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360 patents worldwide; Exported to 140 countries

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2023.1.0 Edition

Since **1989**

CATALOGUE

GUILIN WOODPECKER MEDICAL INSTRUMENT CO., LTD.



National high-tech enterprise
Choice of millions of dentists worldwide

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PT-B

Dental Scaler and Air Polisher



optional color ■ Gold ■ Black

FULLY TRANSPARENT FUNNEL-SHAPED POWDER TANK

Stable powder output
360°rotatable, allowing real-time observation of powder flow in the tank



HEATING SYSTEM WITH ADJUSTABLE WATER TEMPERATURE

Deliver warm and comfortable treatment



MULTIFUNCTIONAL WIRELESS FOOT PEDAL

Easy to carry and operate
Versatile and convenient operation



Dental Air Polishing Handpiece

AP-H AP-H Plus

Comfortable Clean Lightweight
Easy Cleaning Mode



Supragingival & subgingival mode
Two-in-one



0.7mm small caliber nozzle



Three-section air-polishing handpiece design



360° rotatable
Pre-bendable subgingival nozzle



Transparent powder
container enables easier
observation of remaining powder



The whole device weights about 125g



Scan for more details in website

Ergonomic design More flexible and lightweight

Easy quick connection for plugging and using
Lightweight design relieves grip fatigue

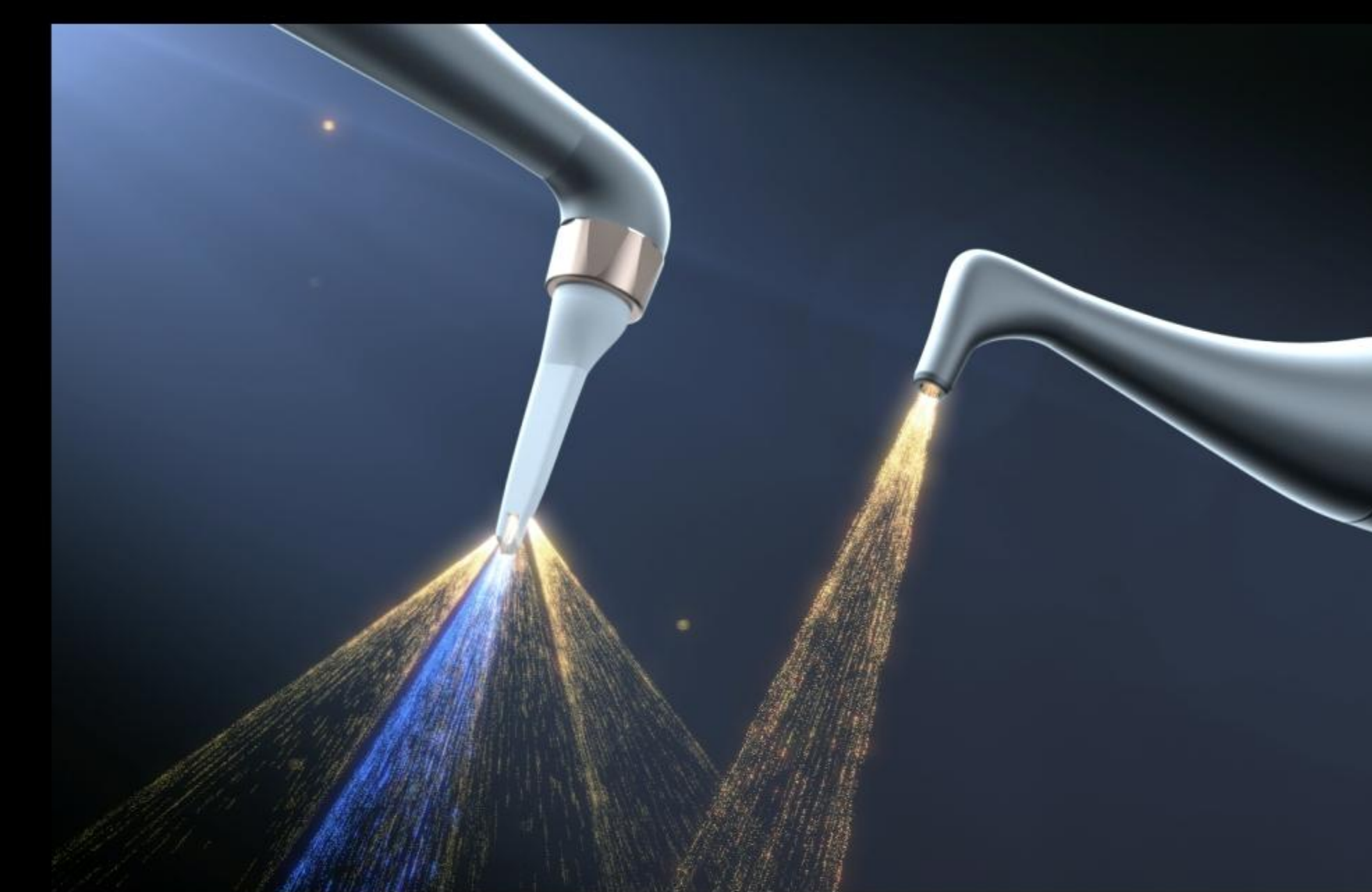
Suitable for all dental chairs
The whole device weights about 125g, much lower than similar
products on the market (135~165g)
Easy to adjust the angle, flexible to apply to use



With national patent design More scientific More efficient

Supragingival & subgingival mode
Two-in-one

Amazing dental air polisher with subgingival mode



Three-section air-polishing handpiece design

Detachable handpiece

Woodpecker handpiece can be detached
for maintenance if clog occurs,
which makes it unique among all the brands.



