



Weight	47g
Dimensions	117mm×Φ18mm



Weight	47g
Dimensions	117mm×Φ18mm

HW-1C

· USED FOR: UDS-J2/UDS-N4,handpiece sleeve is autoclavable.
· Three colours optional to the handpiece sleeve (green / yellow / amethyst).



· Three colors for option



Weight	135g (+cable)
Dimensions	137mm×Φ20.4mm

HW-1L

· USED FOR: USD-J2 LED, handpiece sleeve is autoclavable.
· Three colours optional to the handpiece sleeve (green/ blue/ amethyst).



· Three colors for option



Weight	156g (+cable)
Dimensions	140mm×Φ20mm

HW-1

USED FOR:UDS-J/UDS-B/UDS-N1.






Weight	116g (+cable)
Dimensions	113mm×Φ18mm

Tips:

Scaling




G1

Supragingival scaling






G2

Supragingival scaling




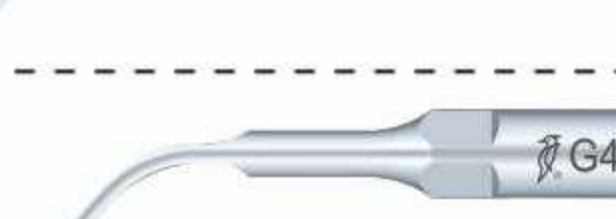

G3

Supragingival scaling




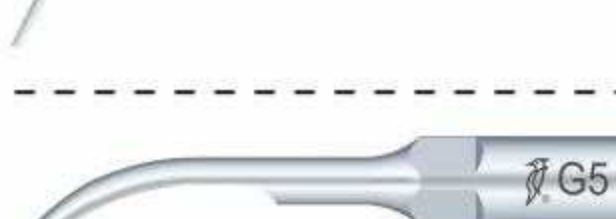

G4

Supragingival scaling




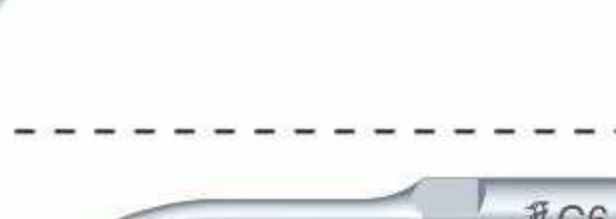

G5

Supragingival scaling






G6

Supragingival scaling






G7

Remove dental crown






G8

Remove dental pile, with irrigation





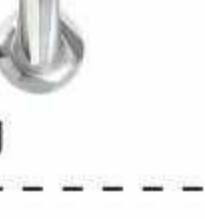
G9

Supragingival scaling






G10

Supragingival scaling



G11




Orthodontic treatment



Periodontics




P1

Periodontal scaling





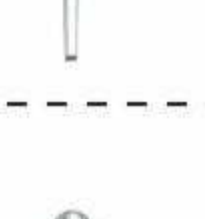
P3

Periodontal scaling






P4

Periodontal scaling






P3D

Polish root canal surface




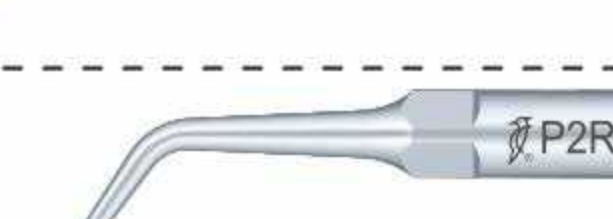

P2L

Periodontal scaling






P2R

Periodontal scaling






P2LD

Remove calculus from narrow inter-root spaces (diamond-coated)



P2RD




Remove calculus from narrow inter-root spaces (diamond-coated)



Cavity preparation


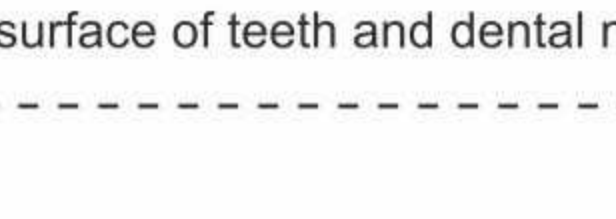
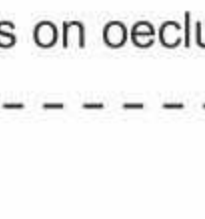
SB1

Removing the caries on occlusal surface of teeth and dental neck






SB2

Removing the caries on Mesial surface of the adjacent teeth






SB3

Removing the caries on Distal surface of the adjacent teeth




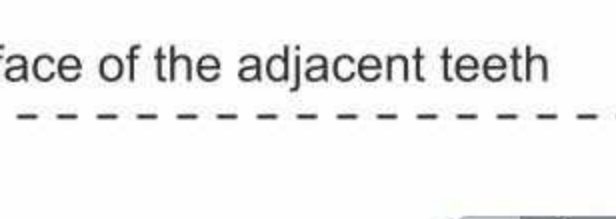

G31

Preparation of mesiooclusion cavity






G33

Preparation of teeth veneer




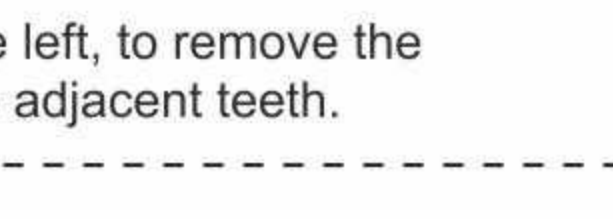
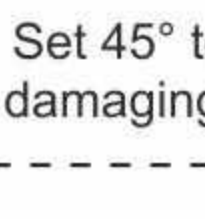
SBL

Half ball diamond tip. Set 45° to the left, to remove the carious teeth without damaging the adjacent teeth.






SBR

Half ball diamond tip. Set 45° to the right, to remove the carious teeth without damaging the adjacent teeth.




