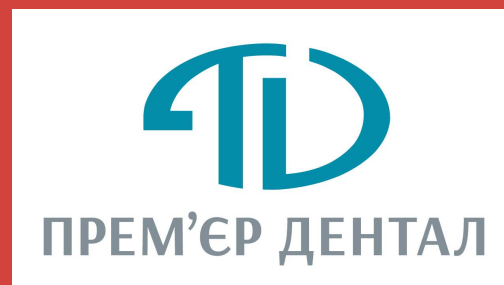




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1989



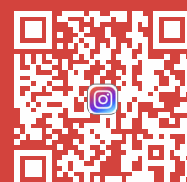
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CATALOGUE



BUILD YOUR IMAGINATION

Global High-tech Enterprise



CONTENTS

Endodontic1-24

Endo Motor	
Endo GT Pro	1-2
812MT	3-4
Smart A Pro Smart A	5-6
Ai-Motor (T-Mode)	7
Ai-Motor Endo Smart Pro	8
Endo Radar Pro Endo Radar Pro ARI	9-10
Endo Pace & Endo Free	11
Endo Smart+ MotoPex	12
Instruments	
TFRK	13
Yoshi Tips	14
Talal Tips	15
Altaqi Kit	16
Apex Locator	
Woodpex X MHN Woodpex X	17
DpexX MHN Dpex X	18
Woodpex V Dpex V	19
Ai-Pex Minipex	20
Obturation System	
Fi-E	21
Fi-G & Fi-P	22
R1 Plus	23
Endo Activator	
Endo 3	24
Prevention25-42	
Air Polisher	
ABC (Airstream Biofilm Clearance)	25-26
PT-E	27-28
PT-B	29-30
PT-A	31-32
AP-A AP-B	33
AP-H (Plus)	34
AP-P (Pro)	35

Periodontal Treatment Device	
PT5	35
Cordless Propy System	
Propy Mini K-Po	36
Ultrasonic Scaler	
UDS-T LED	37
D8 LED	38
U600 LED D600 LED	39
U6 LED S6 LED	40
UDS-E LED UDS-K LED UDS-P LED	41
UDS-J UDS-A LED UDS-B	
UDS-L LED UDS-J2 LED	
D7 LED D6 LED D5 LED	42
D3 LED D2 LED D1 V6 LED V2 LED	

Imaging System43-52

Dental X-ray Device	
Ai Ray Mini Ray	43-44
Smart Ray Master Ray	45-46
Imaging Plate Scanner	
i-Scan	47-48
Free Scan	49-50
Digital Sensor	
i-Sensor	51-52

Implant and Surgery53-68

Dental Diode Laser	
LX 16 Plus LX 16	53-54
D-Laser Blue D-Laser 16	
Electric Motor	
ES5	55-56
MT2 M2 Pro	57

Piezo Bone Surgery	
Surgic Smart	58
Ai-surgery	
Surgic Star	59-60
Surgic Touch Surgery-X	61
US-II LED DS-II LED UltraSurgery	62

Implant Motor	
Implanter LED	63
Implant-X	64
Implant Air	65

Dental Anesthesia Device	
Star Pen	66
Super Pen	67

Dental Turbine Handpiece	
HP Series Dental Turbine Handpiece	68

Curing Light69-77

X-Star	69
O-Star Pro	70
O-Star	71
U-Light	72
B-Cure Plus V V Light	
i Led II i Led Max	73
O-Light II O-Light Max	
i Led Plus i Led plastic head	74
O-Light Plus O-Light plastic head	
LED.F Pro LED.F Plus	75
LED.H ORTHO LED.B LED.E	
LED.D LED.C LED.H	76
LED.G LED.Q MiniS	
LUX E Plus LUX V	77
LUX VI LUX I	
BUILT-IN C BUILT-IN H	

Contra-angles for Implant Motors & Electric Motors78

WP-1 WP-1L WJ-11L	78
WJ-45L WJ-45TL WP-SG45CL	

Handpiece for Ultrasonic Scaler79-80

HW-6L HW-6 HW-5L HW-3H	79
HW-1C HW-1L HW-1	
HD-8L HD-8H HD-7L	80
HD-7H HD-2L HD-1	

Tips81-96

Tips	81-96
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Endo GT Pro

THE FUTURE OF ENDODONTICS

Smarter Faster More Precise



The Endo GT Pro system consists of a main control unit and a handpiece. The main unit features a large 6-inch touchscreen displaying the 'EVO FLEX' interface with various settings like speed (500) and torque (2.5). The handpiece is sleek and white, with a power button and a status indicator. It is shown in its charging base, which also displays the 'Endo GT Pro' logo.

Illuminated Contra-Angle

- 8mm ultra-thin design
- Max brightness of integrated LED > 4.5 Lumen



The handpiece is shown with its integrated LED light illuminating a tooth. A diagram indicates its 8mm ultra-thin design.

6-Inch Touchscreen

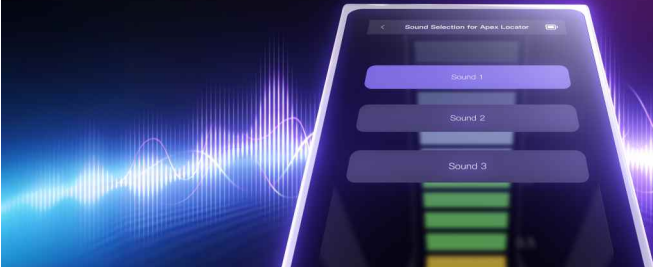
Stunningly bright.
Quick preset interface



The touchscreen displays the 'EVO FLEX' interface with various settings and a list of files.

Apex locator sound library

3 optional sounds



The sound library interface shows three optional sounds for the apex locator.

Intelligent file system library

- WiFi cloud synchronization
- Customizable file sequences



The file system library interface shows a list of files and a QR code for cloud synchronization.

Hardware Architecture

Magnetic field sensors: Dynamic real-time speed control

Dual apex measurement modules: Handpiece & base can independently measure or perform simultaneous preparation and measurement



The diagram illustrates the hardware architecture, showing the handpiece and base with their respective sensors and measurement modules.

Endo GT Series	Endo GT Mini	Endo GT	Endo GT Pro
Built-in AL in Handpiece	✗	✓	✓
Built-in AL in Main Unit	✗	✗	✓

- Speed: 50-3000 rpm
- Torque: 0.4-5.0 N·cm
- Ratio of contra-angle: 6:1

- Working mode: T-Mode, EAL, CW, CCW, SGP, ATR (T-Mode, SGP and ATR: Forward & Reverse rotation angles are adjustable)
- Integrated LED > 4.5Lumen

Charging base ×1
Handpiece ×1
Contra-angle ×1
Spray nozzle ×1
Measuring wire ×1
File clip ×4
Lip hook ×5
Main Unit ×1



2

Smart A Pro

Speed: 50-2500 rpm
Torque: 0.4-5.0 N·cm
Ratio of contra-angle: 6:1

Built in apex locator: Yes
Working mode: EAL, CW, CCW, LB, BB, SGP, ATR (LB, SGP and ATR: Forward & Reverse rotation angles are adjustable)

Charging base ×1
Handpiece ×1
Insulated contra-angle ×1
Wireless foot pedal ×1

Spray nozzle × 1
Measuring wire ×1
File clip ×4
Lip hook ×2

Meet Precision

Preloaded multi-brand file library + WiFi updates

Cloud-based storage for customized treatment plans

Advanced Smart Modes

BB Mode 90° intermittent rotation (1-second intervals) for efficient calcified canal negotiation

LB Mode Progressive reciprocation (5° incremental variation) for precise ledge bypassing

6-inch OLED Touchscreen
Highly responsive, even with gloves

Magnetic Fast-Charging Base
Up to 8-hour battery life

Custom Apex Alerts
20 preset memory slots for personalized settings

Brushless Motor

Smart A

Brushless Endo Motor

Equipped with Insulated Contra-angle

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

Scan for more details on website

SMART APP CONTROL AND VOICE CONTROL BY VIVI: MULTIPLE DEVICES SUPPORTED LIKE IPAD, IPHONE AND ANDROID PHONES

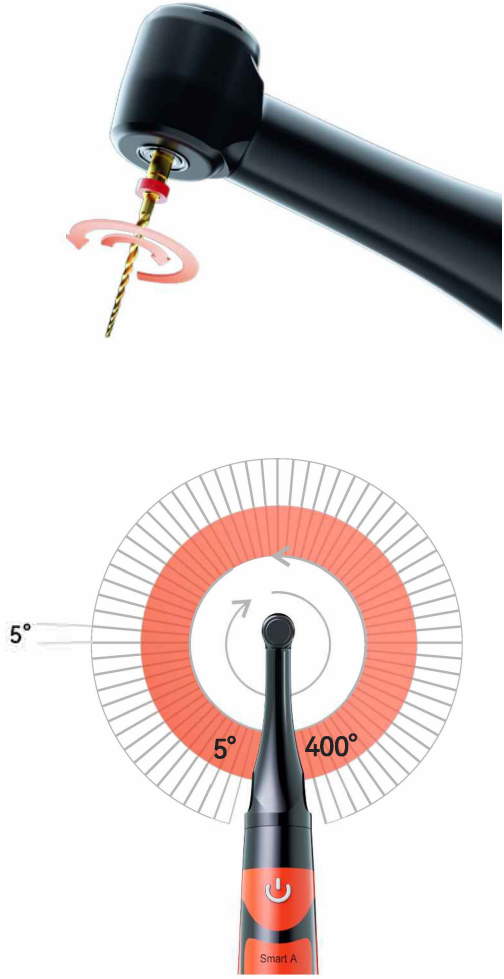
Customizable treatment plan: Files from different brands can be selected
Could storage of treatment report delivers personal customization
BB MODE & LB MODE

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: 100-2500 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: EAL, CW, CCW, REC(SGP), ATR, LB, BB
Battery: 700 mAh on handpiece, 2000 mAh×2pcs 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





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



- Speed: 50-2500 rpm
- 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(SGP), ATR, T-Mode, T-Mode+
- Battery: 2000 mAh

PERFECT PARTNER



360° rotatable
Super mini contra-angle x2

Larger operating field of view,
No dead angle in the treatment process

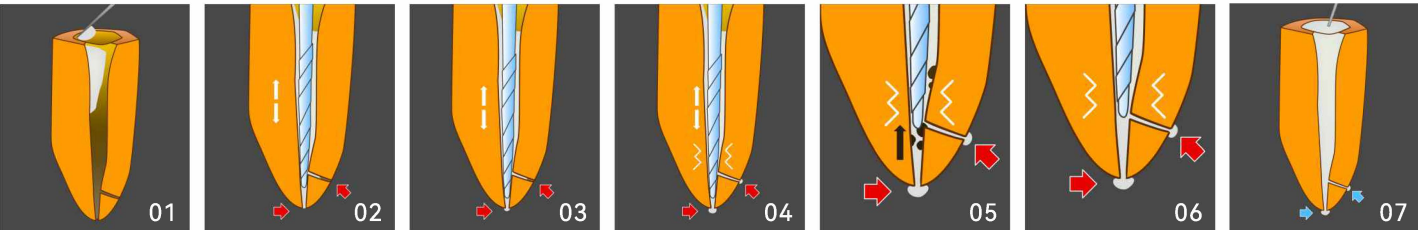
- Vertical charging base x1
- Horizontal charging base x1
- Motor handpiece x1
- Contra-angle x2
- Wireless pedal x1
- Spray nozzle x2
- Measuring wire x1
- File clip x4
- Lip hook x2



IDEAL FILLING OF SMALL ANATOMICAL SPACES

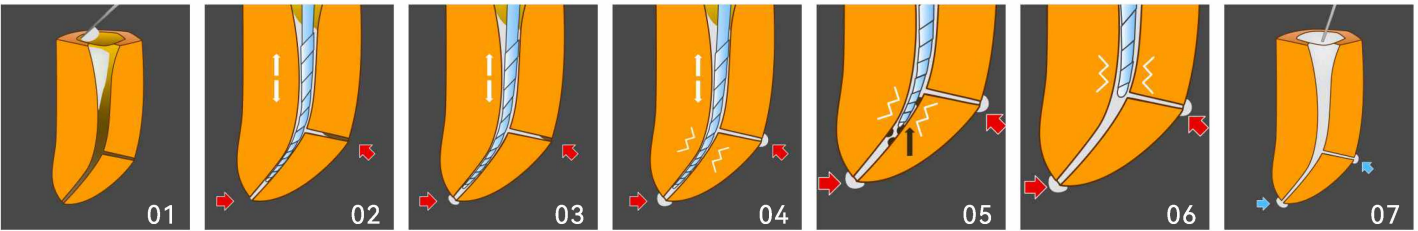
Comparison results: condensing MTA with T-Mode+ can achieve consistent filling of small anatomical spaces, no voids.
Select a rotary file smaller than the apical preparation size as a condenser.

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.

Ai-Motor

Brushless Endo Motor

Redesigned For Experts

Yoshi Terauchi



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.

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

Speed: 50-2500 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: EAL, CW, CCW, REC(SGP), ATR, 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



Scan for more details on website

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: EAL, CW, CCW, REC(SGP), ATR

Battery: 2000 mAh

Charging base ×1

Handpiece ×1

Contra-angle ×1

Spray nozzle ×1

Measuring wire ×1

File clip ×4

Lip hook ×2



Scan for more details on website



Endo Smart Pro

Brushless Endo Motor

Super mini head & slim neck

Stronger power

Precise rotation

Lower noise

Speed: 50-1800rpm

Torque: 0.4-5.0 N·cm

Ratio of contra-angle: 6:1

Weight with CA: 159.1g

Built in apex locator: Yes

Working mode: EAL, CW, CCW, REC(SGP), ATR

Battery: 2000 mAh

Charging base ×1

Handpiece ×1

Contra-angle ×1

Spray nozzle ×1

Measuring wire ×1

File clip ×4

Lip hook ×2



Scan for more details on website



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

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: EAL, CW, CCW, REC(SGP), ATR

Battery: 1200mAh(Handpiece)/2600mAh(Main unit)

Charging base ×1

Handpiece ×1

Contra-angle ×1

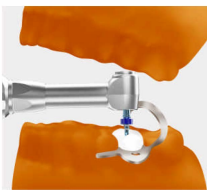
Spray nozzle ×1

Measuring wire ×1

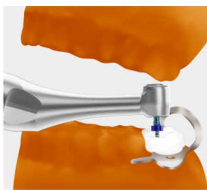
File clip ×4

Lip hook ×2

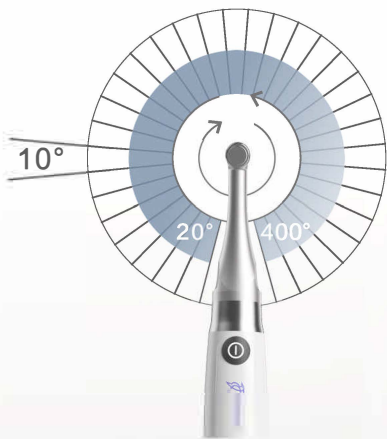
USB wire ×1



Head and neck of ordinary contra-angle



Head and neck of Woodpecker super-mini contra-angle



Scan for more details on website

Endo Radar Pro ARI

ARI Mode by
Dr. Carlos García Puente
Dr. Alejandro Jaime



Carlos García Puente

Alejandro Jaime

Integrated software that dynamically controls torsional stress during reciprocation

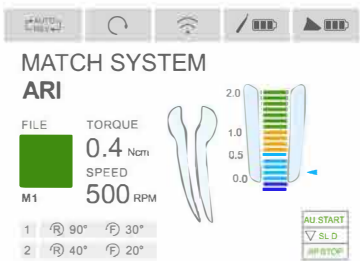
Effectively prevents instruments from fracturing and getting stuck in the canal

Allows for more efficient and safer preparation

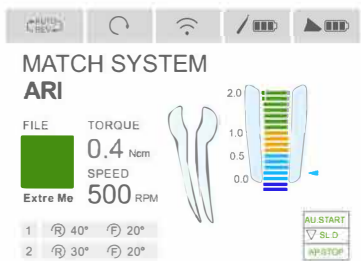
Adaptive Reciprocation Intelligent

- The process begins with angles preselected (Setting 1).
- When the resistance in the canal exceeds the preset torque limit, ARI automatically adjusts to a smaller angle (Setting 2).
- This movement continues until the resistance encountered is less than the established torque, at which point the instrument automatically returns to Setting 1.

ARI M1



ARI Extreme For the glide path or very narrow canals.