0.7mm small caliber nozzle

More concentrated powder output
More accurate scaling

Nozzle caliber for powder measures 0.7mm
Nozzle caliber for water measures 1.4mm
Smaller caliber allows more concentrated air polishing
Companies on the market with dental air polisher of 0.7mm small caliber nozzle included
Woodpecker, EMS and NSK.

1.4mm

0.7mm



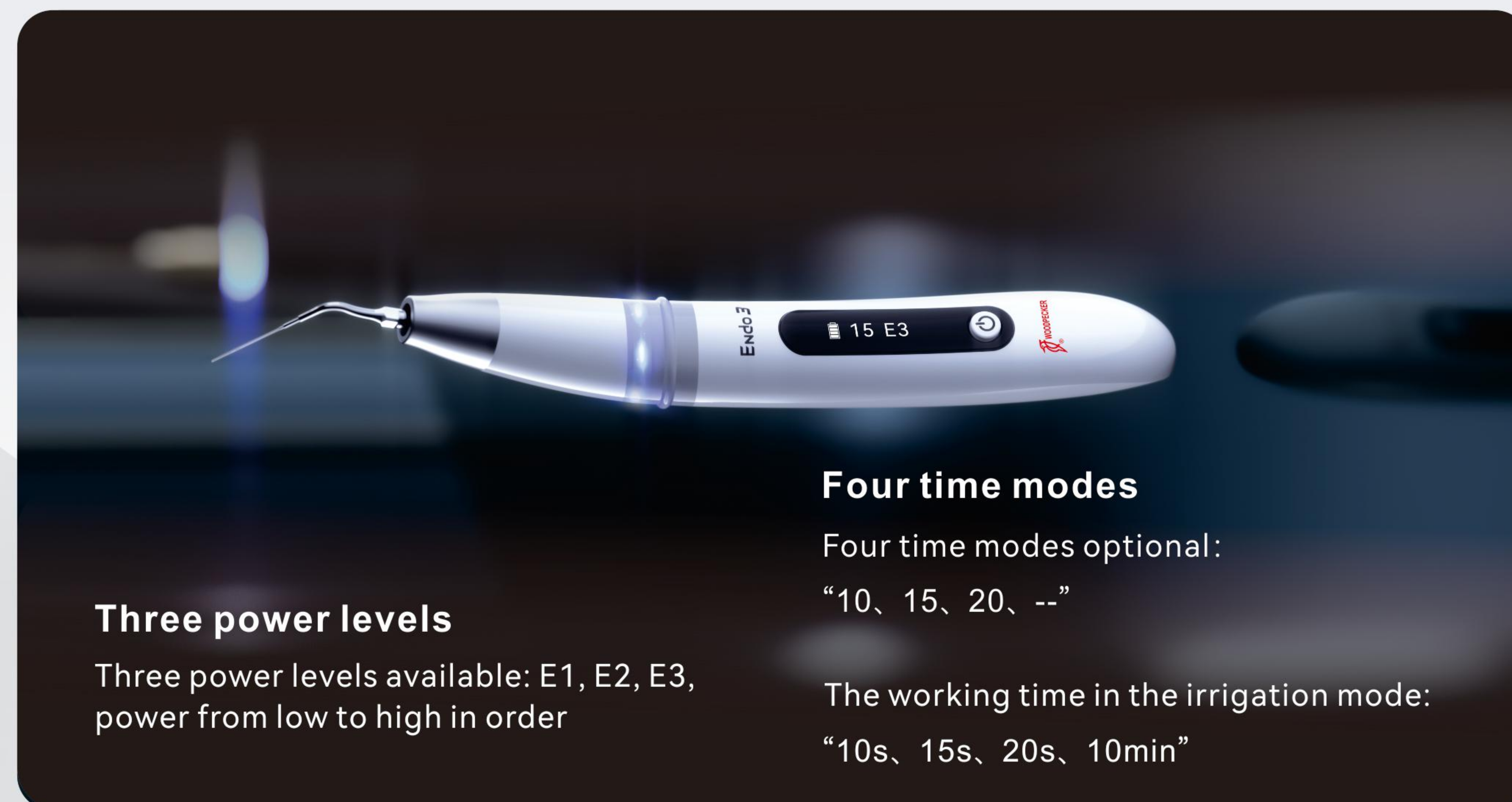
Ultrasonic Endo Activate Device

Endo 3