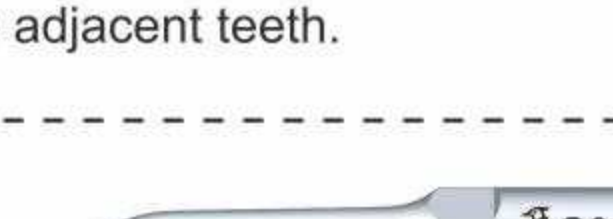

G30

Preparation between pits and fissures



G32

Preparation of distal and mesial cavity



Shoulder preparation

G20

Abrade dentin



G21




Fine repair and polish the prepared shoulder



Endodontics




E1

120°angle holder, for root canal cleaning




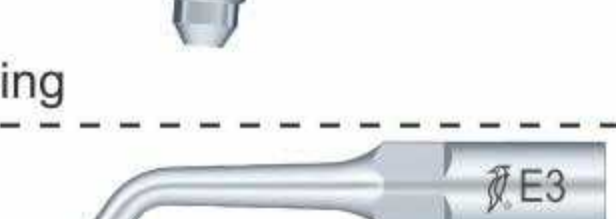

E2

95°angle holder, for root canal cleaning




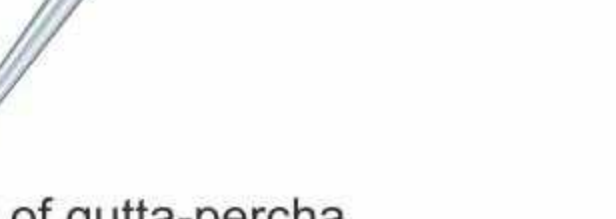

E3

For the lateral thermal condensation of gutta-percha






E3D

Used to remove the calcification and bad filling material of pulp cavity (diamond-coated)






P4D

Remove calcification in the coronal third of the root canal (diamond-coated)






E4

Remove obstructions and broken instruments in the root canal






E4D

For the retreatment and removal of hard material






E5

Remove root canal fillings and broken instruments in the coronal third




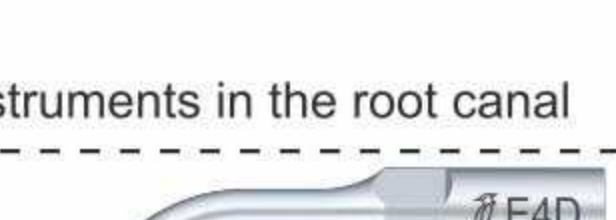

E5D

Remove dental overhangs in the pulp chamber (diamond-coated)






E8

Burs holder, used to expand root canal and grind teeth






E9

Burs holder, used to expand root canal and grind teeth




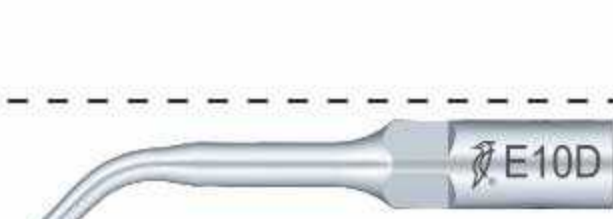

E10

Used for root canal softly treatment






E10D

Used for root canal retrogression, efficient root apical polishing (diamond-coated)






E11

Used for root canal softly treatment




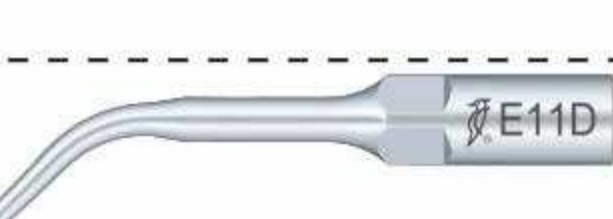

E11D

Used for root canal retrogression, efficient root apical polishing (diamond-coated)





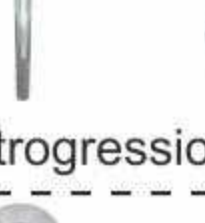
E14

Remove obstructions and broken instruments in the root canal, with irrigation






E15

Remove root canal fillings and broken instruments in the coronal third, with irrigation






E14D

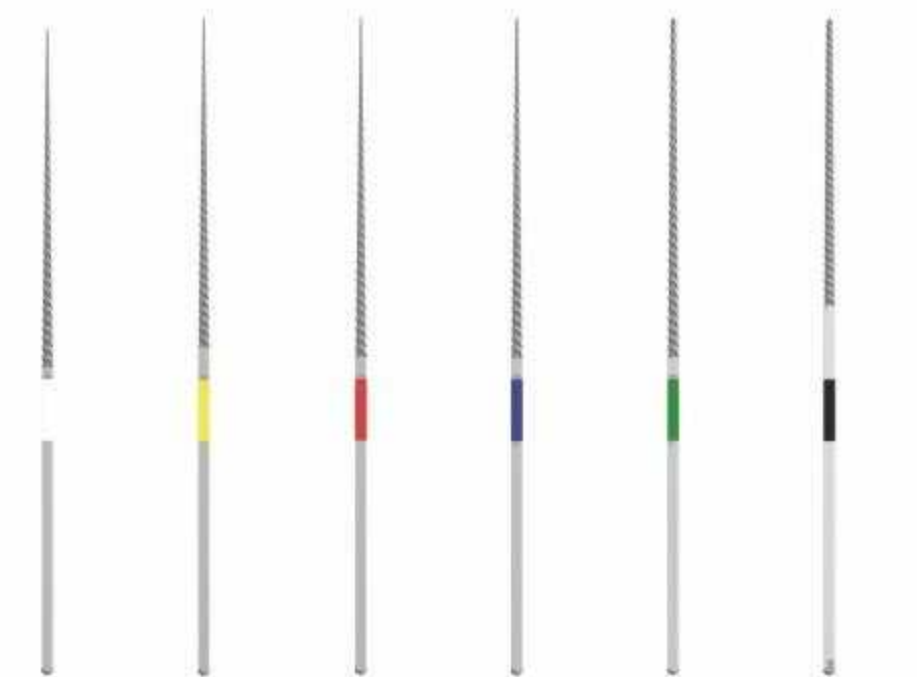
For the retreatment and removal of hard material, with irrigation



E15D

Remove calcification in root canal, root canal cleaning and enlargement





Tip with excellent tenacity is used for root canal cleaning
File size: 32.5mm ± 0.5mm
Handpiece size: Φ0.68mm~0.71mm
K-file taper: 2%
Each kit with six pieces,one kit for one model
Contraindications and precautions can be found in the manual.