Scan for more details on website

Endo Pace & Endo Free

Brushless Endo Motor

Feather Light Only 106.8g

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: 100-1500rpm

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: CW, CCW, REC(SGP), ATR

Battery: 850 mAh

Base ×1

Handpiece ×1

Contra-angle ×1

Spray nozzle ×1

Connection cable ×1



Scan for more details on website

Endo Smart+

Brushless Endo Motor

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: 100-1800rpm

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: CW, CCW, REC(SGP), ATR

Battery: 2000 mAh

Charging base ×1

Handpiece ×1

Contra-angle ×1

Spray nozzle ×1

Connection cable ×1



Scan for more details on website



MotoPex

Brushless Endo Motor

Super mini head & slim neck

Stronger power

Precise rotation

Lower noise

Balanced weight

Speed: 100-1800rpm

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: CW, CCW, REC(SGP), ATR, EAL

Battery: 2000 mAh



Scan for more details on website

Charging base ×1

Handpiece ×1

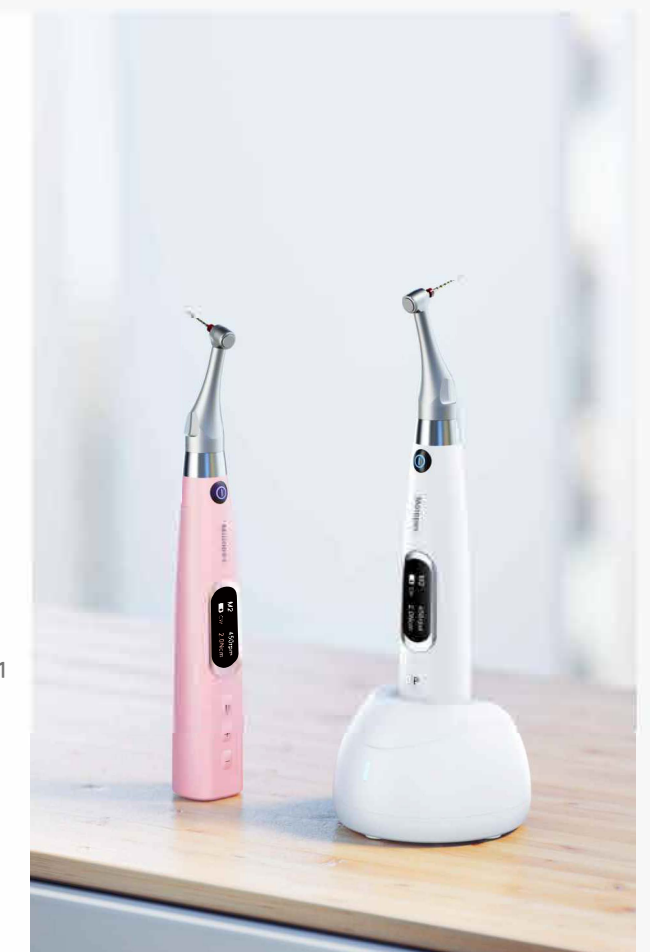
Contra-angle ×1

Spray nozzle ×1

Measuring wire ×1

File clip ×4

Lip hook ×2



TFRK

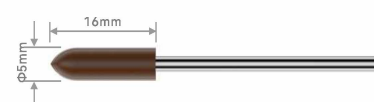
Terauchi File Removal Kit



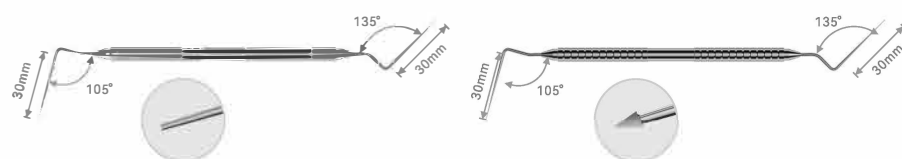
Loop Device: TFRK-L ×1



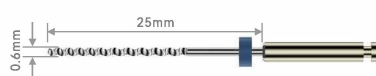
Polishing Point ×1



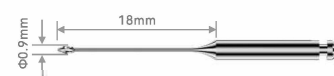
Explorer ×2



Rotary File ×2



K-ENDO (K6 N60 2%L25)



Modified Gates Glidden Drill #3(MGG #3)

Micro-Trephine ×1

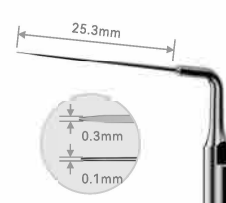


TFRK-MT

Bendable Ultrasonic Tips ×3



TFRK-S(ED87)



TFRK-Katana V(ED88)



TFRK-Katana H(ED89)



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BFRT

Broken File Removal Tips | Dr. Yoshi Terauchi



Scan for more details on website

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

ED87 TFRK-S

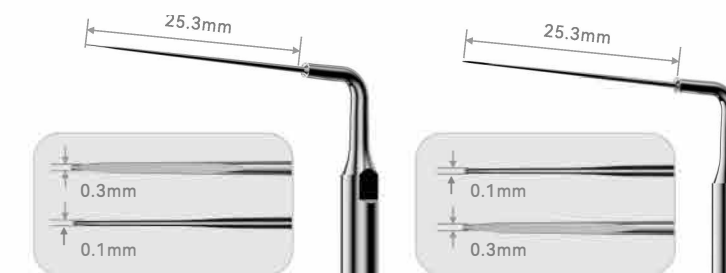
The tip is characterized by an extremely sharp cone-shaped head: 0.1 mm diameter and 0.01 taper(can be pre-curved according to the degrees of the root canal curvature).

- 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).

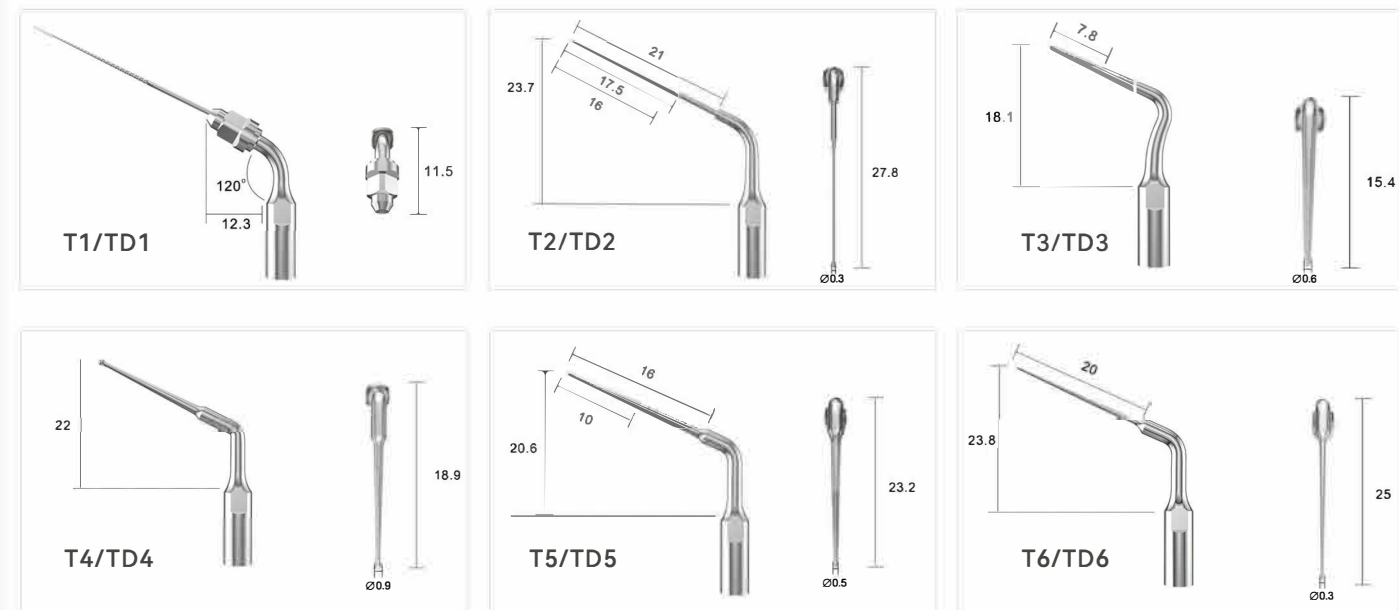
- Feature: Create a 90-degree semicircular grooved space



Dr. Tala's Endo Kit

Endodontic Ultrasonic Tips By Dr. Talal Al-Nahlawi

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



Dr Talal's Endo Kits
Demo Videos

ALTAQI KIT PIEZO ENDO SURGERY

One Kit, One Device, For Apical Success

Designed By Dr.

Zakir Almagi



Scan for more details on website



Piezo tip*

Tips description

Clinical application

Localizer



Ball shape tip ,1.8mm in width, 2mm in length, Diamond-coated(100µm) for micrometric osteotomy

To localize the root apex, to do the osteotomy step during apical surgery procedure, to finalize the osteotomy or on thin bone and/or near delicate anatomic structures

B. Cutter



Straight bone cutter tip, 2.6mm in width, 0.4mm thickness, Osteotomy: with great precision in anatomically thin structures

For Window technique, osteotomy around the root

R. Cutter



Straight root cutter tip, 10.5mm in length, 0.5mm thickness and 1.3 in width. Sharp tip for root resection, high precession for root end cut

For root end resection, osteotomy around the root

Shaver



Diamond-coated(100µm) tip, 2mm in width, 4mm in length, 0.6mm thickness for smoothing and finishing the root surface after resection. For refining and smoothing the bony socket after osteotomy

For smoothing the root surface after root end resection and smoothing the bony socket after osteotomy

Shaper 3



Diamond-coated(40µm) tip for apical root debridement and retro prep, the length of the diamond-coated on tip is (3.0mm)

For retro prep of root canal after root resection

Shaper 6



Diamond-coated(40µm) tip for apical root debridement and retro prep, the length of the diamond-coated on tip is (6.0mm)

For retro prep of root canal after root resection when more prep length is needed

Shaper L



Diamond-coated(40µm) tip for apical root debridement and retro prep with Left angle 90°, the length of the diamond-coated on tip is (3.0mm)

For retro prep of root canal after root resection in posterior left side with difficult access to the root specifically molars

Shaper R



Diamond-coated(40µm) tip for apical root debridement and retro prep with right angle 90°, the length of the diamond-coated on tip is (3.0mm)

For retro prep of root canal after root resection in posterior right side with difficult access to the root specifically molars

Woodpex X MHN



Woodpex X series	Woodpex X MHN	Woodpex X
Mode	AL Mode, MHN Mode	AL Mode
MHN Explorer Probe	✓	✗

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

Not autoclavable:
Measuring wire ×1

Autoclavable:
File clip ×4
Apex Locator Probe ×2
MHN explorer probe ×1
Lip hook ×5



Developed With
Prof.dr. Mohammad Hossein Nekoofar

Scan for more details on website

Dpex X MHN



Dpex X series	Dpex X MHN	Dpex X
Mode	AL Mode, MHN Mode	AL Mode
MHN Explorer Probe	✓	✗

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

Not autoclavable:
Measuring wire ×1

Autoclavable:
File clip ×4
Apex Locator Probe ×2
MHN explorer probe ×1
Lip hook ×5

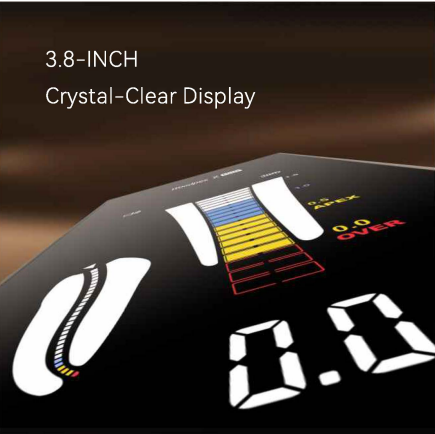
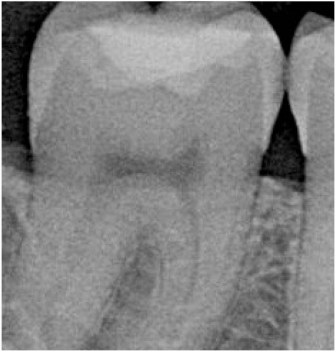
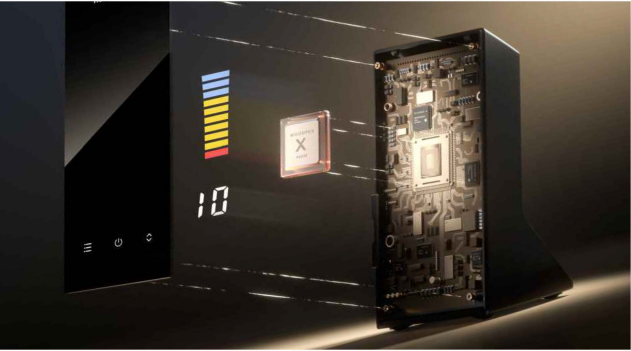


Scan for more details on website

Micro Hole Negotiator

Advanced Electronic Technology
for Measuring Capacitance Values

Locating The Calcified Root Canal Orifices
The MHN mode allows for the effective location of pulp chambers,
even when they are partially calcified and present as disc-like structures,
and also helps in finding the orifices of calcified canals.



Dual-button,
Double Convenience

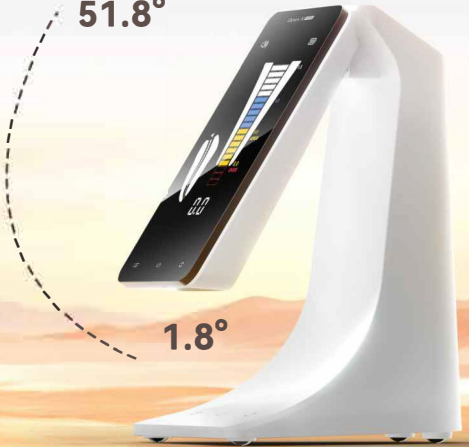
Unlike traditional apex locators,
our device features operation buttons on both the
screen and base, providing enhanced ease of use and
greater efficiency. Control at your fingertips, anytime!



Adjustable Screen For Maximum Comfort

Tilt the screen from **+1.8° to 51.8°**
and stop it at your preferred angle.

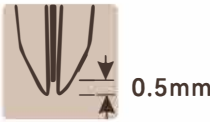
Reduce neck and back strain during
procedures and stay
focused on precision.



2 Sound levels



Apical stop set



Sleep mode



Woodpex V Apex Locator

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 6 times

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

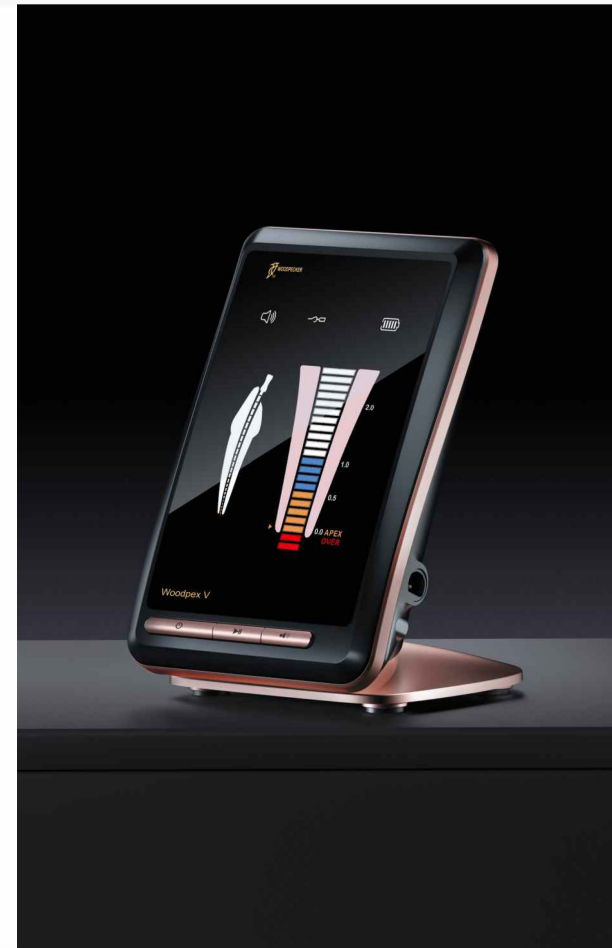
File clip ×4

Lip hook ×5

Probe ×2



Scan for more details on website



Ai-Pex Apex Locator

Highly recommended by *Arnold Castellano*

Apex Locator



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



Scan for more details on website



Dpex V Apex Locator

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 6 times

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: 138mm×77mm×107mm

Weight: 385g

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

Screen: 4.5" LCD

File clip ×4

Lip hook ×5

Probe ×2



Scan for more details on website



Minipex Apex Locator

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

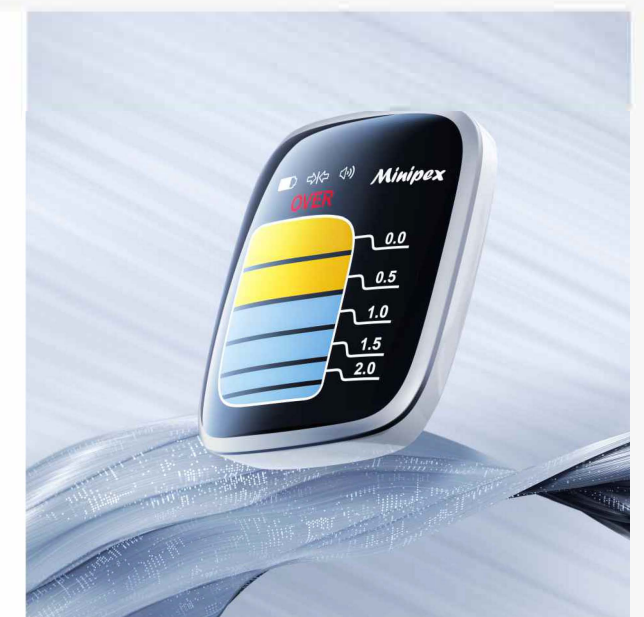
File clip ×2

Lip hook ×2

Probe ×1



Scan for more details on website





Fi-P

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

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)

Type	Diameter	Taper	
WP4004	0.40mm	0.04	Main unit ×1 Charging base ×1 Power adapter ×1 WP4004 tip ×1 WP4504 tip ×1 WP5506 tip ×1 WP5508 tip ×1
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

- 15 seconds fast heating
- 0.5mm injection needle
- Prevent gutta-percha leakage 360 rotatable needle
- Pushing ram with anti-return structure

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)

Type	Size	Length	
20G 22mm	20G	22mm	Main unit ×1
20G 24mm	20G	24mm	Charging base ×1
20G 28mm	20G	28mm	Power adapter ×1
23G 24mm	23G	24mm	23G 24mm needle ×1
23G 28mm	23G	28mm	23G 28mm needle ×1
25G 24mm	25G	24mm	25G 24mm needle ×2

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



Scan for more details on website



Scan for more details on website

Gutta Percha Obturation Device



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.



Scan for more details on website



Endo 3

Ultrasonic Endo Activate Device

Versatile Smart User-friendly



Three power levels available: E1, E2, E3

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

User-friendly ring switch button

Clear LCD screen

Wireless control: Magnetic suction contact charging

Smart microcomputer control: Microcomputer automatic control is adopted. The high-frequency oscillation signal is generated by the high-frequency oscillation circuit and acts on the handpiece head, making the tip resonate by ultrasonic vibration stimulation.

Size: 173.8mm×25.8mm×35.8mm

Weight: 78g

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

Output tip vibration frequency: 40kHz±10kHz

Standard configuration: E96×2, E99×2, E70, E71×10

High configuration: E96×2, E99×2, E70×2, E71×10, E72×10

Compatible tips: E70, E71, E72, E73, E74, E93, E95, E96, E97, E98, E99



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ABC AIRSTREAM BIOFILM CLEARANCE

What is ABC?