- Versatile
- Smart
- User-friendly

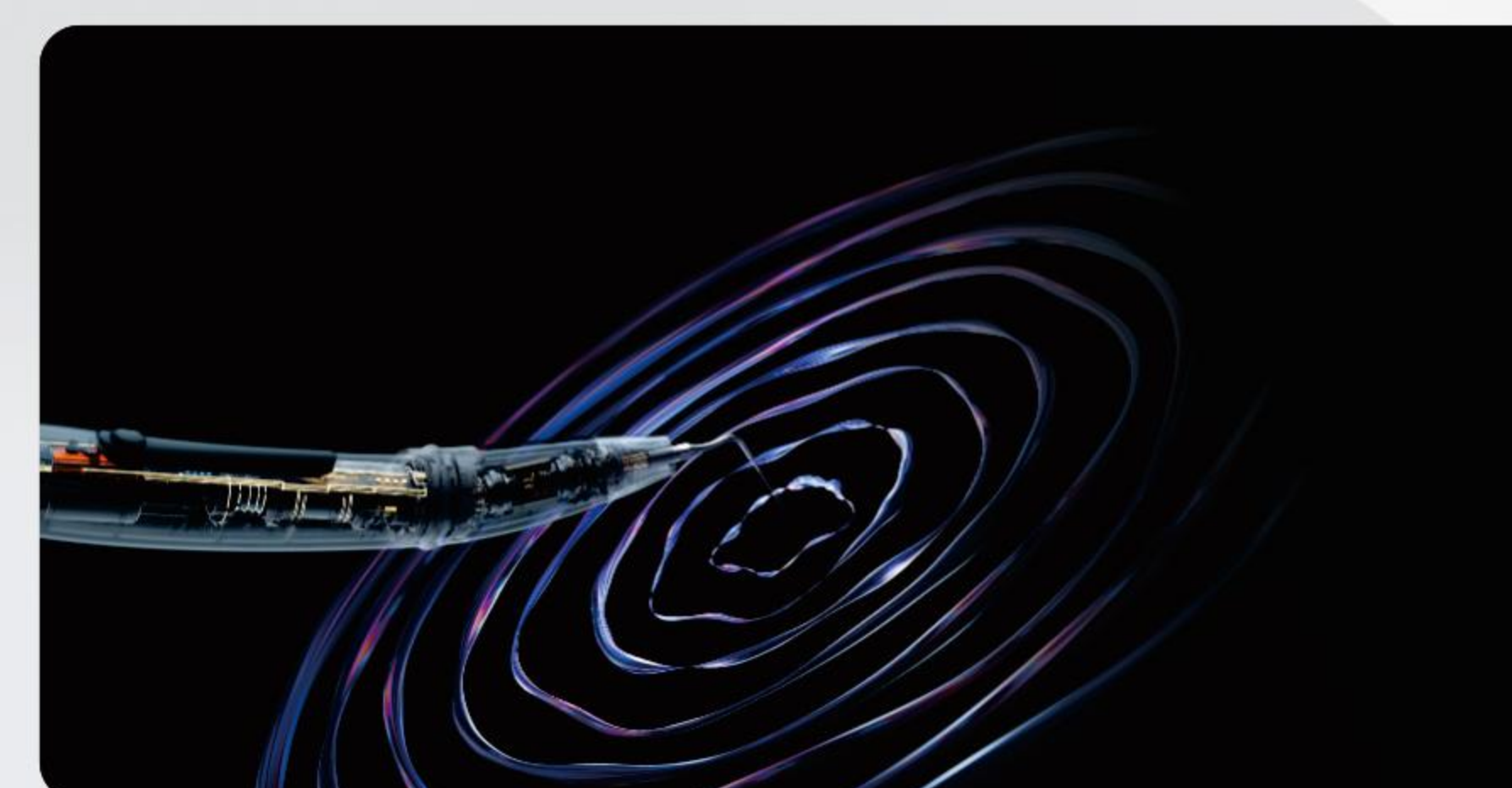


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Three power levels
Three power levels available: E1, E2, E3, power from low to high in order

Four time modes
Four time modes optional:
“10、15、20、--”
The working time in the irrigation mode:
“10s、15s、20s、10min”



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 the ultrasonic vibration stimulation.