15# 20# 25# 30# 35# 40#

Scaling (Used for SIRONA)



Supragingival scaling



Supragingival scaling



Supragingival scaling



Supragingival scaling



Supragingival scaling



Supragingival scaling



Remove dental crown



Remove dental pile, with irrigation

Periodontics (Used for SIRONA)



Periodontal scaling



Periodontal scaling



Periodontal scaling



Smoothing restoration overhangs and debride in-depth root (diamond-coated)

Endodontics (Used for SIRONA)



120° angle holder, for root canal cleaning



95° angle holder, for root canal cleaning



For the lateral thermal condensation of gutta-percha



Used to remove the calcification and bad filling material of pulp cavity (diamond-coated)



Remove calcification in the coronal third of the root canal (diamond-coated)



Remove obstructions and broken instruments in the root canal



Remove root canal fillings and broken instruments in the coronal third



Burs holder, used to expand root canal and grind teeth



Used for root canal softly treatment



Used for root canal softly treatment



Remove obstructions and broken instruments in the root canal, with irrigation



Remove root canal fillings and broken instruments in the coronal third, with irrigation

Scaling (Used for KAVO)



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Orthodontic treatment



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Burs holder, used to expand root canal and grind teeth

Periodontics (Used for KAVO)



Subgingival scaling

Used for AMDENT



Supragingival scaling

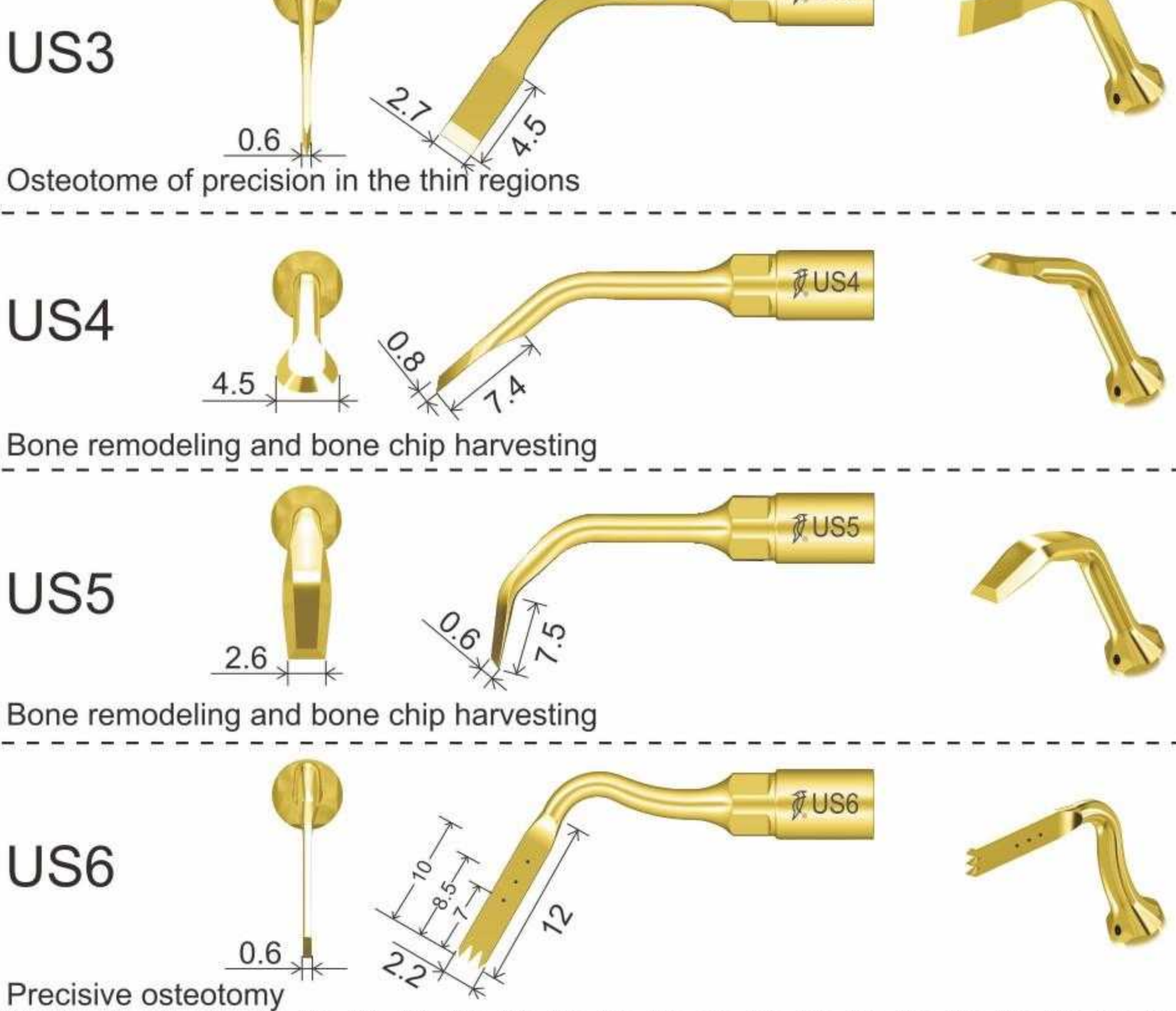
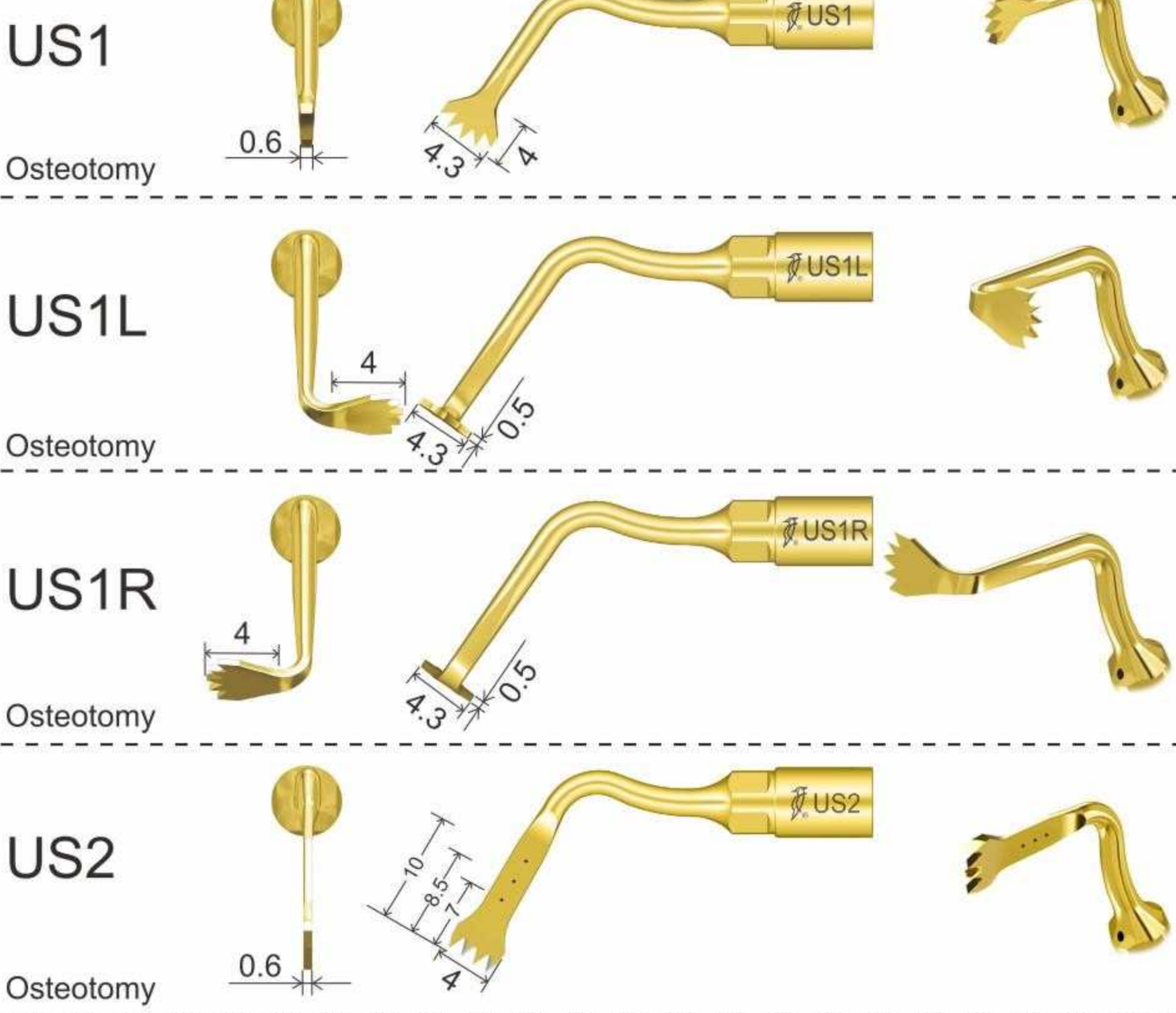