ABC stands for Airstream Biofilm Clearance, indicating a biofilm-clearance oral hygiene protocol. It holds the concept of "prevention outweighs treatment", emphasizing the control of biofilm in periodontal care. Through regular airstream, biofilm can be removed comprehensively and effectively, reducing the formation of calculus. Additional procedures such as ultrasonic scaling and polishing are employed to further optimize the oral environment.

What are the Advantages of ABC in Periodontal Treatment?



Visual and Clear

The use of biofilm discloser can clearly show the location of biofilm in the oral cavity. This allows for the convenient and rapid removal of biofilm, and the cleaning effect is obvious.



Precise and Efficient

Airstream can precisely reach supragingival and subgingival areas of biofilm adhesion, ensuring thorough removal of biofilm throughout the oral cavity. Stubborn calculus can be removed with ultrasonic scaling. The combination of the two ensures high efficiency and comprehensive cleaning.



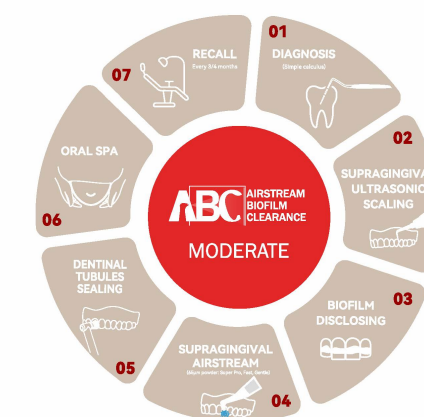
Painless and Comfortable

Airstream avoids excessive scaling that can damage tooth surfaces, gums, and root surfaces. When combined with the gentle vibrations of the Woodpecker ultrasonic alloy tips, the treatment is painless. This enhances patient comfort and satisfaction.

ABC Three Protocols



Simple



Moderate



Heavy



Scan for more details on website

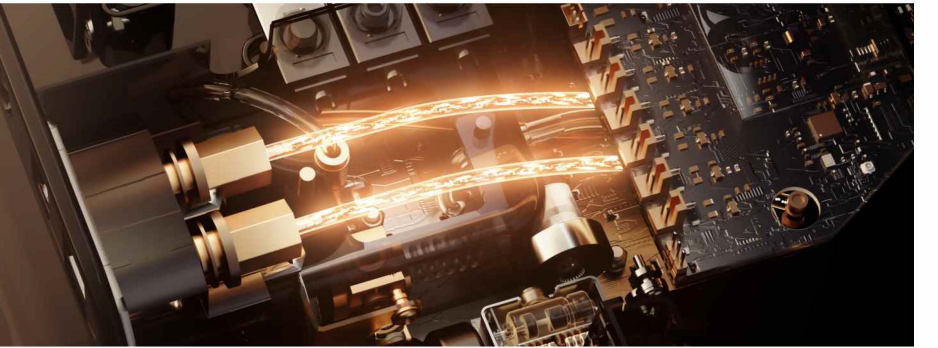
PT-E

Introducing the Future of Dental Care



Dual Heating System

Provides warm water for both ultrasonic and airstream functions, enhancing patient comfort.



New Airstream Nozzle Design

Even water distribution, low-noise operation, and enhanced patient experience.



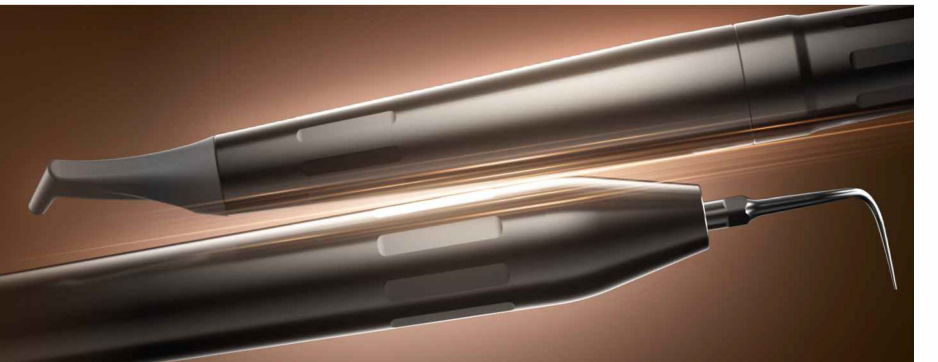
Advanced Airstream Handpiece with LED

Built-in LED for improved visibility and precision.



Titanium Alloy Handpiece

Lightweight, durable, and anti-slip for stable and comfortable grip.



Six Ultrasonic Modes:

Tailored for diverse clinical needs:

G Mode: Ultra scaling, Soft scaling
P Mode: Perio, Implant maintenance
E Mode: Endo, Irrigation



Illuminated Powder Container:

LED lighting differentiates powder types for easier identification, streamlining clinical operations:

White light: sodium bicarbonate powder

Green light: erythritol or glycine powder



PT-B

Five - in - One

Comfort Reigns Convenience Rules

- Airstream
- Ultrasonic restoration preparation
- Periodontal treatment
- Endodontic treatment
- Implant maintenance



STATE-OF-THE-ART PERIO TREATMENT PROTOCOL

Airstream

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

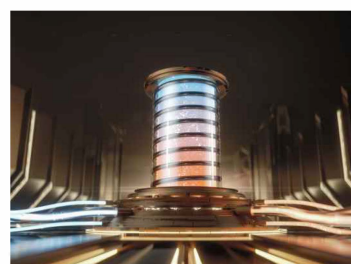
Three modules: G P E

Four functions:

Periodontal treatment Endodontic treatment

Cavity preparation Implant maintenance

To offer a one-stop ultrasonic solution



Efficient temperature control for maximum comfort



Wireless foot pedal for easy control



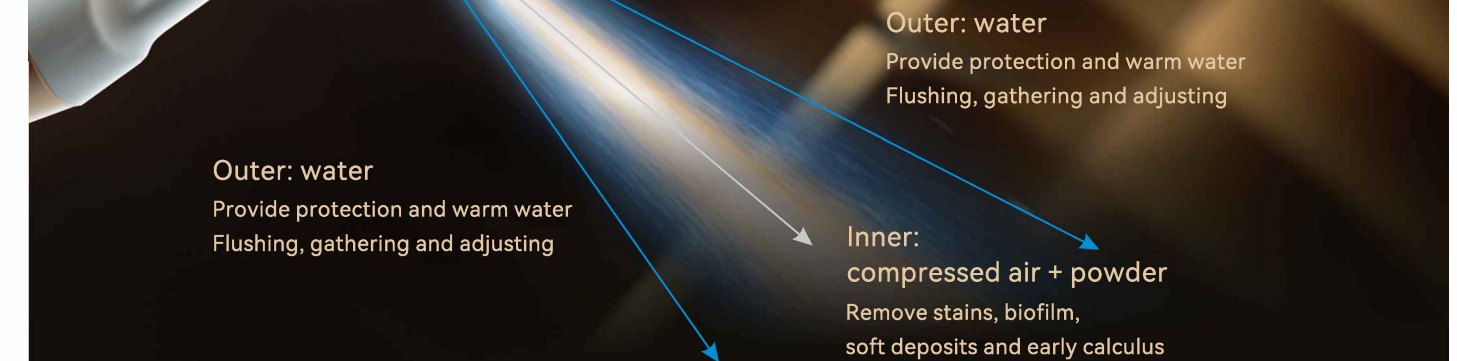
Ultra HD screen for clear display



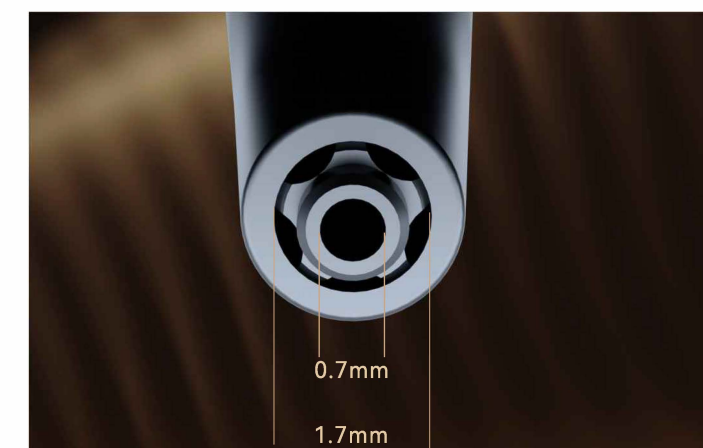
Automatic identification of scaling mode

ADVANCED HANDPIECE DESIGN

All-metal and light handpiece
Added durability and comfort



Three-section detachable handpiece, easy for unclogging and cleaning



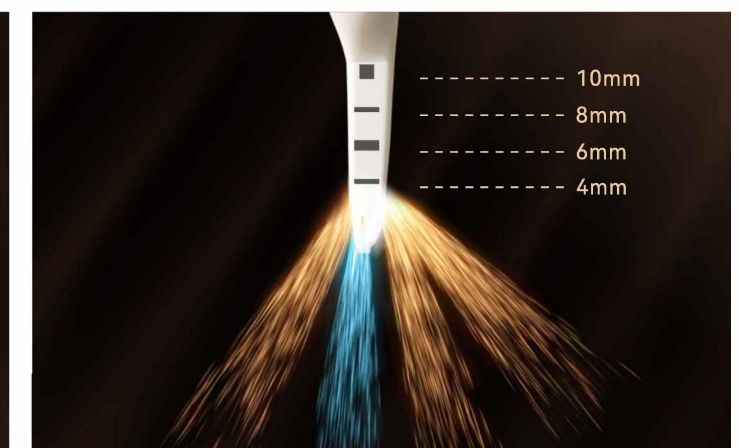
Supragingival handpiece

0.7mm small calibre nozzle, more concentrated airstream, more efficient scaling

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

Fluid dynamics simulation design enables gentle 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

PT-A

Dental Scaler and Air polisher

35 Chinese Patents 5 Invention Patents

Airstream + Ultrasonic periodontal treatment +

Endodontic treatment+ Implant maintenance

Efficient and comfortable biofilm 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: P33 × 2, P50L × 2, P50R × 2, P56 × 2,
P59 × 2, P94 × 1, P95 × 1, E60 × 2

Airstream handpiece (AP-1/AP-2) × 2

Powder container ×2

Prophylaxis powder ×2

Water reservoir ×2

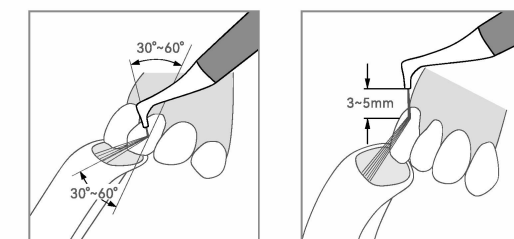


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Biofilm control

Small-caliber nozzle, more concentrated airstream, and more efficient biofilm removal.

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



Recommended angle:
30°~60°

Recommended distance:
3~5mm

Three-section airstream handpiece, easier for cleaning

Lightweight handpiece

Longer service life



SUPER PRO

65µm erythritol
supragingival powder

Used for the removal of supragingival biofilm, stains 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 stains,
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 + Airstream
 Supragingival & subgingival mode
 Funnel-shaped powder container, more stable powder flow
 Auto identification of scaling mode
 Three-section airstream handpiece
 Small caliber nozzle
 Faster and more convenient scaling due to optimized tubing 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: P1 × 2 P3 × 1 P8 × 1 G1 × 1 G4 × 1
 Airstream handpiece (AP-1/AP-2) × 2
 Powder container × 2
 Prophylaxis powder × 2
 Water reservoir (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 container, more stable powder flow
 Three-section airstream handpiece
 Small caliber nozzle
 Faster and more convenient scaling due to optimized tubing 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
 Airstream handpiece (AP-1/AP-2) × 2
 Powder container × 2
 Prophylaxis powder × 2
 Water reservoir (700mL/1500mL) × 2
 Needle × 2



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AP-H (Plus)

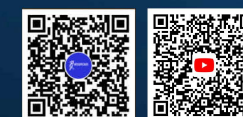
Dental Air Polishing Handpiece

Two-in-one: Supragingival & subgingival mode
 0.7mm small caliber nozzle
 Three-section airstream 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



Scan for more details on website

AP-P (Pro)

Dental Air Polishing Handpiece

Fully transparent external powder chamber coupled with a silver-metal cap

Two-in-one: Supragingival & subgingival mode

0.7mm small caliber nozzle

Three-section airstream handpiece

360° rotatable and bendable subgingival nozzle

Built-in one-way valve for efficient anti-suck back

Input water pressure: 1bar to 2bar (0.1-0.2MPa)

Input air pressure: 3bar to 4bar (0.3-0.4MPa)

Working mode: continuous operation

Dimensions L × W × H: 197mm × 47.5mm × 92mm

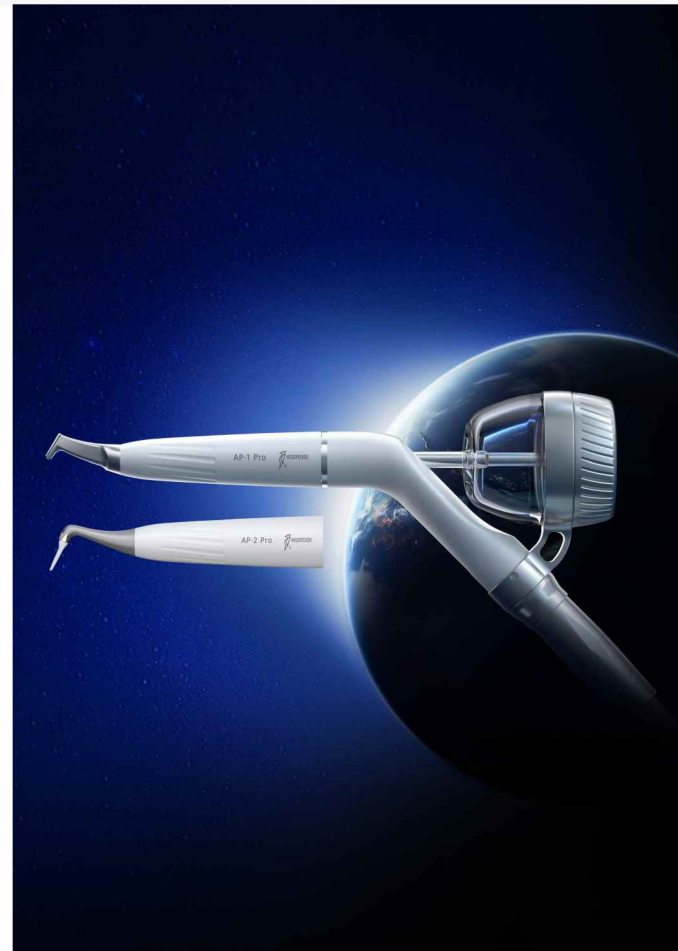
Total weight: 133g

Powder chamber (main unit) × 1

Handpiece (AP-1 Pro) × 1

Handpiece (AP-2 Pro) × 1

Needle (long & short) × 2



Prophy Mini

Upgraded Brushless Prophy Motor

- 2 adjustable speed value settings allow quick switching to the desired speed, making it more convenient to use
- 6 speeds optional: 500r/min, 1000r/min, 1500r/min, 2000r/min, 2500r/min, 3000r/min
- High-quality brushless motor without noise
- 850mAh large capacity battery
- Detachable body, autoclavable connector
- The connector can be rotated for 360°, adapted to the polishing of teeth in different positions

Power source: Rechargeable lithium battery 3.6V, 850mAh

Speed range: 500-3000r/min

Tip hardness: 3.0N · cm

Motor component dimensions: Φ20mm x 145mm

Weight: 120g (with disposable prophy angle)

Connector x1

Base x1

Grease nipple x1

Motor component x1

Power adapter x1



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: ≤60um

Tip hardness: 30HRC (Titanium alloy tip hardness)

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



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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



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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.)

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

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

Intelligent Degenerative Feedback

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

Advanced US chip

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

D8 LED

Ultrasonic Scaler

RELIABLE ALLSTAR

GD1 × 1 GD4 × 1 GD5 × 1
GD6 × 1 PD1 × 1 PD3 × 1
PD4D × 1 ED60 × 1



Scan for more details on website



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

Top-notch Handpiece

- 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

Automatic Water Supply System

- 900mL 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.)

Waterless Mode Design

- One-touch switching between water mode and waterless mode
- Accommodates various tip requirements
- Enhanced operational efficiency for a smoother user 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

Intelligent Degenerative Feedback

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

Advanced US chip

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

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

G4 x2 G12 x2 P1 x2 P3 x2 P8 x2 E60 x2 E62 x2

Standard configuration

G4 x1 G12 x1 P1 x1 P3 x1 P8 x1 E60 x1 E62 x1



Scan for more details on website

U600 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:175mm x 144mm x 77mm

G4 x2 P1 x1 P3 x1 P8 x1 E62 x2



Scan for more details on website

U6 LED

Ultrasonic Scaler



D600 LED

Ultrasonic Scaler

Pleasant & Efficient

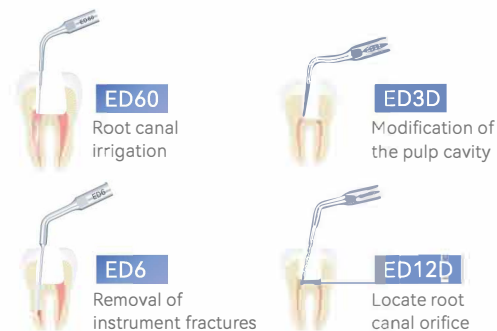


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Ultrasonic Endodontic Expert

Rapid preparation, root canal orifice locating, removal of foreign body in root canal, endodontic irrigation, root canal retreatment, supragingival scaling and periodontal treatment.

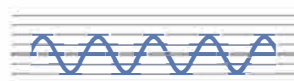
Compatible with more than 70 DTE tips.
Metal handpiece with LED can be autoclaved.



Sine-wave Drive

Avoid stimulation caused by instantaneous current output. Bring patients with comfortable treatment. Embody comfortable scaling.