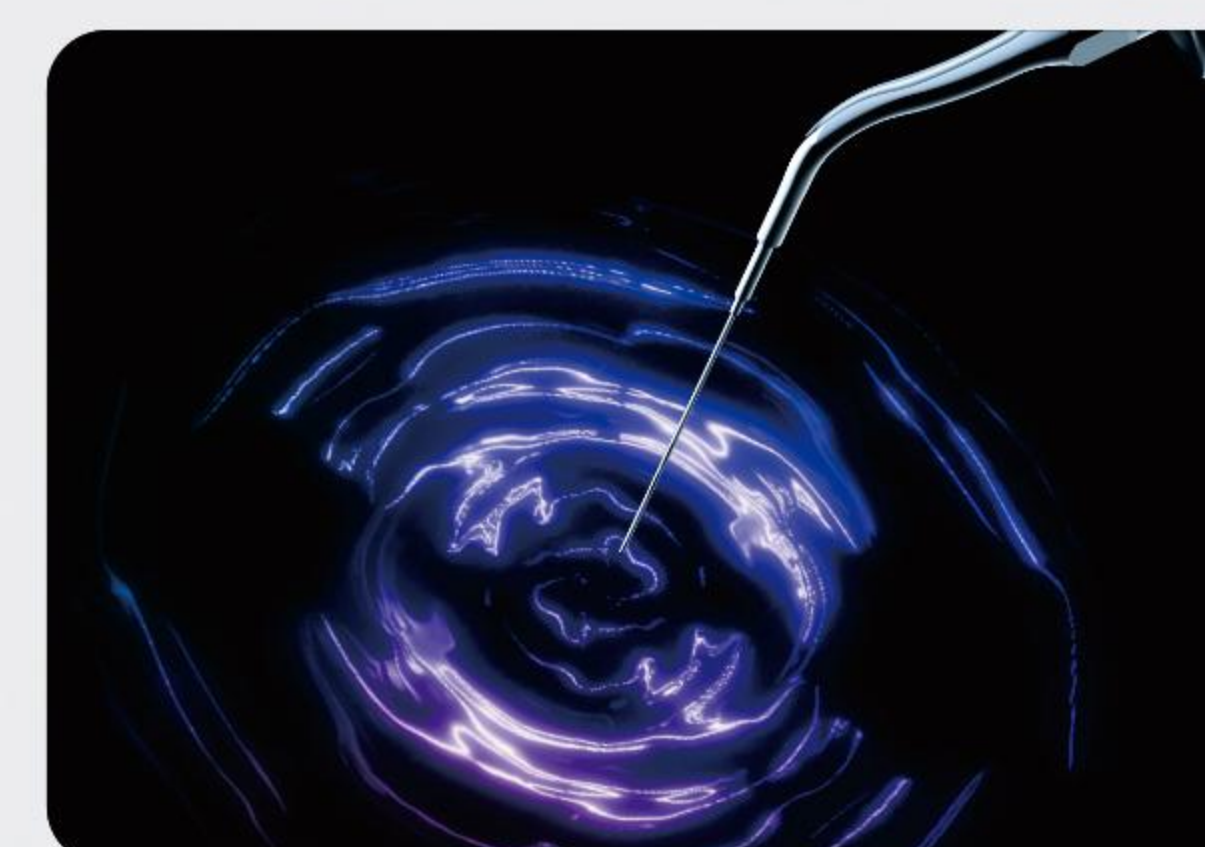
Wireless control Handy to operate

Magnetic suction contact charging
Wireless operation
Compact and light, easy for irrigation