Supragingival scaling

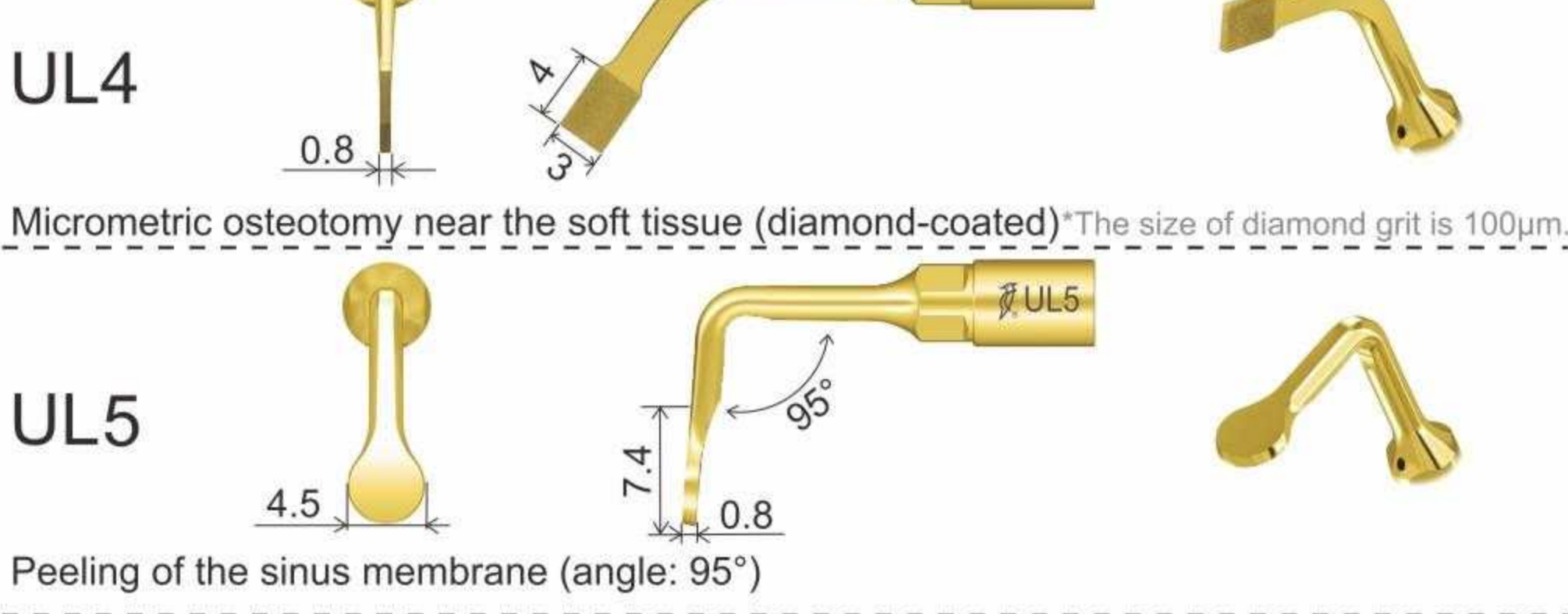
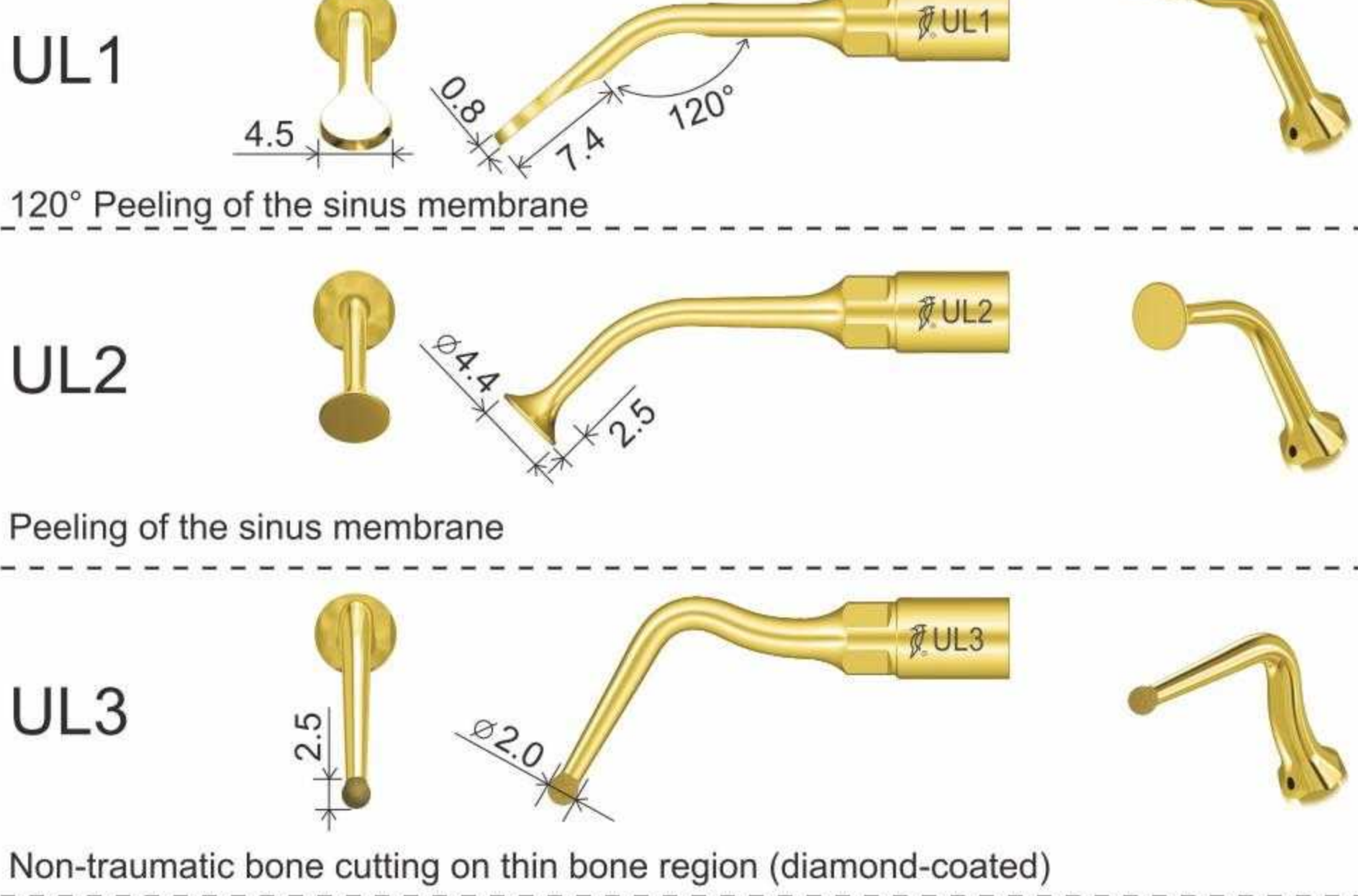