D600 mild sine wave power output



S6 LED

Ultrasonic Scaler



Scan for more details on website

Ultrasonic Endodontic Expert

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: 650g
Dimensions: 195 mm x 180mm x 74mm

GD5 x1 GD12 x1 PD4 x1 PD7 x1 PD12 x1 ED60 x2

Woodpecker reserves the rights to change the tips configuration without further notice

UDS-E LED



UDS-K LED



D7 LED



D6 LED



UDS-P LED



UDS-J (NO CE)



D5 LED



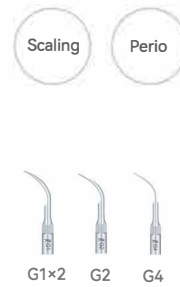
D3 LED



UDS-A LED



UDS-B



D2 LED



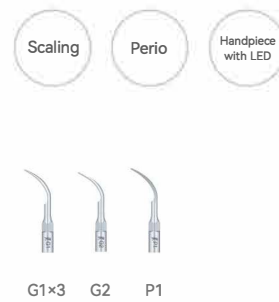
D1



UDS-L LED



UDS-J2 LED



V6 LED



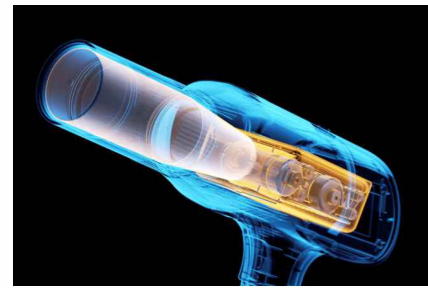
V2 LED



Ai Ray

Dental X-Ray Device

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



High-frequency DC High Voltage Generator



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

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: 2500mAh*3S*2P
Dimension: 363.8mm×114mm×245.6mm
Weight: 2.4KG

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



Scan for more details on website

Faster More stable Clearer

Mini Ray

Power Meets Clarity



Parameters:

Tube voltage: 70kV
Tube current: 2mA
DC high frequency
Battery capacity: 2500mAh*3S
Size/length, width and height: 338*112*247mm
Weight: 2.2Kg



Scan for more details on website

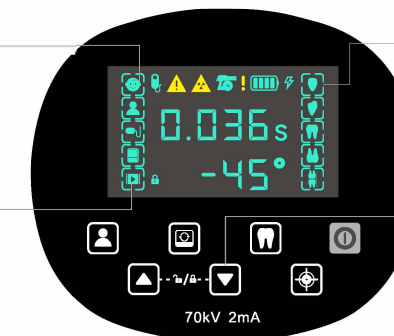
5+3+2, Fitting to Diverse Shooting Needs with Ease



Two target groups:
Child/Adult



Three device options:
Sensor/ Scanner/ Film



Five tooth position options:
Molar / Premolar / Incisor / Canine / Bite-wing

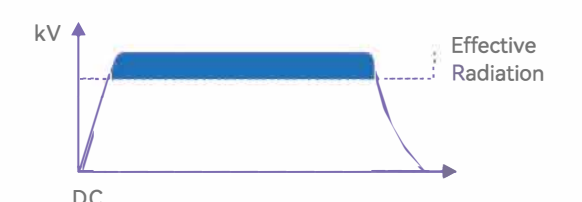
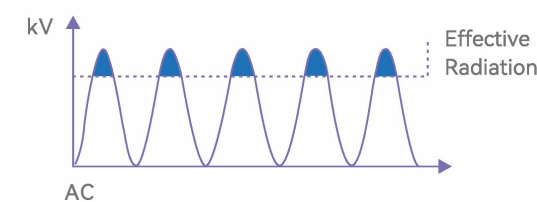


Upgraded Protection for Safer Use

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.



Smart Ray

Compact Lightweight Powerful



The Perfect Match Of Technology And Artistry

Inspired by classic SLR cameras, the lightweight design features an anti-slip texture and camera-style shutter button for comfort.

Concise UI Easy To Use

The 3.5-inch IPS touch screen offers sensitive touch and a simplified UI for easy operation and diverse options.

360° panoramic Shooting

Achieves 360-degree rotation in both directions to meet the shooting needs of various tooth positions.

High-frequency X-ray Tube

Innovative technology ensures stable x-ray output and superior imaging quality.

Maximum Performance Effortless Shooting

With 140W ultra-high power, efficient shooting reduces exposure time and avoids multi-images, delivering crystal-clear, high-definition details.

Advanced USA Chips

Advanced USA chips ensure stable output and reduce the impact of low battery on x-ray quality.

Real-time Display Of Grip Angle

USA angle sensor displays real-time grip angle, allowing calibration for patient posture to ensure optimal imaging quality.

Comprehensive Protection

Maximum Safety

With 99.9% pure lead shielding and a 20cm focus-to-limiter distance, radiation leakage is minimized to 0.05mGy/h, ensuring maximum operator safety.

Long-lasting Battery

2500mAhx3S lithium battery delivers 500+ shots per charge for extended performance.

Super Fast Charging

48W charging power
1h fast full charge
Less time waste, higher work efficiency

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*3S
Dimension: 240mmx161mmx143mm
Weight: 2.1KG



Scan for more details on website

i-Scan

IMAGING PLATE SCANNER



Main unit power input: DC 15V 3.2A
 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%
 Dimensions: 138×245.5×290.2mm
 Weight: 5KG

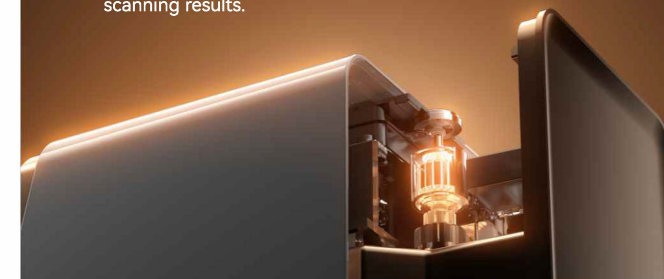
Main unit ×1
 Power adapter ×1
 Storage box of IP imaging plate ×1
 U disk ×1



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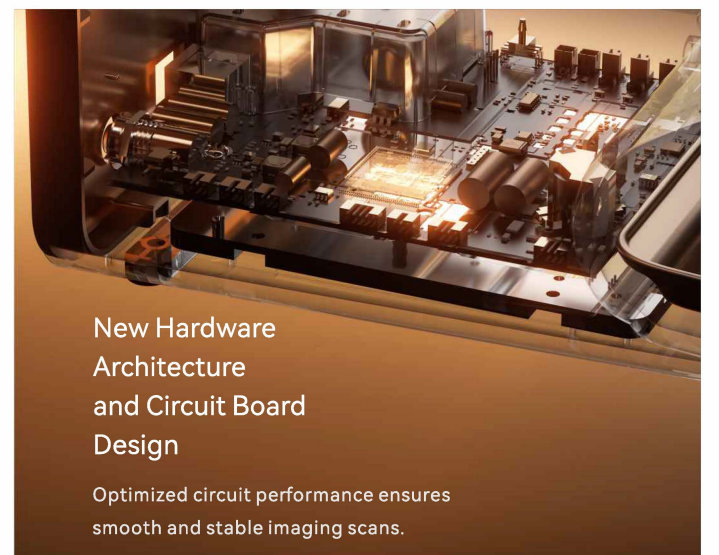
High-Performance Brushless Motor

High-speed scanning at tens of thousands of RPMs with extended lifespan.
 Newly upgraded brushless motor minimizes the impact of temperature, humidity, and vibration on imaging, delivering long-lasting, stable scanning results.



New Hardware Architecture and Circuit Board Design

Optimized circuit performance ensures smooth and stable imaging scans.



AMD Heterogeneous Ultra-Fast CPU with Advanced AI Processing Power

- Seamless multitasking with parallel execution
- Effortlessly handles complex high-definition image processing algorithms
- Substantial enhancement in image processing capacity and speed
- Experience an ultra-smooth operation



Intelligent Patient Database

Manage patient information easily without a computer connection, build a personalized X-Ray image database, and retrieve data with enhanced convenience.



Intelligent IP Configuration

Wired connections support both manual and automatic IP configuration, overcoming network environment constraints and enabling convenient operation.

Ethernet (Wired)	
Wired IP	192.168.137.114
Wired Network Card	
DHCP	Manual
IP	192.168.137.114
Subnet Mask	255.255.255.0
Gateway	172.20.88.1

Multiple Connection Options



Support

- ① Wired connection with adapter
- ② Direct wired connection
- ③ Wired connection via router
- ④ Wi-Fi connection.

The new connection solution ensures excellent stability, avoiding network fluctuations and guaranteeing efficient, stable data transmission.

Imaging Plate Scanner

Free Scan

Bringing you a fully-controlled
and intelligent image viewing experience



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

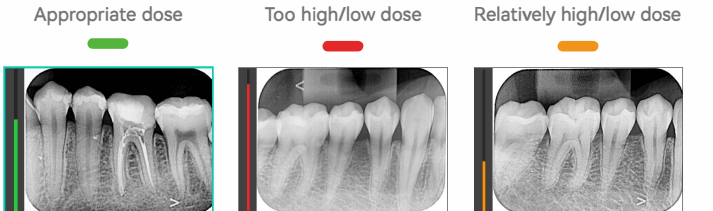
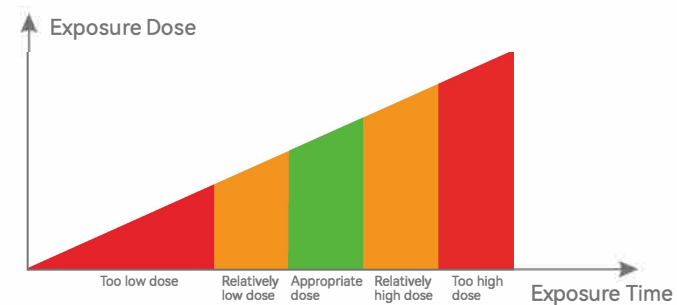
Compacted size of 0.046m² and space-saving position

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 imaging

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



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

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%
Dimensions: 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

i-Sensor

H1/H1.5/H2

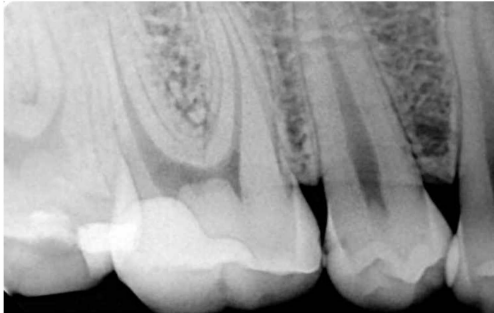
Clearer & More durable



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	USB 2.0	USB 2.0
Protection	IP68	IP68	IP68



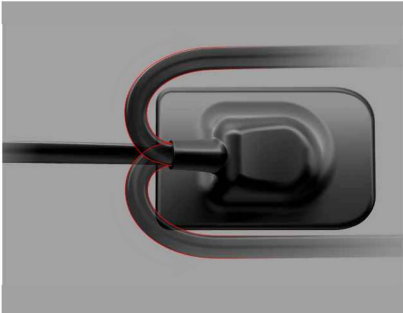
Scan for more details on website



Advanced imaging quality

Theoretical resolution of 25 lp/mm

Equipped with a 16-bit ADC chip and a 1.89M-pixel sensor, our system delivers 60,000+ grayscale levels, 25 lp/mm resolution, and exceptional clarity for subtle details like root apex bifurcation.



Enhanced durability and reliability

With over 80,000 bending tests, the i-Sensor's durable CNC shell and ultrasonic welding provide a lightweight design and IP 68 protection, allowing immersion in disinfectant for infection prevention.



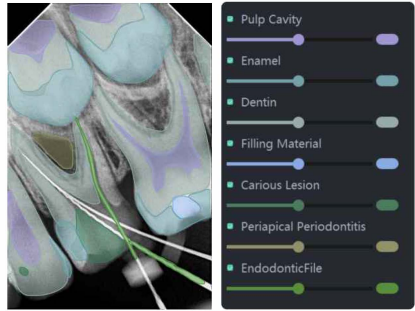
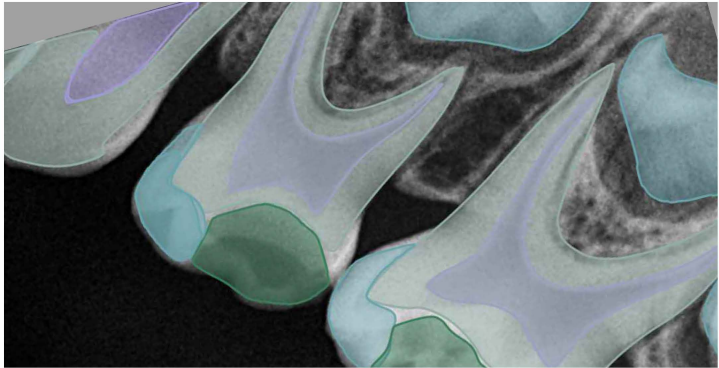
4.5mm Ultra-slim design

Designed with 4.5mm cut-corners for easy placement, the i-Sensor enhances user experience and simplifies vertical bitewing radiographs.

Ai-Dental: Making it Impossible to Hide Diagnostic Issues

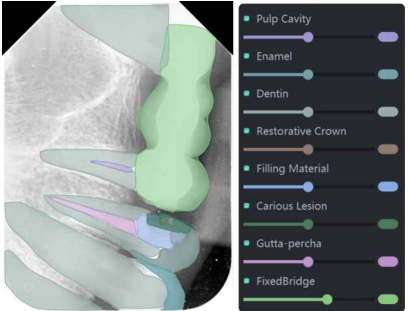
Accurate Identification of Three Tooth Structures

The Ai-Dental diagnostic system automatically analyzes tooth structures, clearly identifying permanent and deciduous teeth.



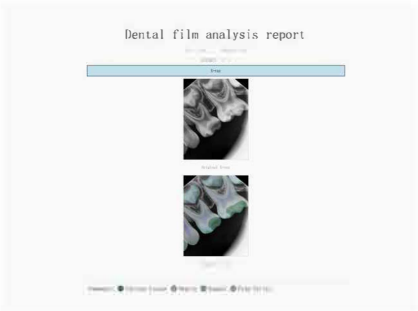
Intelligent Detection of Common Dental Diseases

Ai-Dental accurately detects and marks common dental issues like carious lesions and periapical periodontitis, providing key data for treatment.



Color-Coded Marking and Issues Display

The system uses color-coded markings to highlight affected areas, helping doctors quickly locate issues.



One-Click Tooth Report Generation

Patients can access detailed dental reports for better oral health management.

D-Laser *Blue*

Innovative Three Wavelengths
Blue Semiconductor Laser Therapy Device



D-Laser *Blue* D-Laser **16**

Scan for more details on website



LX16 Plus

Innovative Three Wavelengths
Blue Semiconductor Laser Therapy Device



LX16 Plus LX16

Scan for more details on website



"MIX" wavelength feature:

- 1. Any two or three wavelengths can be selected to emit for work simultaneously.
- 2. Optimized laser performance by leveraging the unique advantages of each wavelength to meet diverse treatment needs effectively.

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.

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
QCW: Pulse Wave, Frequency range 1 Hz to 20 kHz

Aiming beam

650±20 nm/ Pmax <5mW

Battery

11.1V / 2600mAh ×2 (57.7Wh)

All accessories available



Wavelengths & optical power

976±20 nm: Pmax = 16W
650±20 nm: Pmax = 200mW

Emission modes

CW: Continuous Wave
QCW: Pulse Wave, Frequency range 1 Hz to 20 kHz

Laser system

976 nm: Class IV;
650 nm: Class II (according to IEC 60825-1)

Aiming beam

650±20 nm/ Pmax <5mW

Battery

11.1V / 2600mAh ×2 (57.7Wh)

LX16

A New Generation of High Power
Dental Diode Laser



D-Laser *16*

A New Generation of High Power
Dental Diode Laser



53

54

ES5

Dental Surgical Motor

Sterile Efficient Convenient



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

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	14.1mm x Ø8.7mm
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%

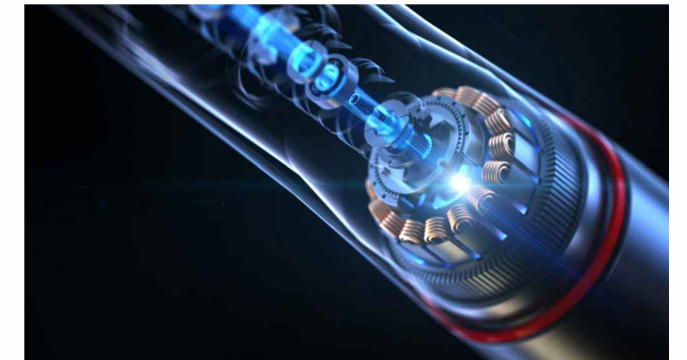
Higher cutting efficiency than the turbine on the same bovine tooth