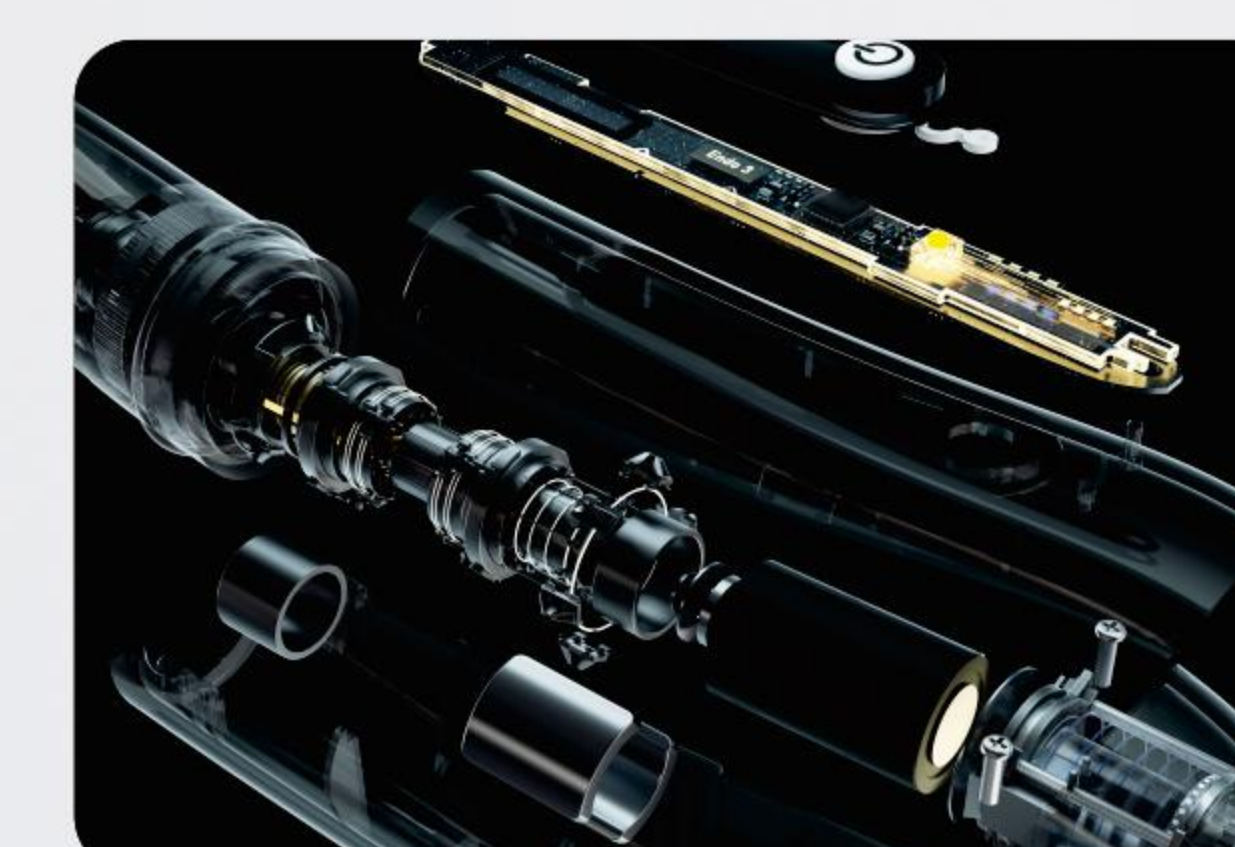
Clear LCD screen Easier observation

Visually display the machine working state



Appropriate vibration amplitude

Tips with low vibration and high efficiency
More efficient and reliable irrigation



Stable performance Intelligent tracking

Fully automatic frequency tracking system
Automatically search for best working state



User-friendly ring switch button
Ring switch button to control the machine
Facilitate the treatment of different angles and different tooth positions

Dental Implant Unit

Implant Air

Precise Reliable Simple



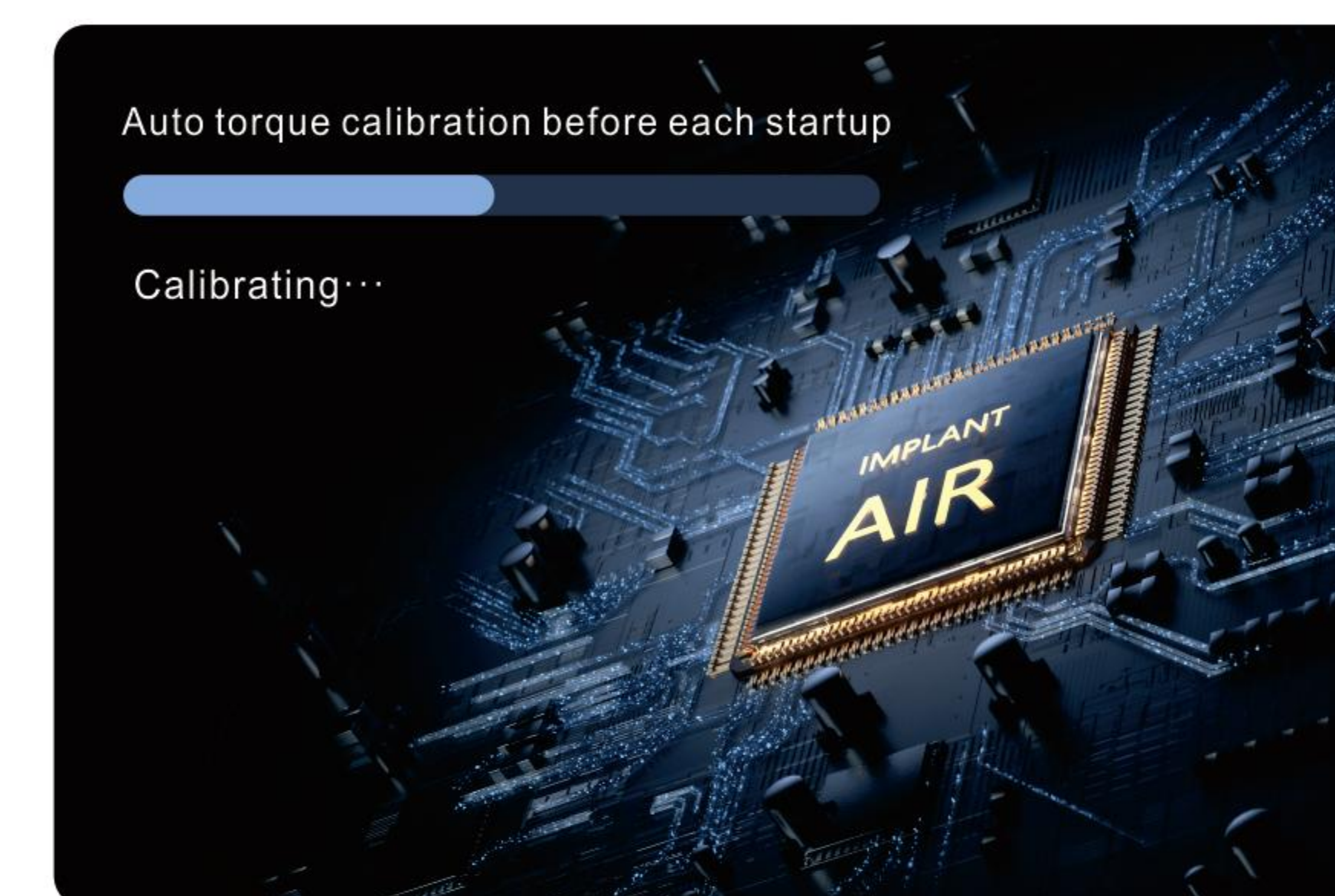
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UTMOST QUALITY ULTIMATE EXPERIENCE