Supragingival scaling

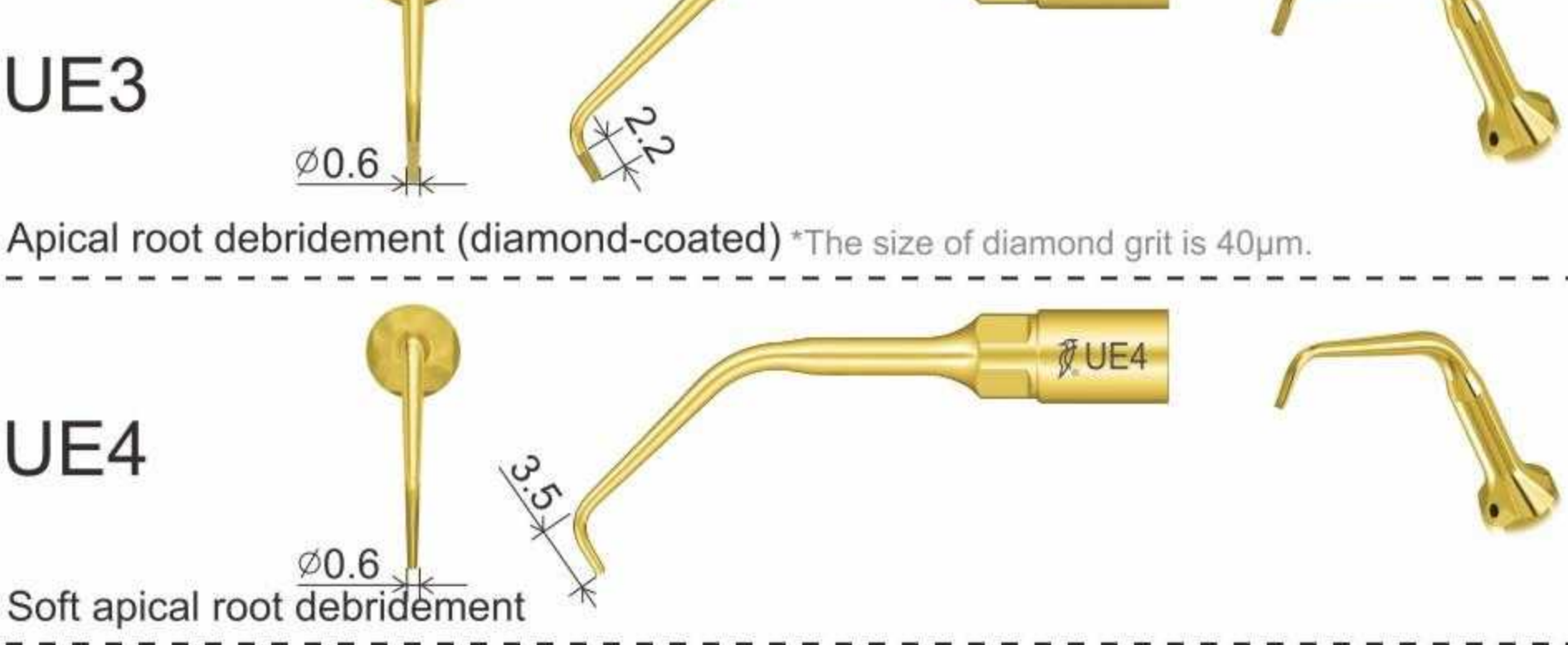
Bone surgery



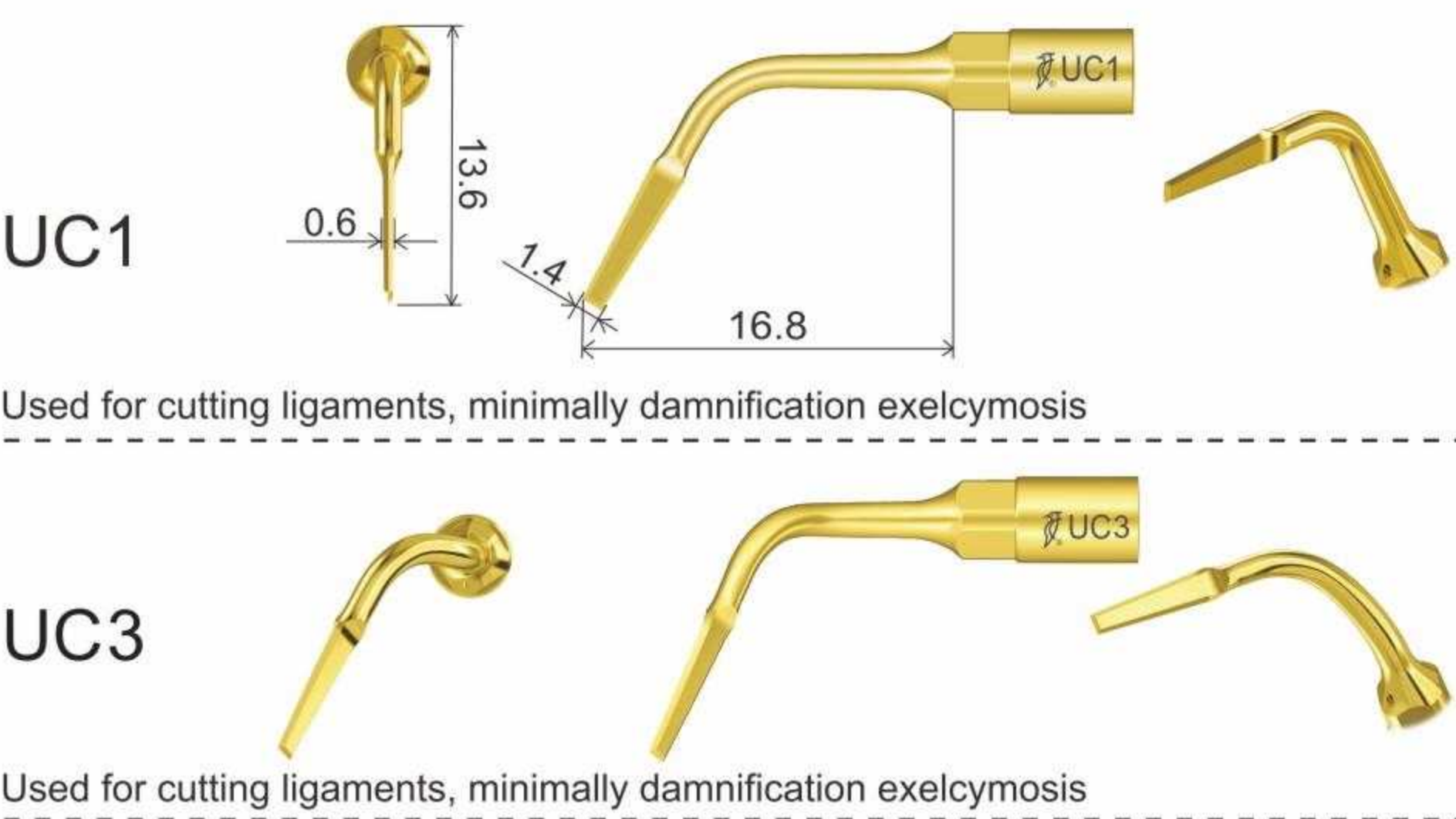