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

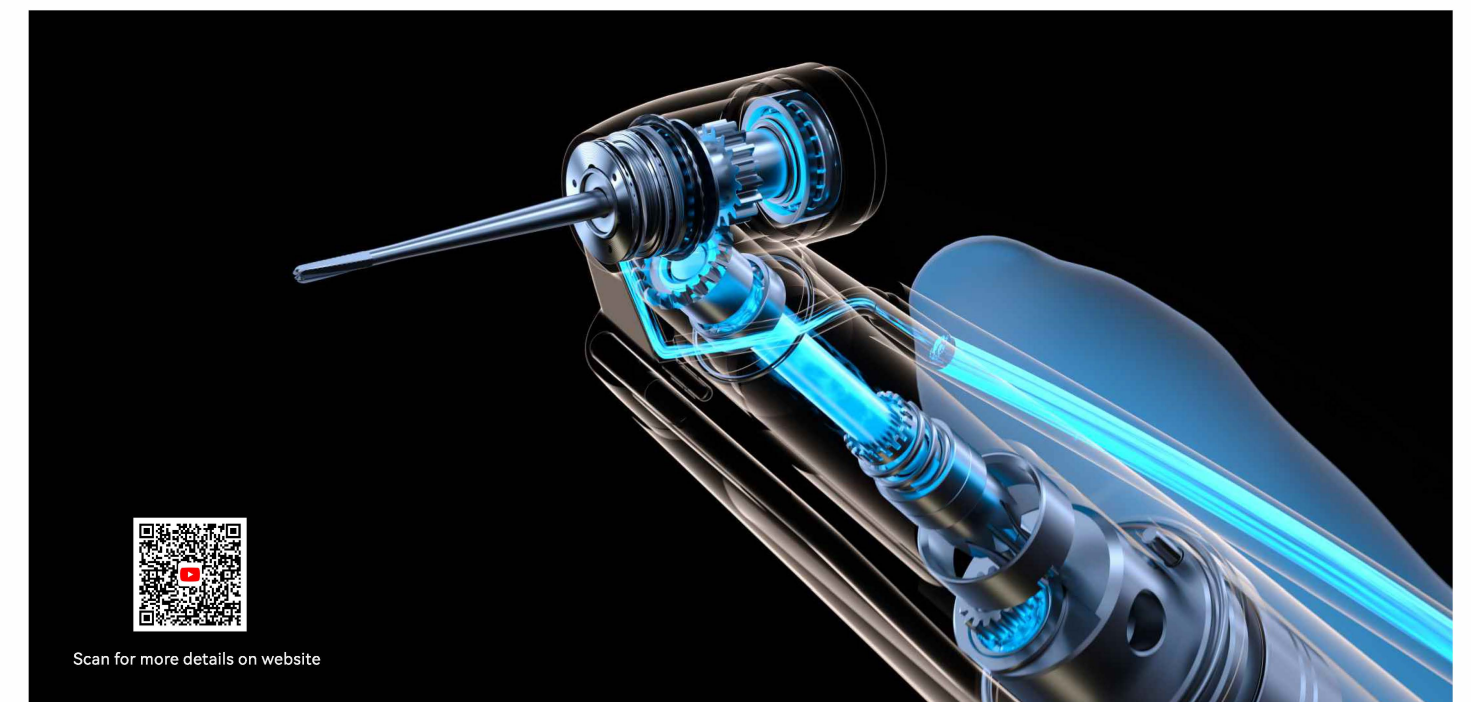
VERSATILE SURGICAL MOTOR

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 surgeryt

GERMAN BEARING

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

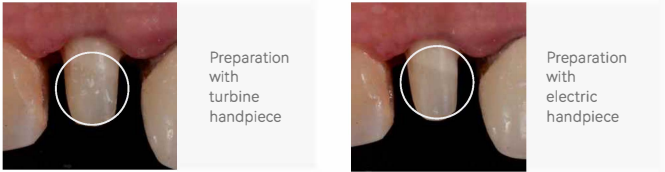


Scan for more details on website

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

Constant speed & torque with low vibration
Long service life and quiet operation
16:1, 1:1, 1:4.2 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



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

Motor speed range: 1000~41000 rpm
(With 1:5 speed-increasing contra-angle, the maximum speed can reach 205000 RPM.)
Max torque: 3.5N · cm
Bur offset: < 1.3μm
Compatible contra-angle: 16:1; 1:1; 1:4.2, 1:5 (standard)
Motor size: Φ22×76.7mm
Motor weight: 68g

MT2
Dental Electric Motor



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Ai-Surgery & 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

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

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



Scan for more details on website

M2 Pro

Brushless Dental Electric Motor (Built-in)

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

Motor speed range: 2000~40000 rpm
(With 1:5 speed-increasing contra-angle, the maximum speed can reach 200000 RPM.)
Max torque: 3.5N · cm
Compatible contra-angle: 16:1; 1:1; 1:5 (standard)
Motor size: Φ22×76.7mm
Motor weight: 68g



Scan for more details on website



Surgic Star

3 in 1

Implant Motor + Surgical Motor + Piezosurgery
meet the full range of needs in daily practice



Scan for more details on website

- The 3 in 1 Advanced Surgery Center: Implant Motor+ Surgical Motor+ Piezosurgery Unit
- One-touch program switching makes it more convenient to use
- User-friendly voice reminder enhances operation safety
- Multifunctional compact device saves clinic's space

Implant

5 convenient preset programs: Marking, Pilot Drilling, Template Drilling, Implanting, Rinsing

Surgical

- Precise and adjustable speed significantly reduced heat generation and enhanced stability for the most accurate cutting possible
- High-performance brushless motor with exceptional torque, minimal noise, extended lifespan, and negligible vibration

Piezo

- Minimally invasive cutting actions effectively reduce surgical trauma leading to improved post-operative recovery
- Precise Cut: Safely removing hard tissue without harming the surrounding soft tissue
- Experience a more efficient performance with the power of multiple piezoelectric ceramic rings delivering high-frequency vibration

- STAR: Smart Tip Automatic Recognition
- Dual Irrigation Supply Systems
- Intuitive Bicolor Interface

Bicolor interface helps to easily distinguish different modes:

Blue: Implant Motor + Surgical Motor



Green: Piezosurgery



Real-time output display
Intuitive interface enhances user experience

ACCESSORIES Motor Handpiece for Implant Motor + Surgical Motor

Ultrasonic Handpiece for Piezosurgery Upgraded 14 tips, high efficiency and precision

SS2 High-effectiveness osteotomy on the maxilla and mandible	SS3 Osteotomy of high precision in anatomically thin structures	SS5 For osteoplasty or harvesting of bone particles or chips
SS6 Osteotomy of high precision in anatomically thin structures	SS11L Left angle 90°, circumferential teeth, for osteotomy in special bone positions	SS11R Right angle 90°, circumferential teeth, for osteotomy in special bone positions
SS18 Extremely thin, for efficient osteotomy and also for apex resection	SL1 Tip angle 120°. For maxillary sinus membrane detachment and elevation without damaging the maxillary sinus mucosa	SL2 For detachment of the maxillary sinus mucosa
SL3 Diamond-coated tip for non-traumatic osteotomy close to soft tissue and sensitive areas	SE16 Diamond-coated tip for root-end preparation	SC1 For minimally invasive removal of ligaments and root surgery
SC5 For minimally invasive cutting of ligaments and gap increase in tooth extraction, especially suitable for the extraction of wisdom teeth with an oblique angle	SP7 Diamond-coated tip for fine osteoplasty	

Contra-angle for implanting

Model	WP-1L
Speed Ratio	20:1
Max Speed	2100r/min
Warranty	1 year
Bearing	German bearing
Light	LED

Contra-angle for cutting

Model	WJ-SG45CL Optional	WJ-11L Optional	WJ-45L Optional	WJ-45TL Optional
Speed Ratio	1:3 increasing	1:1 direct drive	1:4.2 increasing	1:5 increasing
Max Speed	126000r/min	42000r/min	176400r/min	210000r/min
Warranty	1 year	1 year	1 year	1 year
Bearing	German ceramic bearing	German ceramic bearing	German ceramic bearing	German ceramic bearing
Head Dimension	Mini head (14.1X8.7mm)	Mini head (13.6x8.2mm)	Mini head (14.2×8.7mm)	Mini head (13.7×8.7mm)

SPECIFICATIONS

Power-supply Voltage: 100V-240V~ 50HZ/60Hz 180VA Dimension: 267mm × 284mm × 136mm
Frequency: 24kHz~36kHz Torque Range: Torque range for 20:1 contra-angle: 5N·cm-80N·cm Speed Range: 300-42,000r/min

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 150VA
Main unit size: 276 mmx267 mmx110mm
Main unit weight: 2.8kg

Handpiecex2
Tips:
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



Surgery-X

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 150VA
Main unit size: 276 mmx267 mmx110mm
Main unit weight: 2.8kg

Handpiece x 2
Tips:
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

Power-supply voltage: ~100V-240V 50Hz/60Hz 120VA
Frequency: 24kHz~ 36kHz
Main unit weight: 3. 1kg
Dimensions: 330mmx 254mmx 167mm

Handpiece ×1
Tips: US1 ×1, US2 ×1, US4 ×1, US5 ×1, UL3 ×1, UC1 ×1



DS-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

Power-supply voltage: ~100V-240V 50Hz/60Hz 120VA
Frequency: 24kHz~ 36kHz
Main unit weight: 3. 1kg
Dimensions: 330mmx 254mmx 167mm

Handpiece ×1
Tips: US1 ×1, US2 ×1, US4 ×1, US5 ×1, UL3 ×1, UC1 ×1



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



Handpiece ×1
US1 ×1, US2 ×1, US4 ×1, UC1 ×1, UL1 ×1, UL4 ×1



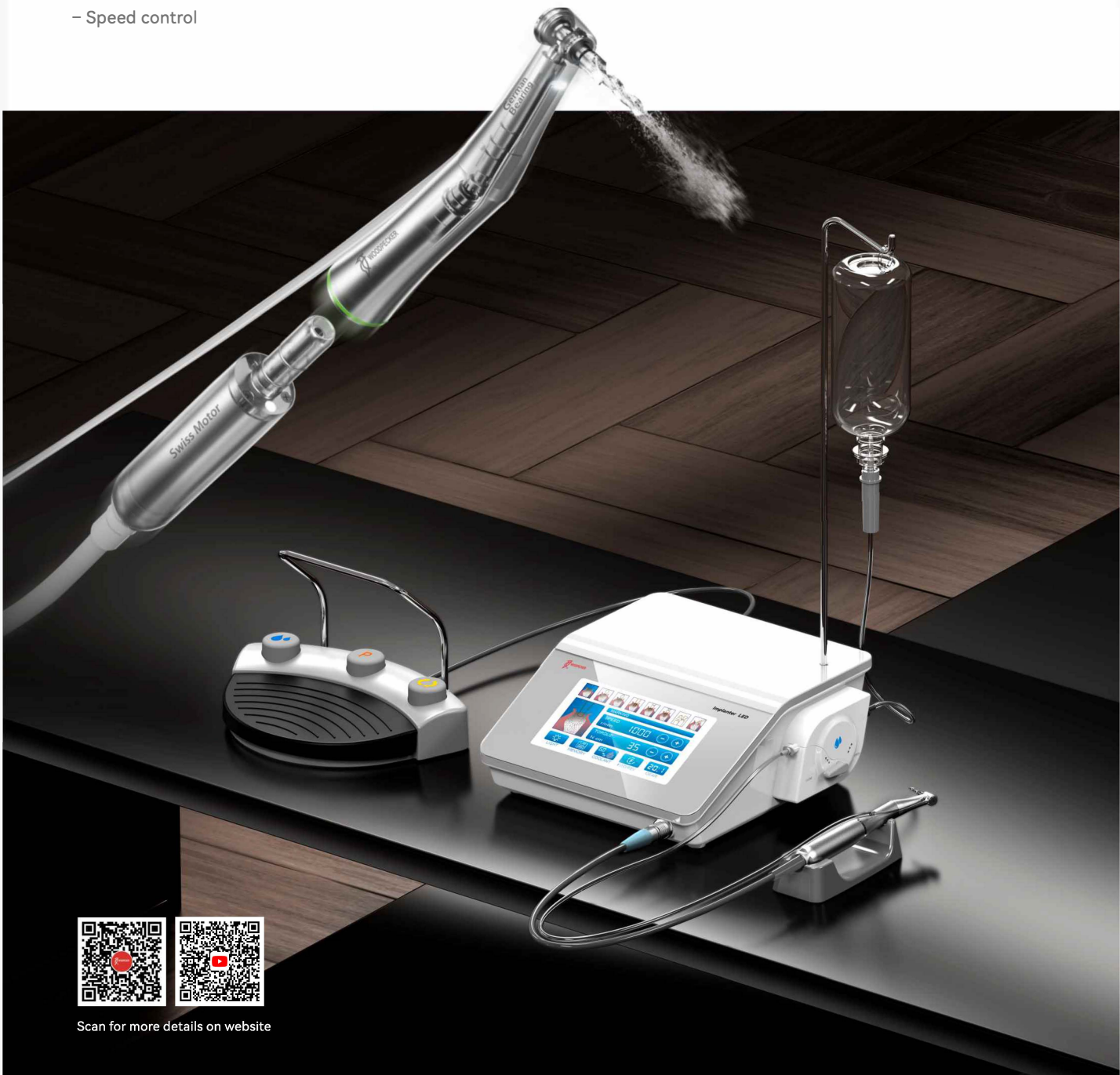
Implanter LED

8 customizable programs
Adjustable 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: Φ21.5mm*L110mm
Motor Weight: 140g

Configuration
20:1 Contra-angle handpiece × 1



Scan for more details on website

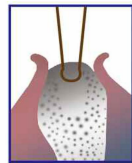
Implant-X

SWISS MOTOR
5.5N·cm motor torque can guarantee 80N·cm torque output
GERMANY BEARING (OPTIONAL)
The swing amplitude of contra-angle is less than 0.02mm



Simulated implanting procedures

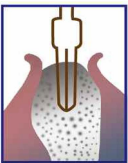
Preset parameter of each procedure eliminates extra setting during operation.



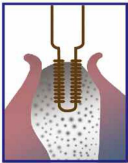
Round bur



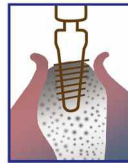
Pilot drill



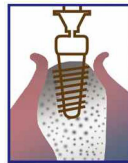
Reamer



Tapping drill



Implanting



Screw in healing abutment



User-defined mode



Irrigation mode

Smart touching system

7-inch LCD screen
Ultrasensitive touch control
Match contra-angles of different gear ratio
16:1 20:1 27:1 1:1 1:2 1:2.7 1:3 1:4.2 1:5

Better holding feeling

Ergonomic design of contra-angle balances with the weight of motor, guaranteeing better holding.



Speed range
300–40,000r/min



Torque range (20:1)
5N·cm–80N·cm



Maximum water volume
135mL/min



Motor size
φ21.5mm*L110mm



Motor weight
140g



Scan for more details on website



Implant Air

Dental Implant Unit
PRECISE RELIABLE SIMPLE

20:1 Contra-angle handpiece× 1
Dimensions: 155mm×167mm×227mm
Speed range: 300-42000rpm
Motor size: Φ21.5mm×L110mm
Torque range: (20:1) 5N·cm- 80N·cm
Max water volume: 135mL/min
Motor weight: 140g

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



Scan for more details on website

Star Pen

Dental Anesthesia Device
AI algorithm control
Precise drug delivery

AI algorithm control
Computer-controlled automatic injection
Drug delivery at constant speed and low pressure
Precise control of injection speed
Remaining drug display accuracy up to **0.02ml**
Injection speed lower than that inducing patient's pain
Bring comfortable and painless experience

Two adjustable injection speeds

Doctors can choose different speed modes according to habits, making treatment more convenient and faster.

Mode	Time to inject 1 cartridge anesthetic
H	35s -150s
L	160s-320s



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

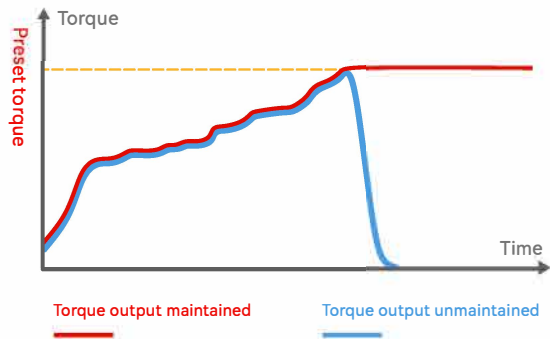
The torque output will continue with a preset value, ensuring that the implant placement torque reaches the preset target with higher accuracy.

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



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.



One-button speed mode switching
More flexible

Long press button to switch
speed modes during injection

No consumables More economical

USA medical material
High durability and clarity
Cartridge holder can be autoclaved thousands of times
More cost-efficient

Wireless charging

Handpiece adopts wireless charging design.
Handpiece can be charged by placing it on the base, convenient and durable.

Intelligent prompts Soothing music

Set up the speed mode voice prompt, injection status voice prompt, and injection status indicator prompt, more convenient for doctors to operate.
Accompanying calm music in injection brings patients a relaxing and comfortable treatment experience.



Scan for more details on website

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
Dimensions: 22mm ×22mm ×146mm

Cartridge holder ×8



Scan for more details on website

HP Series Dental Turbine Handpiece

Model	HP33 (Large Head)		HP22 (Standard Head)		HP11 (Miniature Head)		HP13 (45° Head)
	NL, KL	M4, B2, N, K	NL, KL	M4, B2, N, K	NL, KL	M4, B2, N, K	M4, B2
Light	Optical Fiber	/	Optical Fiber	/	Optical Fiber	/	/
Chuck	Push-button		Push-button		Push-button		Push-button
Chuck	Φ12 x13.1 mm		Φ11.2 x13.1 mm		Φ10.2 x12.1 mm		Φ12 x13.2mm
Air Pressure	0.25-0.30MPa		0.22-0.27MPa		0.20-0.25MPa		0.25-0.30MPa
Water Pressure	0.08-0.2MPa		0.08-0.2MPa		0.08-0.2MPa		0.08-0.2MPa
Speed	280000-450000r/min		280000-450000r/min		280000-450000r/min		280000-450000r/min

German Ceramic Bearing
More wear-resistant bearing retainer, longer lifespan

Well Sealed Clamping Structure
World's first patented technology, avoids cross-infection

Glass Optical Fiber
Provides brighter illumination, offering a clearer surgical field

Austenitic Stainless Steel Body
Longer Durability

Striped Pattern
Comfortable grip, easy to clean

Triple Spray
Water-air separation
360° all-around cooling

Thickened front end edge of the head
Better impact resistance, reducing the risk of damage



Scan for more details on website



X-Star

Unlimited Curing Solution

- Φ12mm Lens Diameter
- 13 LED Chips: 1 violet, 8 blue, and 4 white chips
- Upgraded Light Head
- Aerospace-grade Aluminum Body
- All-in-One Solution with 8 Working Modes:
Normal High Turbo Ortho Soft Pulse Check Diagnosis

Diagnosis Mode

Emits white light for additional lighting in the posterior area, detecting cracked teeth, distinguishing between natural teeth and dentures, and comparing resin and tooth colors.Long press the Standby button in any interface to start the white light diagnosis mode

Less Heat for Gentle Care

Pulsed output mode Less Heat- In Less Heat, while ensuring the curing depth of ≥4mm in just 10 seconds, the temperature is significantly lower compared to the constant output (STD Heat), bringing patients a safer and more comfortable treatment experience.