Dental implantology is a highly demanding subject. The smart dental implant unit Implant Air has been fully upgraded in hardware and software to improve the accuracy of implant surgery as well as make the operation more efficient and concise, offering a great experience to both patients and doctors.

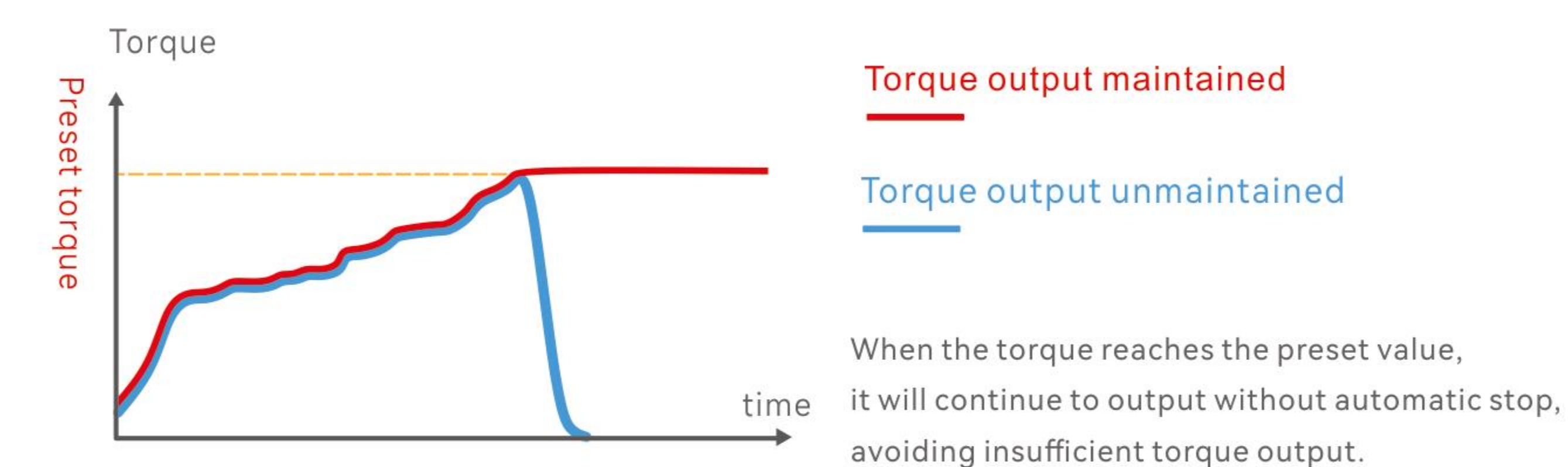
AUTOMATIC CALIBRATION CONVENIENT AND ACCURATE

Implant Air features torque startup automatic calibration (TSAC), which ensures that the device calibrates itself for accuracy every time it is turned on, eliminating additional manual operation. Used with Swiss motor, it delivers more precise and easier output.



CONTINUOUS TORQUE OUTPUT PRECISE AND RELIABLE

The torque is displayed in real time. Plus, once the output torque reaches the preset value during implantation, the torque output will continue with a preset value, ensuring that the implant placement torque reaches the preset target with higher accuracy.



Speed range
300 - 42000rpm

Torque range
(20:1)5N·cm - 80N·cm

Max water volume
135ml/min

Motor size
φ23.4mmxL91mm

Motor weight
140g

PEAK VALUE DISPLAY VISUAL AND EASY

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, and reduce redundant steps.



GERMAN BEARING STABLE AND DURABLE

The high-precision
contra-angle exhibits a runout range of

< 20 μ m

which can ensure stable output regardless
of complex situations such as high speed or low speed.
German bearing contributes to the stable
operation and longer life of contra-angle.

SWISS MOTOR STRONG AND POWERFUL

The 5.5N·cm Swiss motor
with 20:1 handpiece
guarantees a terminal maximum out torque of

80N·cm

to satisfy various surgical needs.
LED motor visualizes the entire implant surgery,
making it more efficient.