Sinus lifting



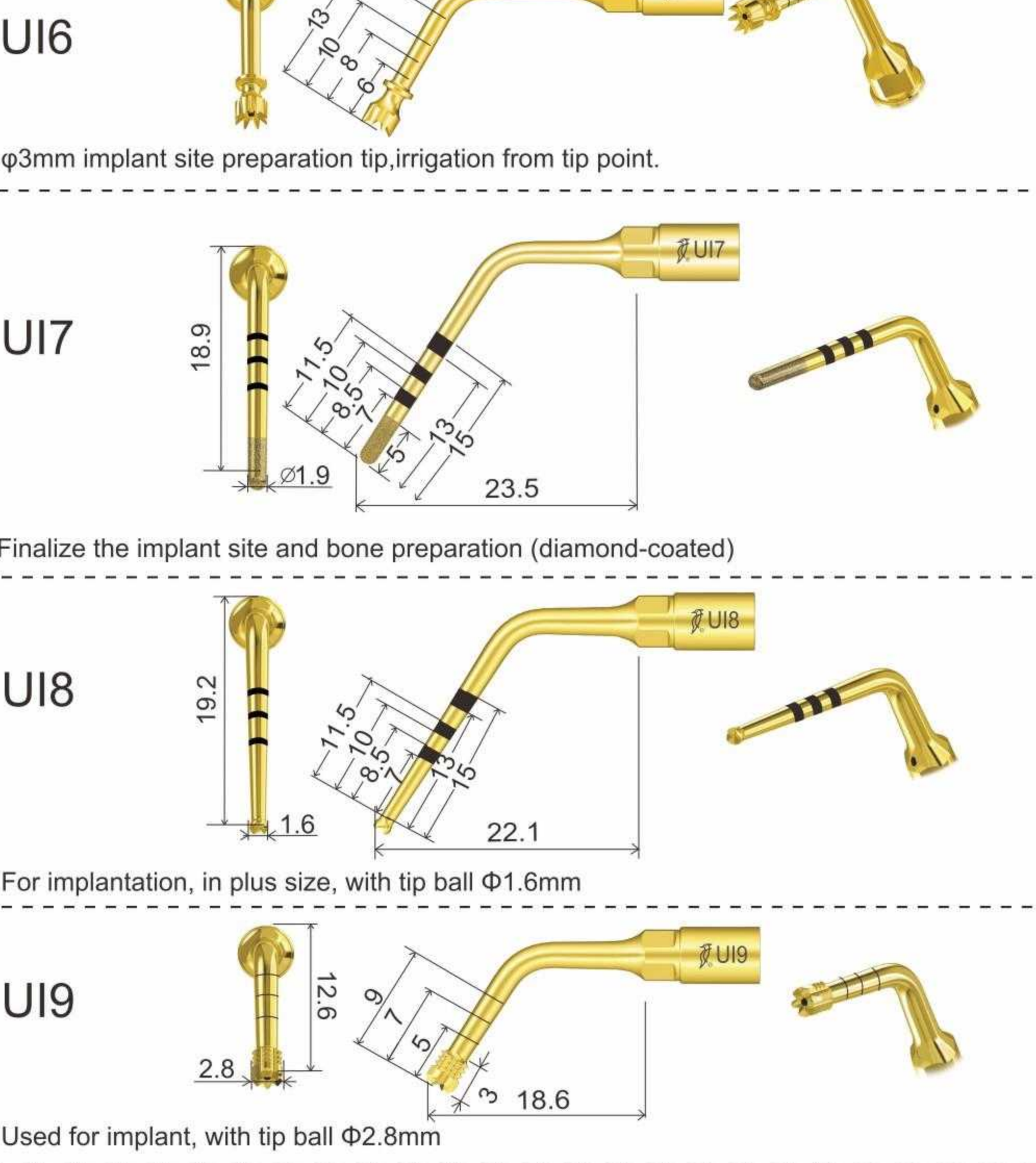
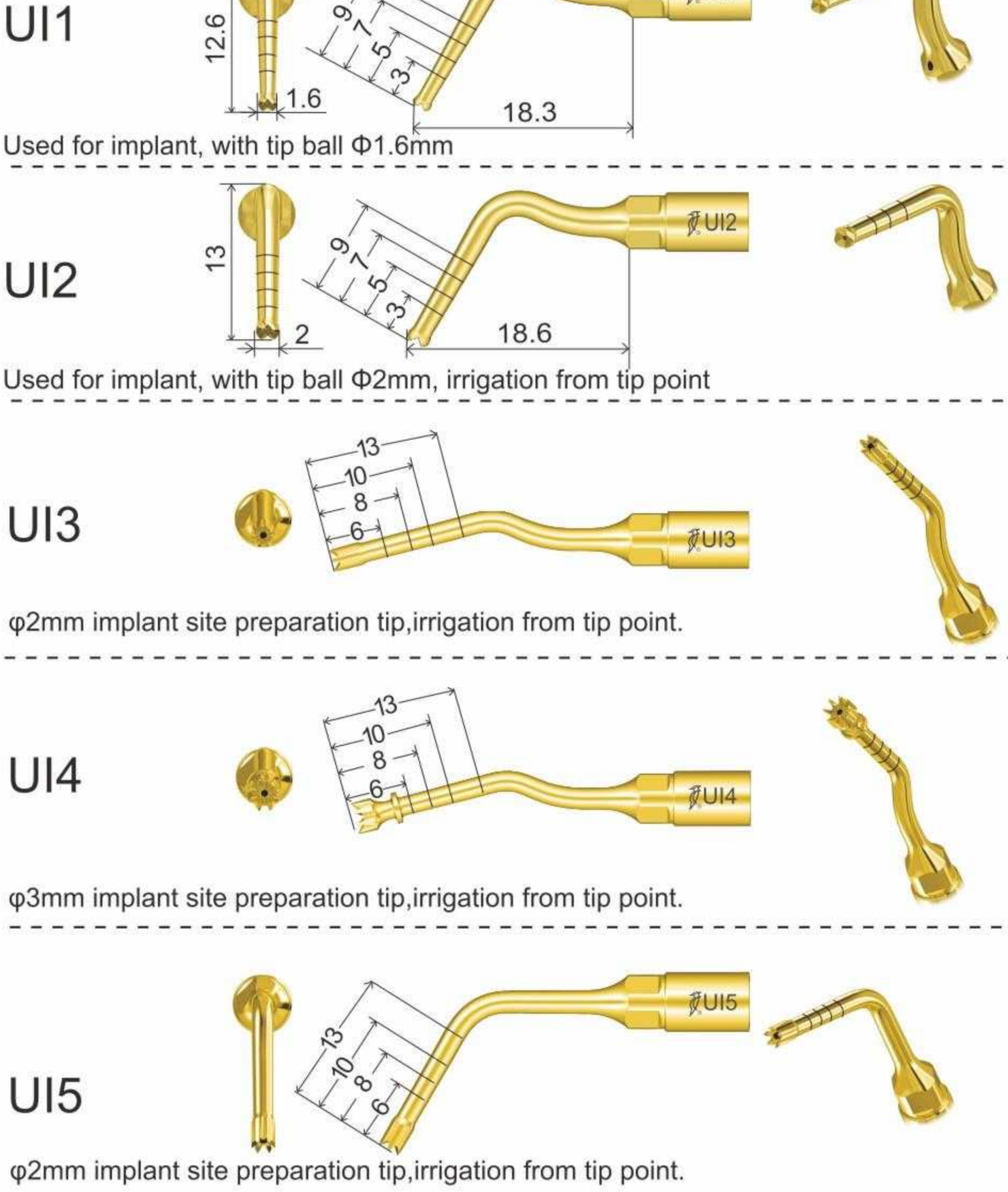
Endodontic