Powerful Penetration for Effortless Curing

In challenging light positioning scenarios, the X-Star compensates for slight movements during the curing process, delivering high curing depth.

Wireless Charging Base With Built-in Light Meter

- Point Cure Lens
- Diffuser Lens
- Spare Batteries

Wavelength: 380nm-515nm
Light intensity: 1000mW/cm²~ 3000mW/cm²
Light Head: 360° rotatable metal light head
Power: 15W
Chip: 8 blue, 1 violet and 4 white LED chips

Lens Diameter: 12mm
Irradiation Area: 113mm²
Handpiece Weight: 108g
Handpiece Material: Aerospace-grade Aluminum Body
Battery Capacity: 2000mAh×2Charging
Base: Wireless charging base with built-in light meter,
LCD screen displays light intensity value
BatteLj Life: 10 seconds/cure, two batteries for a total of 1200 uses



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

- Normal High Turbo Ortho Soft Pulse Check.

Wireless charging base with built-in light meter

Dual buttons

OLED screen

Less heat for gentle care

- New pulsed output mode Less Heat- While ensuring a 10 second curing depth of ≥4mm, the temperature is significantly reduced compared to the constant output (STD Heat), bringing patients a safer and more comfortable treatment experience.

Wavelength: 380nm-515nm
Maximum Light Intensity: 3000mW/cm²
Light Head: 360° rotatable metal light head
Power: 10W
Chip: 24 blue and 5 purple LED chips
Lens Diameter: 10mm
Irradiation Area: 78mm²
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



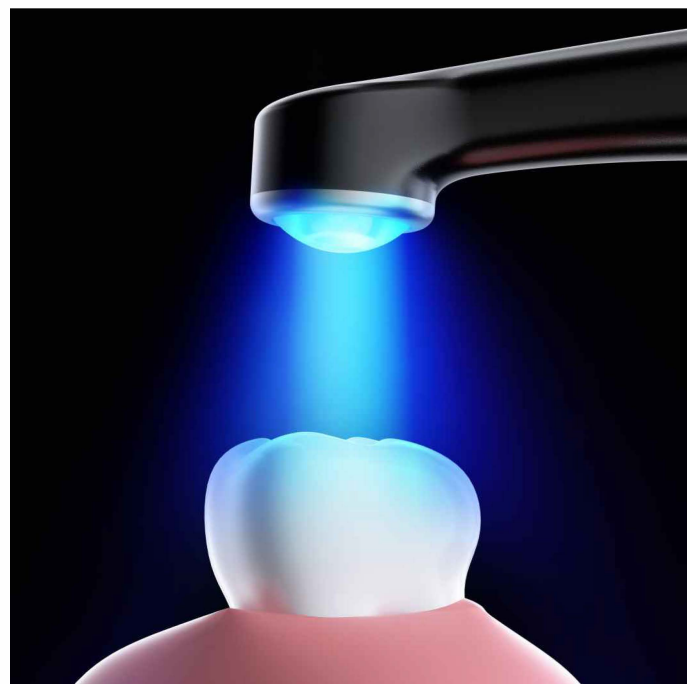
1sec for curing

Ultrahigh light intensity, in maximum 3000mW/cm²
Applicable for all polymerizing resins
Integrated light meter, easy to monitor

Multiple 7 work modes

Turbo: 1/3s. (2,700~3,000 mW/cm²)
High: 3/5s. (1,800~2,000 mW/cm²)
Ortho: 3/5/10s. one-touch cycles(2,700~3,000 mW/cm²)
Normal: 5/10/15/20s. (1,000~1,200 mW/cm²)
Soft: 5/10/15/20s. (1,000~1,200 mW/cm²)
Pulse: 5/10/15/20s. (1,000~1,200 mW/cm²)
Check: 30/60s. (300 - 500 mW/cm²)

Wavelength range: 380nm~515nm
Maximum Light Intensity: 3000mW/cm²
Weight: 108g
High-capacity battery: 2000mAh
Display: OLED Display
Dimensions: 23x23x204mm



Scan for more details on website

U-Light

More Reliable Curing Light
Upgraded Focused Light Output
Less Light Loss

Maximum light intensity: 3000mW/cm²
Wavelength range: 380nm~515nm
Weight: 126g
High-capacity battery: 2200mAh
10mm-diameter lens

3 Modes

Turbo: 1/3s, 2700~3000mW/cm²
High: 3/5s, 1800~2000mW/cm²
Normal: 5/10/15/20s 1000~1200mW/cm²



B-Cure Plus

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

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

Maximum light intensity: 3000 mW/cm²
Wavelength range: 380nm~515nm
Weight: 128g
High-capacity battery: 750mAh (2 batteries)
Dimensions: 262.5mm×45mm×28.5mm

V V Light

1 Sec Curing
Light intensity up to 2500mW/cm²

360° rotatable metal head
Focused light output
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: 1000~1200mW/cm²
High: 2300~2500mW/cm²
Soft: 1000~1200mW/cm²
Pulse: 1000~1200mW/cm²

Wavelength: 380nm~515nm
Light Head: 360° rotatable metal light head
Power: 10W
Power Supply: 24V~50Hz/60Hz
Handpiece Weight: 61g
Dimensions(LxWxH): 22x22.8x244mm
Warranty: 2 years



i Led II

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

Light intensity:1000mW/cm²~ 3000mW/cm²
Wavelength range: 380nm-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: 380nm-515nm
Weight: 278g
High-capacity battery: 1400mAh
Dimensions: 25×25×240mm
10mm-diameter lens

2 Modes
High: P1, 1/3s, 2300-2500 mW/cm²
Normal: P2, 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: 380nm-515nm
Weight: 278g
High-capacity battery: 1400mAh
Dimensions: 25×25×240mm
8mm-diameter lens

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



i Led plastic head

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



O-Light II

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

Light intensity:1000mW/cm²~ 3000mW/cm²
Wavelength range: 380nm-515nm
Weight: 131g
High-capacity battery: 2000mAh
Dimensions: 268.8mmx26.1mmx31.8mm

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



O-Light Max

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

Light intensity:1000mW/cm²~ 2500mW/cm²
Wavelength range: 380nm-515nm
High-capacity battery: 1400mAh

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



O-Light Plus

Upgraded focused light output
1 sec for curing
Upgraded wide spectrum
Upgraded light intensity

Light intensity:1000mW/cm²~ 2500mW/cm²
Wavelength range: 380nm-515nm
Weight: 131g
High-capacity battery: 1400mAh
Dimensions: 268.8mmx26.1mmx31.8mm

2 Modes
High: 1/3s, 2300-2500mW/cm²
Standard: 5/10/15/20s,
1000-1200 mW/cm²



O-Light plastic head

Constant current output
1 sec for curing
Strong penetration

Light intensity:1000mW/cm²~ 2500mW/cm²
Wavelength range: 420nm-480nm
Weight: 131g
High-capacity battery: 1400mAh
Dimensions: 268.8mmx26.1mmx31.8mm

2 Modes
High: 1/3s, 2300-2500mW/cm²
Standard: 5/10/15/20s,
1000-1200 mW/cm²



LED.F Pro

Constant light intensity
1 sec for curing
Ergonomic design

Light intensity: 1000mW/cm²~ 3000mW/cm²
Wavelength range: 380nm~515nm
Weight: 210g
High capacity battery: 2000mAh
Dimensions: 195mm×40mm×150mm

6 Modes

Normal: 5/10/15/20s, 1000~1200mW/cm²
High: 3/5s, 1800~2000mW/cm²
Turbo: 1/3s, 2700~3000mW/cm²
Ortho: 3s*5/3s*10, 2700~3000mW/cm²
Soft: 5/10/15/20s, 1000~1200mW/cm²
Pulse: 5/10/15/20s, 1000~1200mW/cm²



LED.F Plus

Constant light intensity
3 sec for curing
Ergonomic design

Light intensity:400mW/cm²~ 1800mW/cm²
Wavelength range: 380nm~515nm
Weight: 210g
High-capacity battery: 2000mAh
Dimensions: 195mm×40mm×150mm

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



LED.H ORTHO

Rapid orthodontics
Beveled light guide
Continuous work time

Light intensity: 1000mW/cm²~ 1800mW/cm²
Wavelength range: 380nm~515nm
Weight: 178g
High-capacity battery: 2200mAh
Dimensions: Φ25mm×252mm

2 Modes

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



LED.B

Time setting

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

Light intensity: 1000mW/cm²~ 1800mW/cm²
Wavelength range: 380nm~515nm
Weight: 145g
High-capacity battery: 2000mAh
Dimensions: 31mm×34mm×260mm



LED.E

Light intensity: 1000mW/cm²~1200mW/cm²
Wavelength range: 380nm~515nm
Weight: 147g
High-capacity battery: 1400mAh
Dimensions: 40mm×50mm×260mm



LED.D

3 Modes

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

Light intensity: 1000mW/cm²~1700mW/cm²
Wavelength range: 380nm~515nm
Weight: 143g
High-capacity battery: 1400mAh
Dimensions: 202mm×23mm×38mm



LED.C

3 Modes

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

Light intensity: 1000mW/cm² ~1200mW/cm²
Wavelength range: 380nm~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: 380nm~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: 380nm~515nm
Weight: 135g
Dimensions: 26mm×25mm×260mm



LED.Q (Built-in sealed)

Mode: Full

Time setting:
10/20/30s: 1000~1200mW/cm²

Light intensity: 1000mW/cm² ~1200mW/cm²
Wavelength range: 420nm~480nm
Weight: 127g
Dimensions: 248mm×26mm×26.5mm



MiniS

Time setting:

5/10/20s: 1000~1200mW/cm²

Light intensity: 1000mW/cm² ~1200mW/cm²
Wavelength range: 420nm~480nm
Weight: 105g
High-capacity battery: 1400mAh
Dimensions: 230mm×26mm×30mm



LUX E Plus

Especially suitable to solidify agglomerant of orthodontic bracket, veneer and post
Large capacity
Constant light intensity- Long life LED

3 Modes

Low: 5/10/15/20s, 800-1000mW/cm²
Middle: 5/10/15/20s, 1000-1200mW/cm²
High: 3/5s, 1400-1600mW/cm²

Light intensity: 800-1600mW/cm²
Wavelength range: 380nm-515nm
Weight: 141g
Dimensions: 260mmX40mmX50mm



LUX VI

3 Modes

Full power, Ramping, Pulse
Time setting:
5s: 1500-1700mW/cm²
10/15/20s: 1000-1200mW/cm²

Light intensity: 1000-1700mW/cm²
Wavelength range: 380nm-515nm
Weight: 100g
Dimensions: 234mmX26mmX26mm



BUILT-IN C

4 Modes

Normal: 5/10/15/20s, 1000-1200mW/cm²
Soft: 5/10/15/20s, 1000-1200mW/cm²
Pulse: 5/10/15/20s, 1000-1200mW/cm²

Light intensity: 1000mW/cm²~ 2500mW/cm²
Wavelength range: 380nm-515nm
Weight: 160g
Dimensions: Ø23mm×250mm



LUX V

3 Modes

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

Light intensity: 1000-1200mW/cm²
Wavelength range: 420nm-480nm
Weight: 85g
Dimensions: 263mmX31mmX23.5mm



LUX I

3 Modes

Full power, Ramping, Pulse
Time setting: 5s, 10s, 15s, 20s
Light intensity: 1800-2000mW/cm²
Wavelength range: 380nm-515nm
Weight: 230g
Dimensions: 79.5mmX79.5mmX261mm



BUILT-IN H

4 Modes

Normal: 5/10/15/20/30/40s, 1000-1200mW/cm²
Soft: 5/10/15/20/30/40s, 1000-1200mW/cm²
Pulse: 5/10/15/20/30/40s, 1000-1200mW/cm²

Light intensity: 1000mW/cm²~ 2500mW/cm²
Wavelength range: 380nm-515nm
Weight: 205g
Dimensions: 23.5mm×26mm×260mm



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 (14.2×8.7mm)
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: 44g
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

Handpiece for Ultrasonic Scaler

HD-8L Used for: DTE scaler with detachable handpiece. With light, better view, autoclavable. Complete metal-made body.



Weight: 62.33g
Dimensions: 114.36mm ×Φ19.1mm

HD-8H Used for: DTE scalers with detachable handpiece. without light.



Weight: 56g
Dimensions: 123mm ×Φ20.5mm

HD-7L Used for: DTE scalers with detachable handpiece, with light, better view, autoclavable.
Plastic head and metal head are optional.



Weight: 63g
Dimensions: 111mm ×Φ20.5mm



Weight: 57g
Dimensions: 111mm ×Φ20.5mm

HD-7H Used for: DTE scalers with detachable handpiece, without light, autoclavable.
Two colours optional (white/ blue).



Weight: 57g
Dimensions: 117mm ×Φ21mm



Weight: 57g
Dimensions: 117mm ×Φ21mm

HD-2L Used for: D2 LED, with light, better view, handpiece sleeve is autoclavable.
Three colours optional to the handpiece sleeve (green/ blue/ amethyst).

   Three colors for option



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

HD-1 Used for: D1/1.



Weight: 124g(+cable)
Dimensions: 125.7mm ×Φ18mm

Tips:

Scaling

G1/GD1



Supragingival scaling

G2/GD2



Supragingival scaling

G3/GD3



Supragingival scaling

G4/GD4



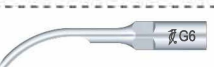
Supragingival scaling

G5/GD5



Supragingival scaling

G6/GD6



Supragingival scaling

G7/GD7



Remove dental crown

G8/GD8



Remove dental post, with irrigation

G9/GD9



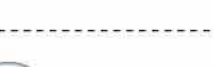
Supragingival scaling

G10/GD10



Supragingival scaling

G11/GD11



Orthodontic treatment

G12/GD12



Supragingival scaling

G20/GD20



Supragingival scaling

G21/GD21



Supragingival scaling

Scaling (Used for SIRONA)

GS1



Supragingival scaling

GS2



Supragingival scaling

GS3



Supragingival scaling

GS4



Supragingival scaling

GS5



Supragingival scaling

GS6



Supragingival scaling

GS7



Remove dental crown

GS8



Remove dental pile, with irrigation

Scaling (Used for KAVO)

GK1



Supragingival and subgingival scaling

GK2



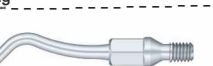
Supragingival and subgingival scaling

GK3



Supragingival and subgingival scaling

GK4



Supragingival and subgingival scaling

Scaling (Used for KAVO)

GK5



Supragingival and subgingival scaling

GK6



Supragingival and subgingival scaling

GK7



Supragingival and subgingival scaling

GK11



Orthodontic treatment

GK20



Used for grinding dentin

GK21



Used for finishing and polishing the prepared shoulder

GK60



Used to remove the supragingival, subgingival calculus and interdental calculus

GK61



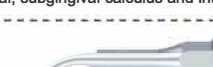
Used to remove the supragingival, subgingival calculus and interdental calculus

GK62



Used to remove the supragingival, subgingival calculus and interdental calculus

GC1



Supragingival and subgingival scaling

GC2



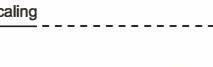
Supragingival and subgingival scaling

EK8



Burs holder, used to expand root canal and grind teeth

PC60



Used to remove the supragingival calculus of all teeth

PC61



Used for subgingival cleaning

PC62



Used to remove calculus in subgingival part and deep periodontal pockets

Periodontics

P1/PD1



Periodontal scaling

P2L/PD2L



Periodontal scaling

P2R/PD2R



Periodontal scaling

P2LD/PD2LD



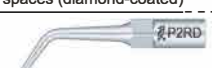
Remove calculus from narrow inter-root spaces (diamond-coated)

P2RD/PD2RD



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

P3/PD3



Periodontal scaling

P3L/PD3L



Periodontal scaling

P3R/PD3R



Periodontal scaling

P3D/PD3D



Polish root canal surface

P4/PD4



Periodontal scaling

P5/PD5



Periodontal scaling

Periodontics

P6/PD6



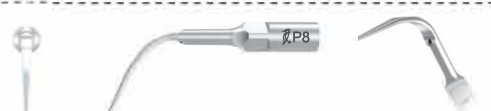
Periodontal scaling

P7/PD7



Periodontal scaling

P8



Periodontal scaling

P9



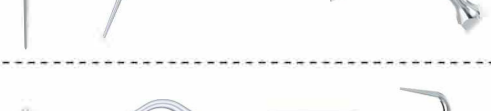
Periodontal scaling

P10/PD10



Periodontal scaling

P11/PD11



Periodontal scaling

P12/PD12



Periodontal scaling

P14L/PD14L



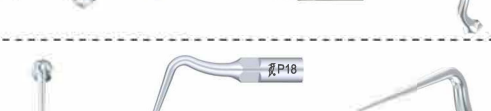
Periodontal scaling

P14R/PD14R



Periodontal scaling

P18/PD18



Periodontal scaling

P20/PD20



Periodontal scaling

P20L/PD20L



Periodontal scaling

P20R/PD20R



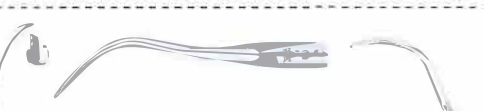
Periodontal scaling

P21L/PD21L



Periodontal scaling

P21R/PD21R



Periodontal scaling

P22L/PD22L



Periodontal scaling

P22R/PD22R



Periodontal scaling

P33/PD33



Periodontal scaling

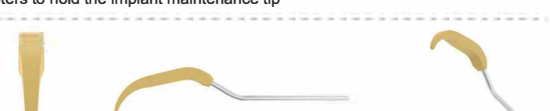
Periodontics

PD40



Used as adapters to hold the implant maintenance tip

PD41



For implant cleaning and maintenance

PD42



For implant cleaning and maintenance

PD43L



For implant cleaning and maintenance

PD43R



For implant cleaning and maintenance

Implant maintenance

P94/PD94



Used for implant cleaning and maintenance

P95/PD95



Used for implant cleaning and maintenance

P96L



Used for implant cleaning and maintenance

P96R



Used for implant cleaning and maintenance

P90/PD90



Used for implant cleaning and maintenance

Periodontics (Used for SIRONA)

PS1



Periodontal scaling

PS3



Periodontal scaling

PS4



Periodontal scaling

PS3D



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

Periodontics (Used for KAVO)

PC1



Subgingival scaling

Endodontics

E1/ED1



120°angle holder, for root canal cleaning

E2/ED2



95°angle holder, for root canal cleaning

E3/ED3



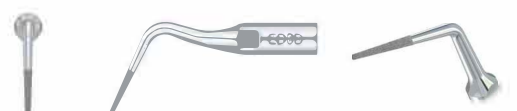
For the lateral thermal condensation of gutta-percha

E3D



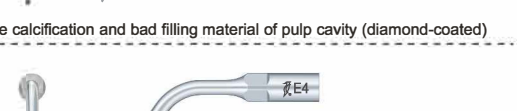
Used to remove the calcification and bad filling material of pulp cavity (diamond-coated)

ED3D



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

E4/ED4



Remove obstructions and broken instruments in the root canal

E4D/ED4D



For the retreatment and removal of hard material

E5/ED5

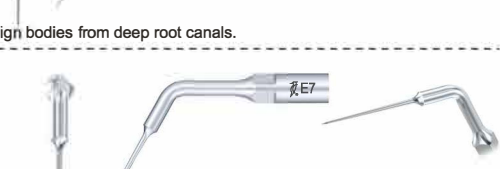
Remove root canal fillings and broken instruments in the coronal third

E5D/ED5D

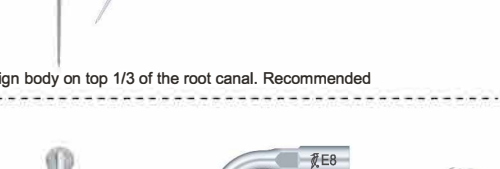
Remove dental overhangs in the pulp chamber (diamond-coated)

E6/ED6

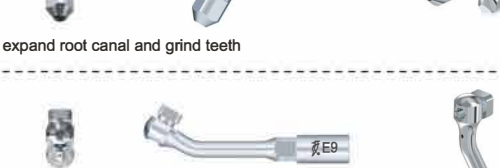
Used to remove foreign bodies from deep root canals.