Vertical body, compact design, more space-saving

5-inch LCD color touch screen, 5 preset programs, automatic saving of parameters after each operation

More simplified operation, bringing a convenient and comfortable user experience

Length

155mm

Width

167mm

Height

227mm



COMFORTABLE HOLDING FATIGUE-FREE

Ergonomically-designed contra-angle to prevent fatigue during work
Reasonable weight match with the motor to ensure a balanced grip

FULL-FEATURED

Compatible with all E-type interface handpieces and
multiple speed ratios, to fit different surgical needs
16:1 20:1 27:1 1:1 1:2 1:2.7 1:3 1:4.2 1:5

ULTRA-QUIET PERISTALTIC PUMP HANDY TO USE

Waterproof design pump head effectively
prevents the occurrence of circuit board burnout
Ultra-quiet peristaltic pump water supply system,
easy to connect
Adaptable to disposable oral water pipe
to prevent cross-infection

MULTI-FUNCTION FOOT PEDAL FREE AND FLEXIBLE

Adopt multifunctional foot pedal to realize
water volume control, program switching,
forward and reverse rotation switching
and speed control



Star Pen

Dental Anesthesia Device



Scan for more details in website

AI algorithm control Precise drug delivery

AI algorithm control

Computer-controlled automatic injection

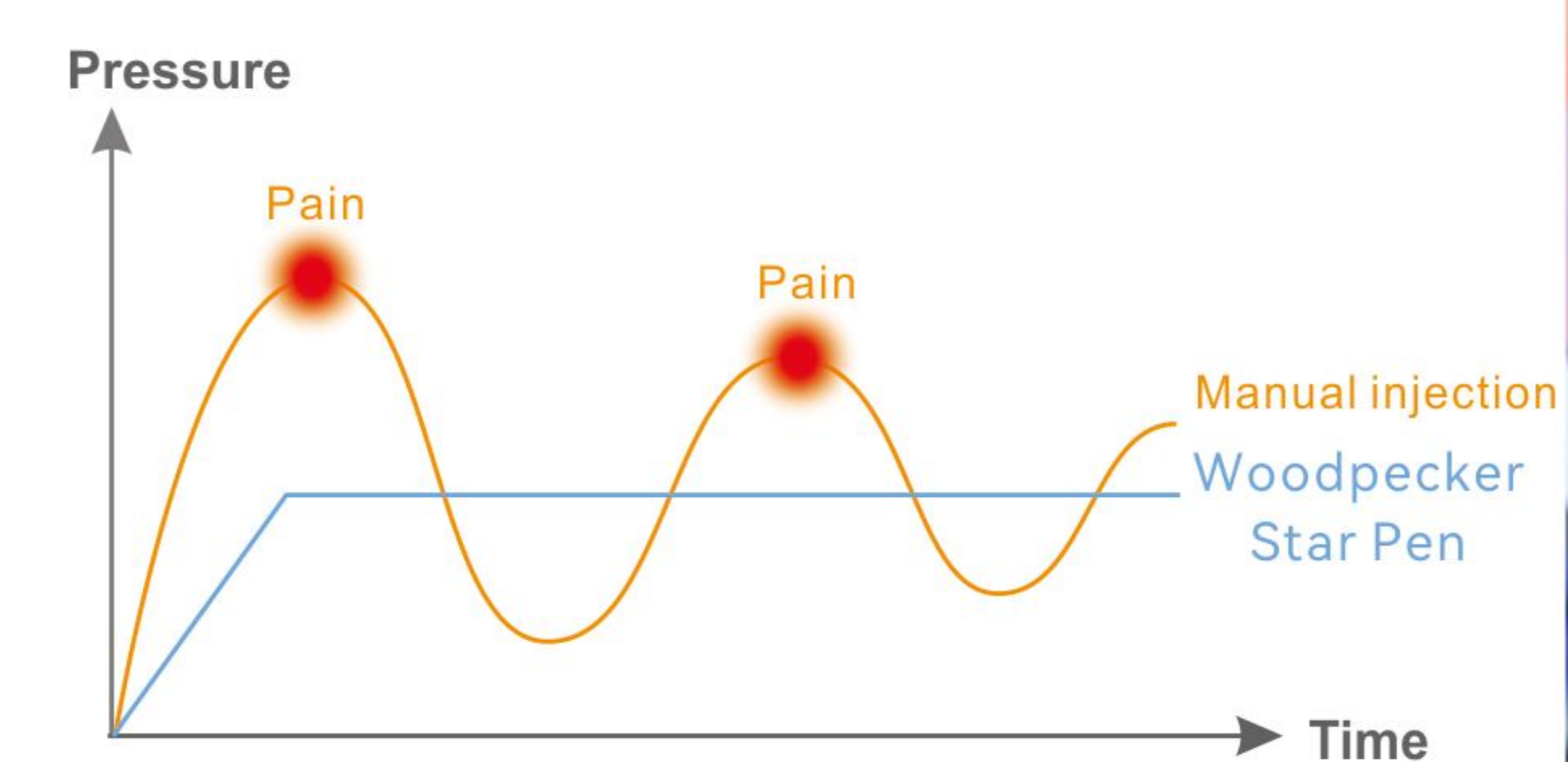
Drug delivery at constant speed and low pressure

Precise control of injection speed

Injection accuracy up to **0.02ml**

Injection speed lower than that inducing patient's pain

Bring comfortable and painless experience



※For traditional manual injection, the injection speed and pressure are difficult to control, and it's easy to cause pain to the patient during the process.