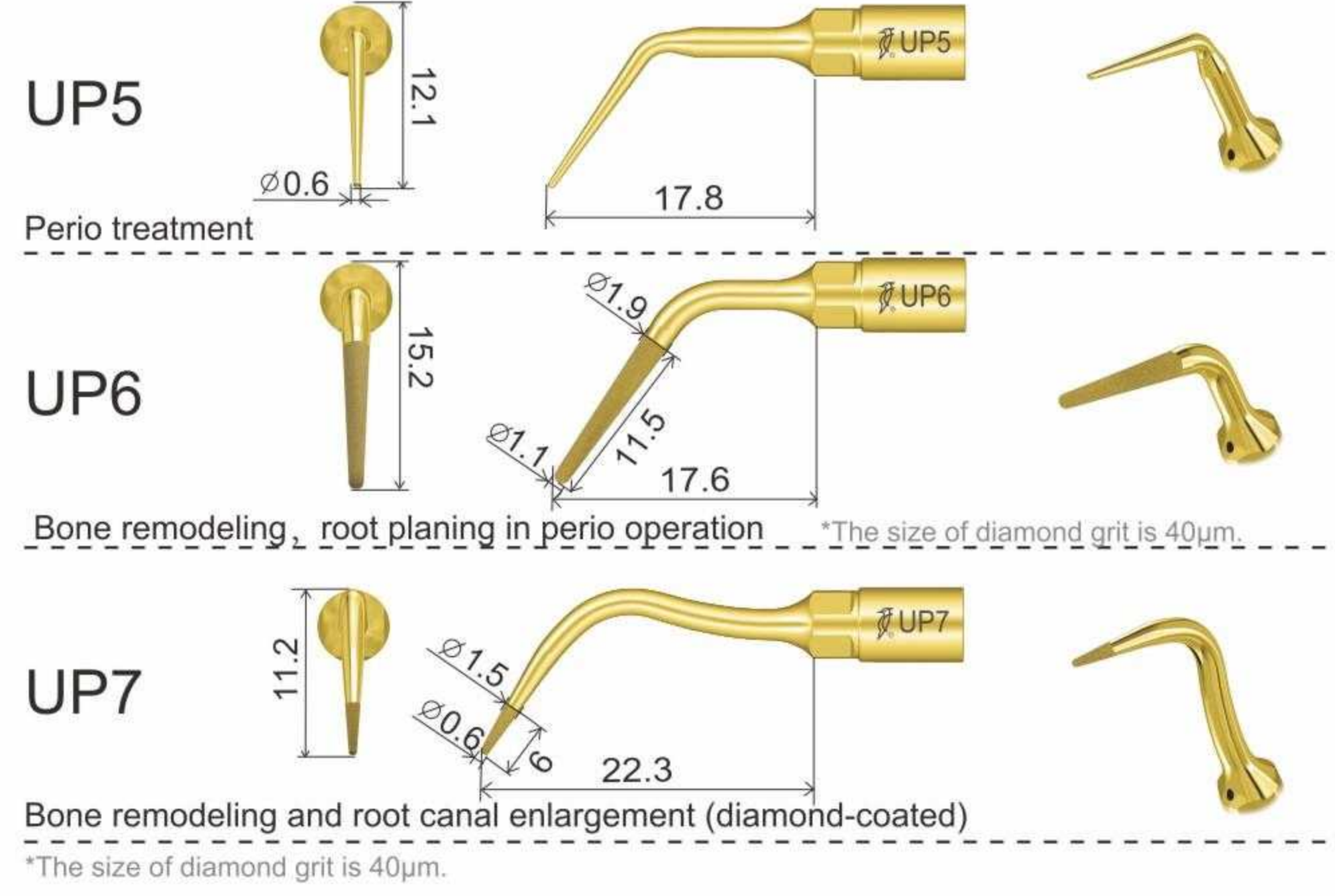
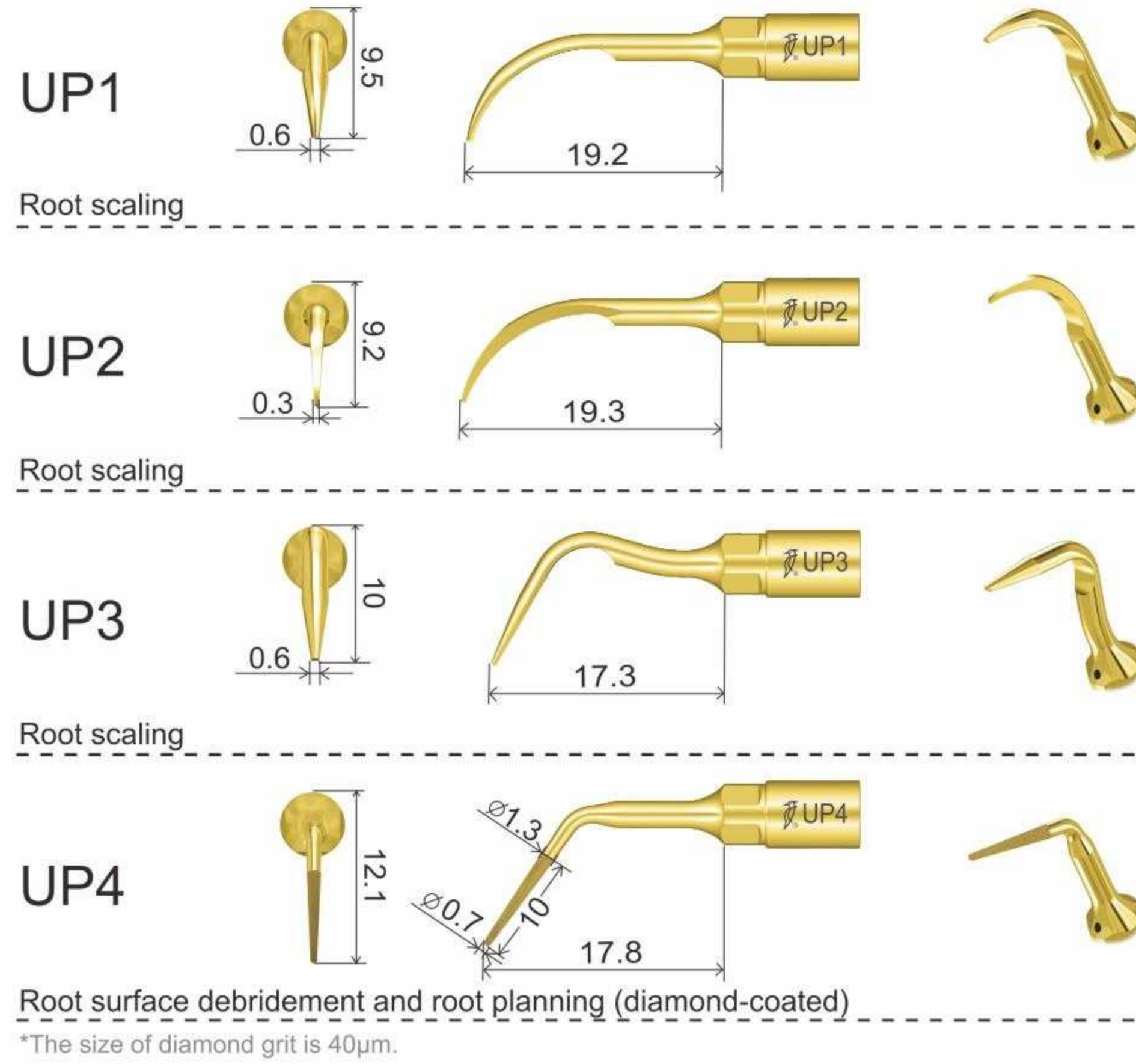
Exelcymosis



Implantation



Periodontal surgery



Ultrasonurgy Tip Kit