E7/ED7

Used to remove foreign body on top 1/3 of the root canal. Recommended

E8/ED8

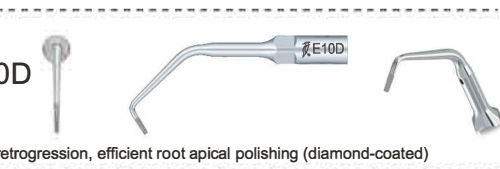
Burs holder, used to expand root canal and grind teeth

E9/ED9

Burs holder, used to expand root canal and grind teeth

E10/ED10

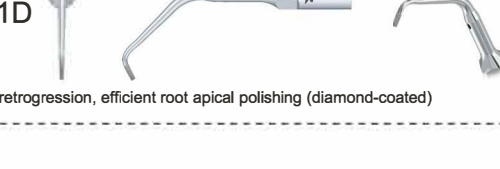
Used for root canal soft treatment

E10D/ED10D

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

E11/ED11

Used for root canal soft treatment

E11D/ED11D

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

E12D/ED12D

Used to remove foreign bodies in the root canal and expose the root canal

E14/ED14

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

E14D/ED14D

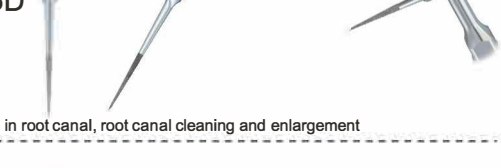
For the retreatment and removal of hard material, with irrigation

E15/ED15

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

E15D/ED15D

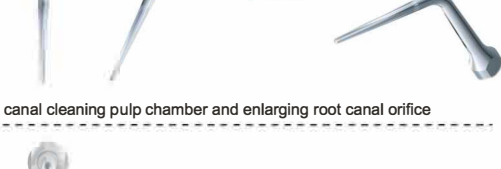
Remove calcification in root canal, root canal cleaning and enlargement

E16

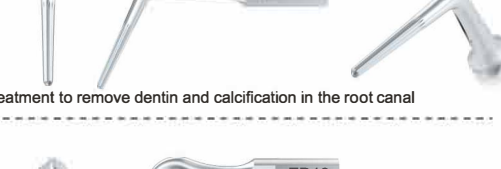
Used for locating root canal cleaning pulp chamber and enlarging root canal orifice

ED16

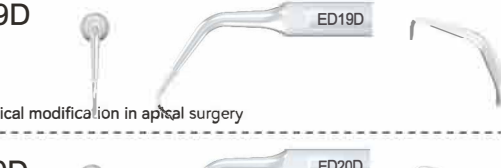
Used for locating root canal cleaning pulp chamber and enlarging root canal orifice

E17/ED17

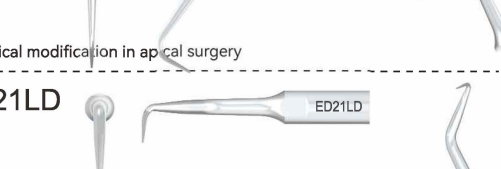
Used for root canal treatment to remove dentin and calcification in the root canal

E18/ED18

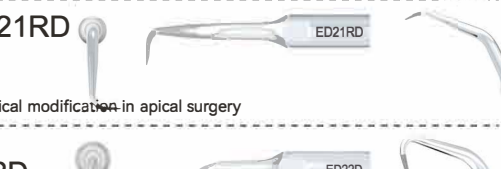
Used for root canal treatment to remove dentin and calcification at 1/3 of the root canal

E19D/ED19D

Used for efficient apical modification in apical surgery

E20D/ED20D

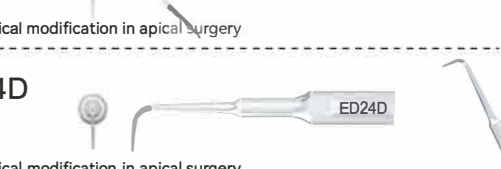
Used for efficient apical modification in apical surgery

E21LD/ED21LD

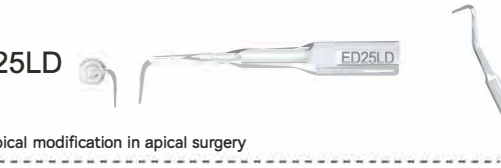
Used for efficient apical modification in apical surgery

E21RD/ED21RD

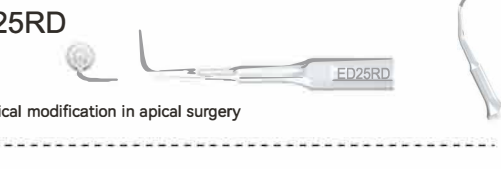
Used for efficient apical modification in apical surgery

E22D/ED22D

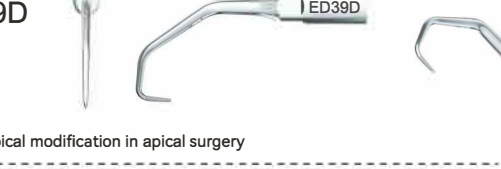
Used for efficient apical modification in apical surgery

E23D/ED23D

Used for efficient apical modification in apical surgery

E24D/ED24D

Used for efficient apical modification in apical surgery

E25LD/ED25LD

Used for efficient apical modification in apical surgery

E25RD/ED25RD

Used for efficient apical modification in apical surgery

E39D/ED39D

Used for efficient apical modification in apical surgery

E40D/ED40D

Used for efficient apical modification in apical surgery

E41D/ED41D

Used for efficient apical modification in apical surgery

E60/ED60

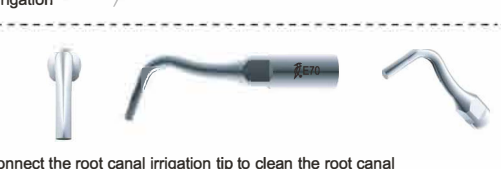
Used for root canal irrigation

E62/ED62

Used for root canal irrigation

E66/ED66

Used for root canal irrigation

E70/ED70

Used to install and connect the root canal irrigation tip to clean the root canal

E71

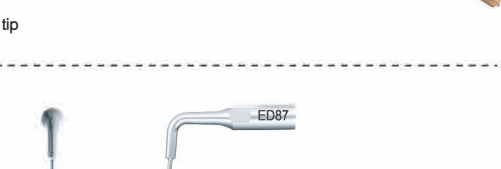
Root canal irrigation tip

E72

Root canal irrigation tip

E73

Root canal irrigation tip

E74

Root canal irrigation tip

E87/ED87

Used to remove broken file in the root canal

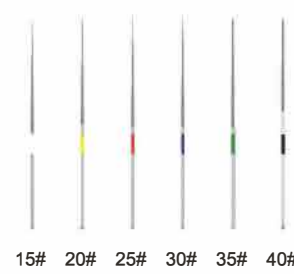
E88/ED88

Used to remove broken file in the root canal

E89/ED89



Used to remove broken file in the root canal



Tip with excellent tenacity is used for root canal cleaning
File size: 32. 5mm+0.5mm
Handpiece size: $\Phi 0.68\text{mm} \sim 0.71\text{mm}$
K-file taper: 2%
Each kit with six pieces, one kit for one model

Endodontics(Only suitable for Ultrasonic Endo Activator)

E80/ED80



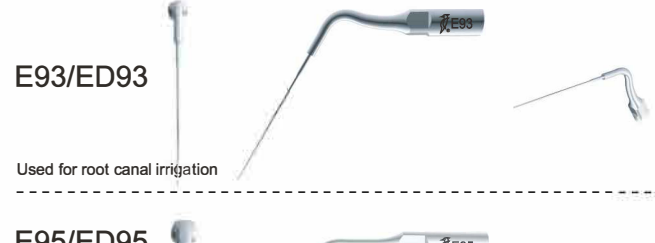
Used to remove broken file in the root canal

E90/ED90



Used for root canal irrigation

E93/ED93



Used for root canal irrigation

E95/ED95



Used for root canal irrigation

E96/ED96



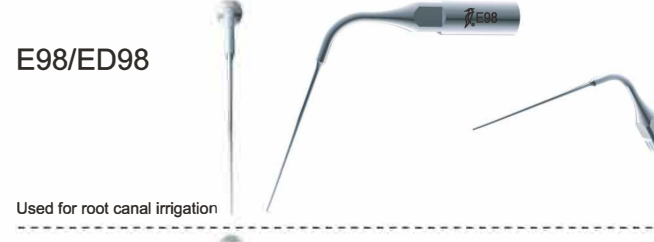
Used for root canal irrigation

E97/ED97



Used for root canal irrigation

E98/ED98



Used for root canal irrigation

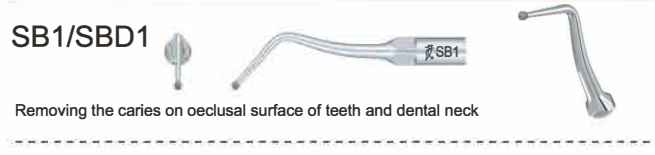
E99/ED99



Used for root canal irrigation

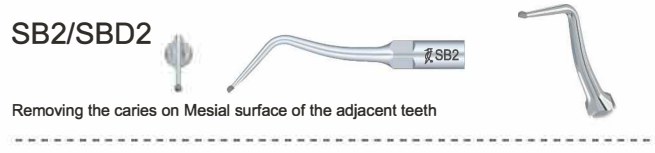
Cavity preparation

SB1/SBD1



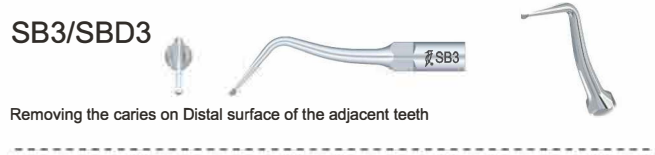
Removing the caries on occlusal surface of teeth and dental neck

SB2/SBD2



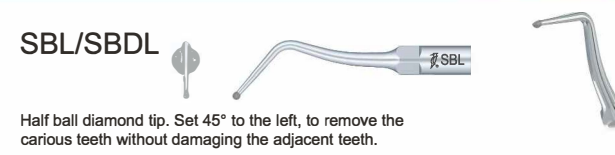
Removing the caries on Mesial surface of the adjacent teeth

SB3/SBD3



Removing the caries on Distal surface of the adjacent teeth

SBL/SBDL



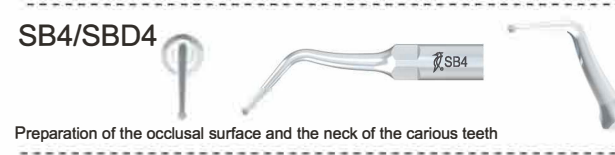
Half ball diamond tip. Set 45° to the left, to remove the carious teeth without damaging the adjacent teeth.

SBR/SBDR



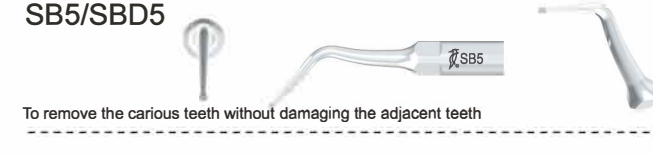
Half ball diamond tip. Set 45° to the right, to remove the carious teeth without damaging the adjacent teeth

SB4/SBD4



Preparation of the occlusal surface and the neck of the carious teeth

SB5/SBD5



To remove the carious teeth without damaging the adjacent teeth

SB6/SBD6



Remove the carious teeth without damaging the adjacent teeth

SB7L/SBD7L



Allows removal of the carious teeth without damaging the adjacent teeth

SB7R/SBD7R



Allows removal of the carious teeth without damaging the adjacent teeth

SB8/SBD8



The round surface of the tip end is diamond-coated (85 μm), which is used to remove caries from adjacent tooth surfaces.

Endodontics (Used for SIRONA)

ES1



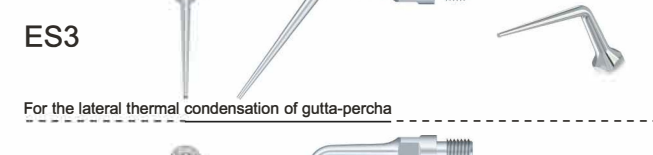
120°angle holder, for root canal cleaning

ES2



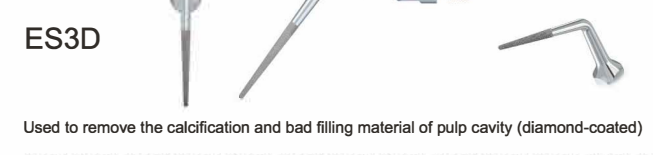
95°angle holder, for root canal cleaning

ES3



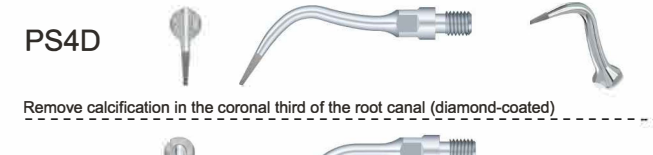
For the lateral thermal condensation of gutta-percha

ES3D



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

PS4D



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

ES4



Remove obstructions and broken instruments in the root canal

G31/GD31



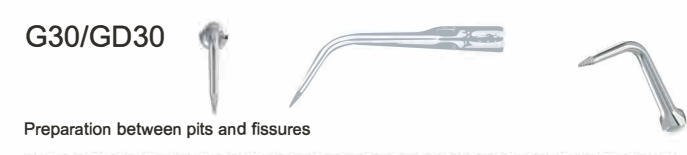
Preparation of mesiocclusion cavity

G33/GD33



Preparation of teeth veneer

G30/GD30



Preparation between pits and fissures

G32/GD32



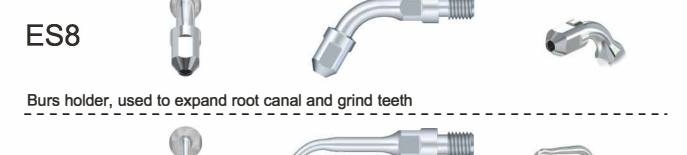
Preparation of distal and mesial cavity

ES5



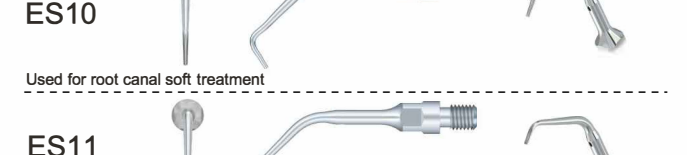
Remove root canal fillings and broken instruments in the coronal third

ES8



Burs holder, used to expand root canal and grind teeth

ES10



Used for root canal soft treatment

ES11



Used for root canal soft treatment

ES14



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

ES15



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

Used for AMDENT

A1

Supragingival scaling

A2

Supragingival scaling

A1T

Supragingival scaling

A2T

Supragingival scaling

Periodontal treatment

P50L

Used for explore subgingival calculus, root planing and subgingival scaling

P50R

Used for explore subgingival calculus, root planing and subgingival scaling

P52

Used for explore subgingival calculus, root planing and subgingival scaling

P53L

Used for explore subgingival calculus, root planing and subgingival scaling

P53R

Used for explore subgingival calculus, root planing and subgingival scaling

P54L

Used for the treatment of root bifurcation area

P54R

Used for the treatment of root bifurcation area

P56

Used for gingival large calculus and dental plaque

P58

Used for the treatment of root bifurcation area

P59

Used for subgingival calculus probing, subgingival scaling and root planning

Scaling

G1T/GD1T

Supragingival scaling

G2T/GD2T

Supragingival scaling

G3T/GD3T

Supragingival scaling

G4T/GD4T

Supragingival scaling

G5T/GD5T

Supragingival scaling

G6T/GD6T

Supragingival scaling

G7T/GD7T

Remove dental crown

G8T/GD8T

Remove dental post, with irrigation

G9T/GD9T

Supragingival scaling

G10T/GD10T

Supragingival scaling

Shoulder preparation

G20/GD20

Abrade dentin

G21/GD21

Finely repair and polish the prepared shoulder

Periodontics

P1T/PD1T

Periodontal scaling

P2LT/PD2LT

Periodontal scaling

P2RT/PD2RT

Periodontal scaling

P3T/PD3T

Periodontal scaling

P3LT/PD3LT

Periodontal scaling

P3RT/PD3RT

Periodontal scaling

P4T/PD4T

Periodontal scaling

P5T/PD5T

Periodontal scaling

P10T/PD10T

Periodontal scaling

P11T/PD11T

Periodontal scaling

P12T/PD12T

Periodontal scaling

P14LT/PD14LT

Periodontal scaling

P14RT/PD14RT

Periodontal scaling

P18T/PD18T

Periodontal scaling

P20T/PD20T

Periodontal scaling

P20LT/PD20LT

Periodontal scaling

P20RT/PD20RT

Periodontal scaling

P21LT/PD21LT

Periodontal scaling

P21RT/PD21RT

Periodontal scaling

P22LT/PD22LT

Periodontal scaling

P22RT/PD22RT

Periodontal scaling

Endodontics

E1T/ED1T

120° angle holder, for root canal cleaning

E2T/ED2T

95° angle holder, for root canal cleaning

E3T/ED3T

For the lateral thermal condensation of gutta-percha

E4T/ED4T

Remove obstructions and broken instruments in the root canal

E5T/ED5T

Remove root canal fillings and broken instruments in the coronal third

E8T/ED8T

Burs holder, used to expand root canal and grind teeth

E9T/ED9T

Burs holder, used to expand root canal and grind teeth

E10T/ED10T

Used for root canal soft treatment

E11T/ED11T

Used for root canal soft treatment

E14T/ED14T

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

E15T/ED15T

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

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)

UL4

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

UL5

Peeling of the sinus membrane (angle: 95°)

UL6

It can be used to peel off the mucosa of the upper frontal sinus

UL7

It can be used to peel off the mucosa of the upper frontal sinus

UL8

Used for non-traumatic bone repair near soft tissue and sensitive parts

UL13

Non-traumatic bone cutting on thin bone region (diamond-coated)

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

US13

US18

US21

US25

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

UI3

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

UI4

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

UI5

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

UI6

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

UI7

Finalize the implant site and bone preparation (diamond-coated)

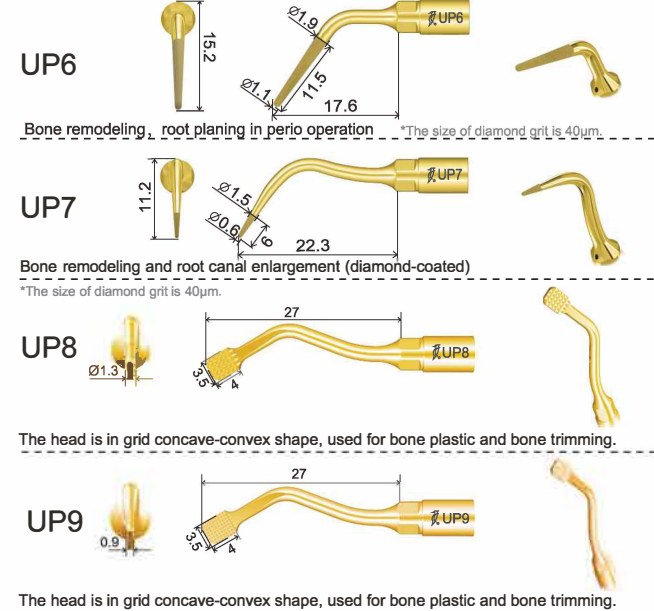
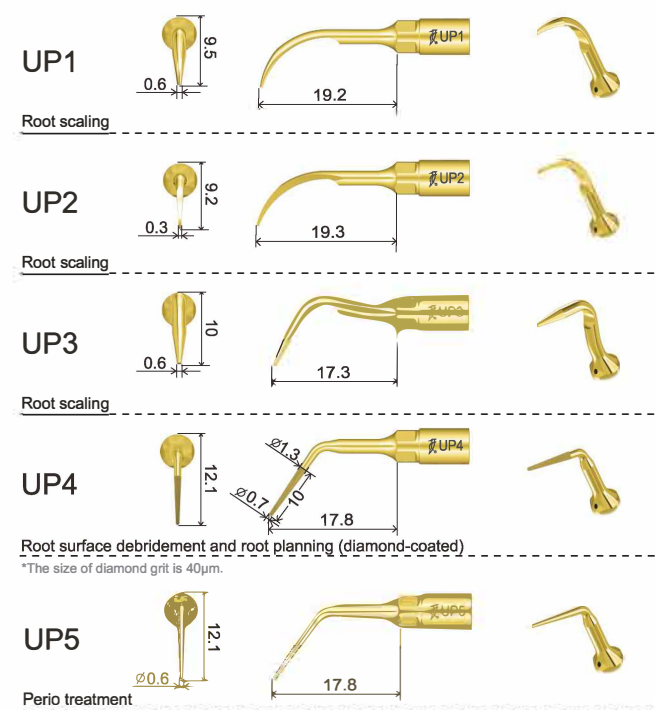
UI8

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

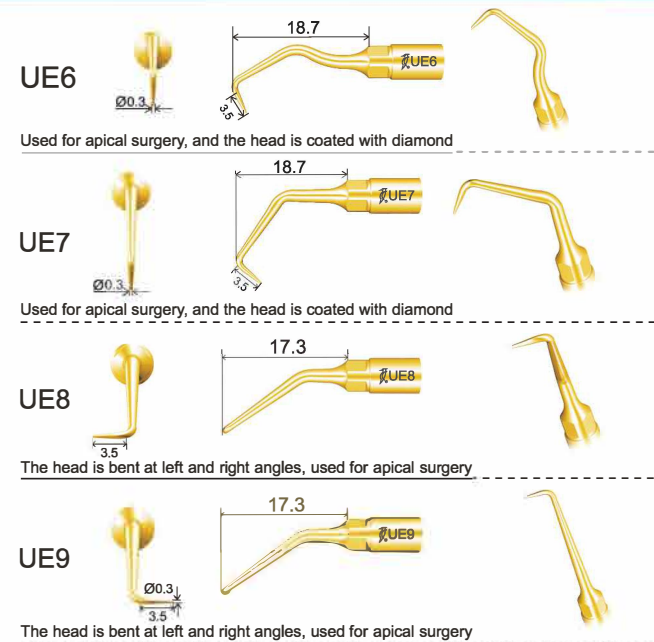
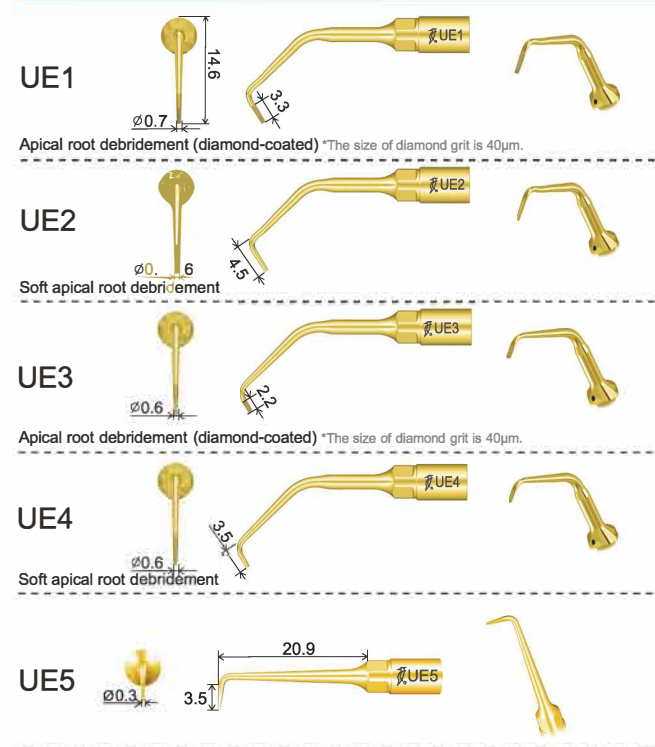
UI9

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

Periodontal surgery



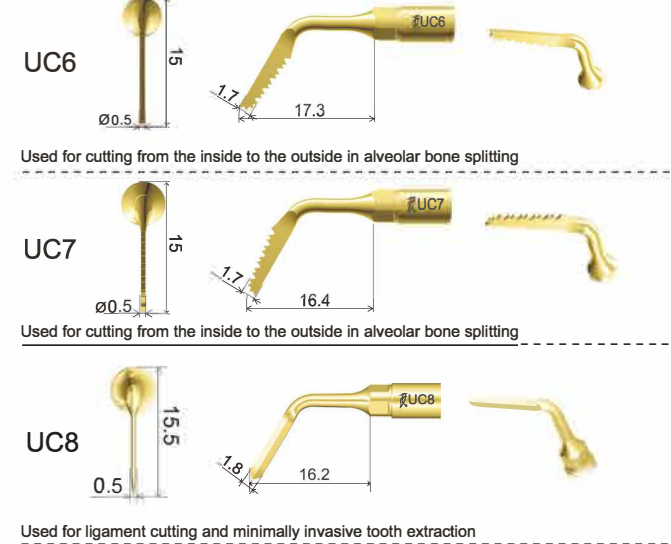
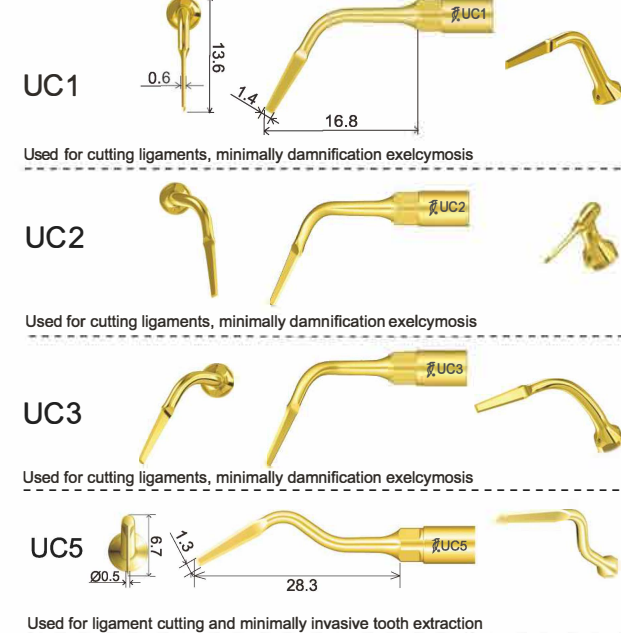
Endodontic



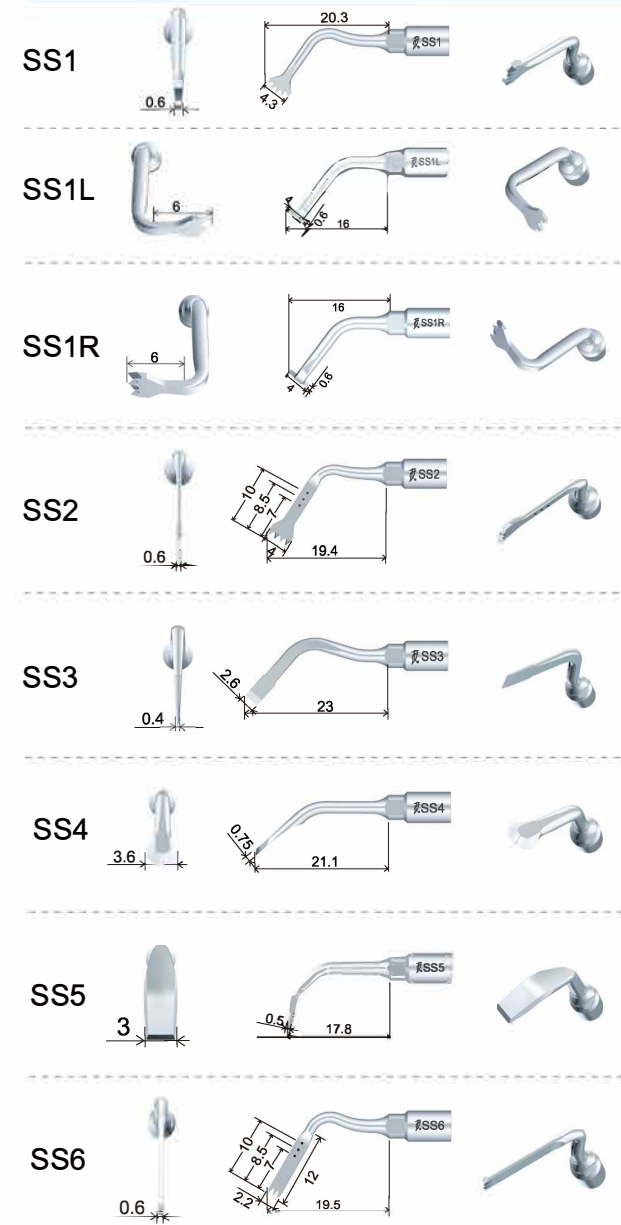
Ultrasonography Tip Kit



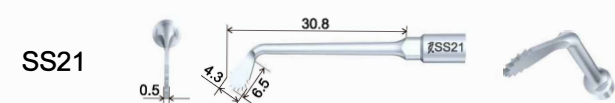
Exelcymosis



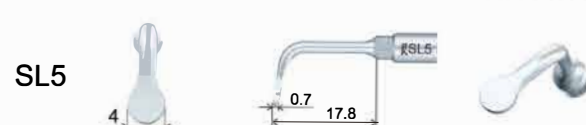
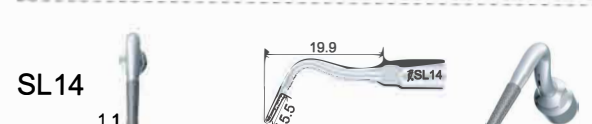
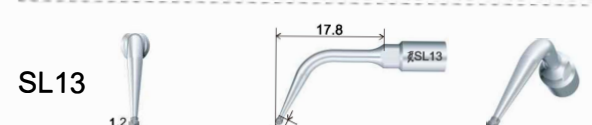
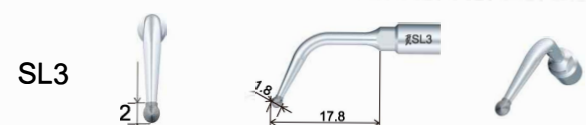
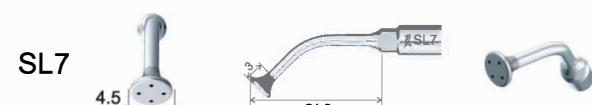
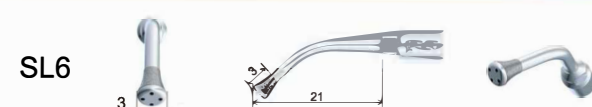
Osteotomy



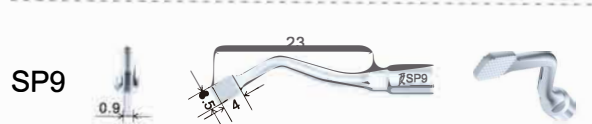
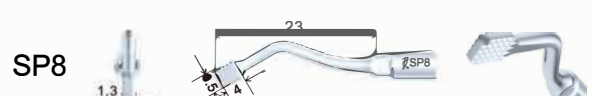
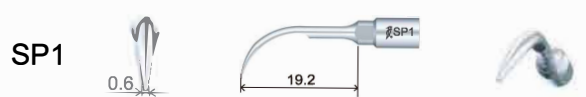
Osteotomy



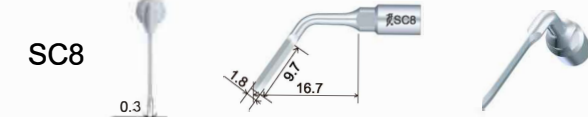
Sinus lifting



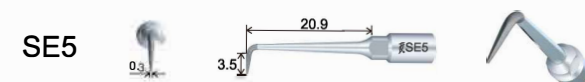
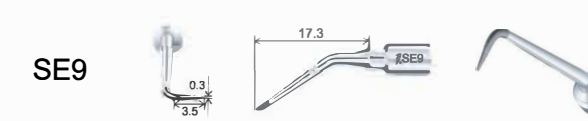
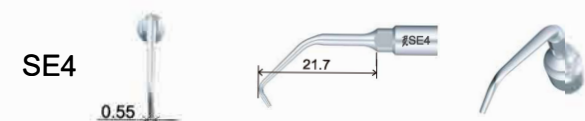
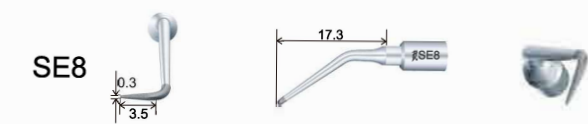
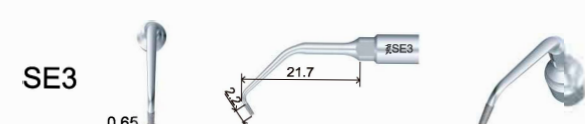
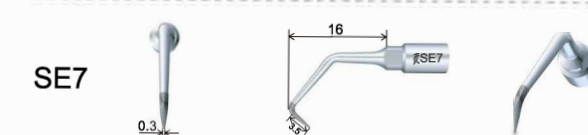
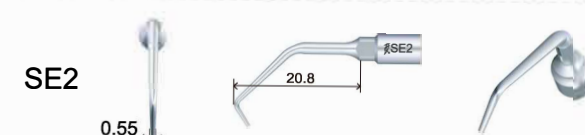
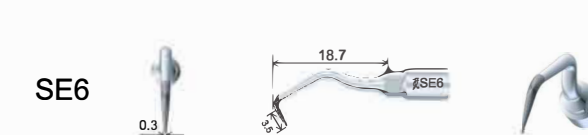
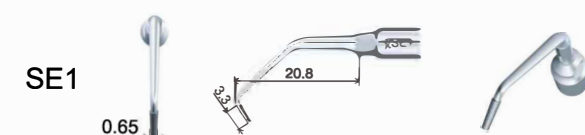
Periodontal surgery



Exelcymosis



Endodontics



Implantation