Two adjustable injection speeds

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

Low



High



Mode	Time to inject 1 cartridge anesthetic
H	45s -150s
L	170s-310s



No consumables More economical

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



One-button operation, more convenient

Physical injection button to prevent accidental touch
One-button aspiration, reduces the risk of anesthetic entering the blood vessels
One-button speed mode switching, adjustable speed during injection
One-hand control, comfortable and efficient



• Cartridge holder

• Start/Stop button
Long press button to switch speed modes during injection

• Screen

• Plunger status indicator: forward

• Plunger status indicator: backward

• Speed mode button

• Sound adjustment button

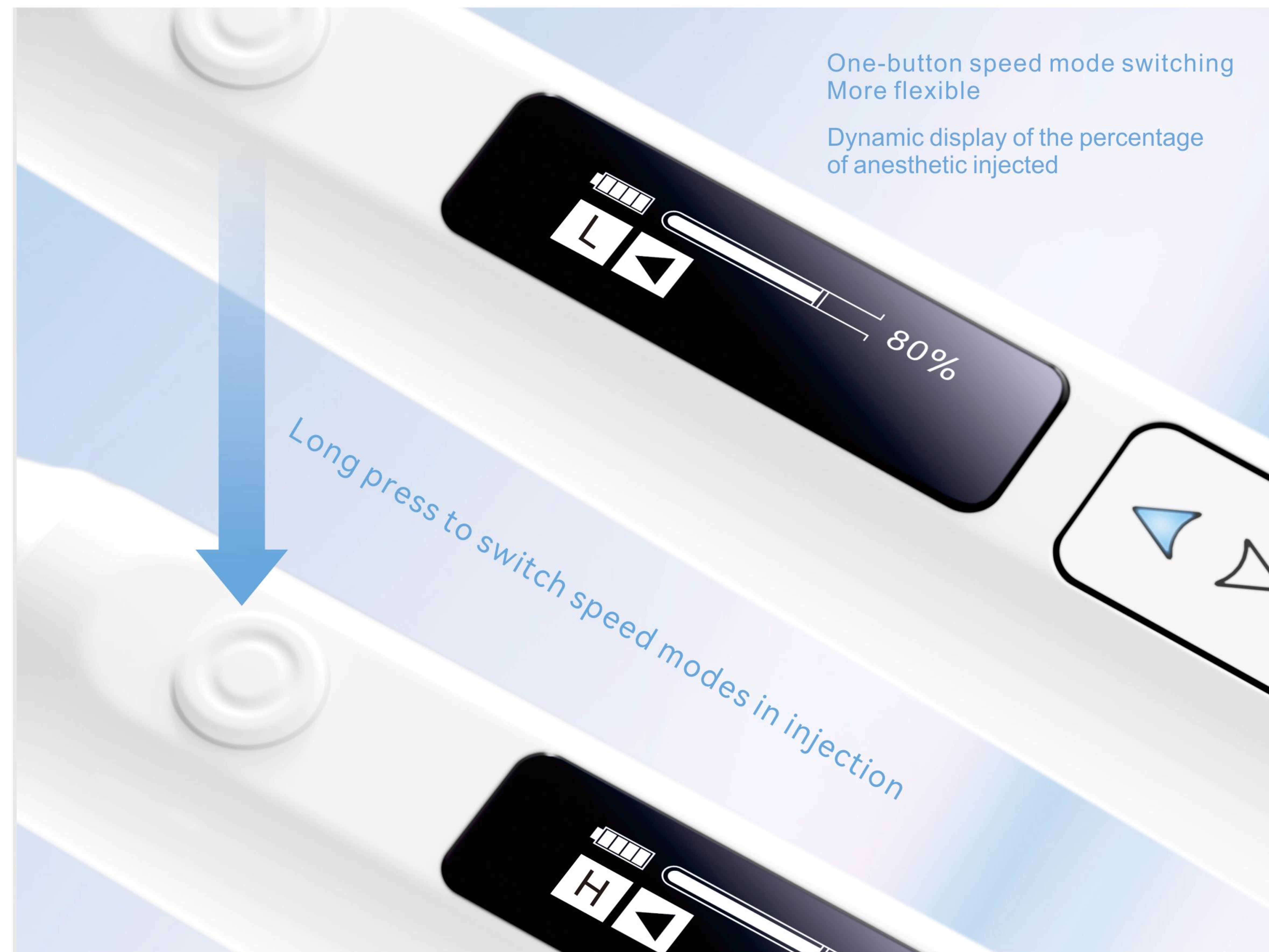
• On-Off/Reset button

Star Pen

One-button speed mode switching
More flexible

Dynamic display of the percentage
of anesthetic injected

Long press to switch speed modes in injection



Intelligent prompts

Set up the speed mode voice prompt, injection status voice prompt, and injection status indicator prompt
More convenient for doctors to operate

Soothing music

Accompanying calm music in injection brings patients a relaxing and comfortable treatment experience.



Wireless charging, long battery life

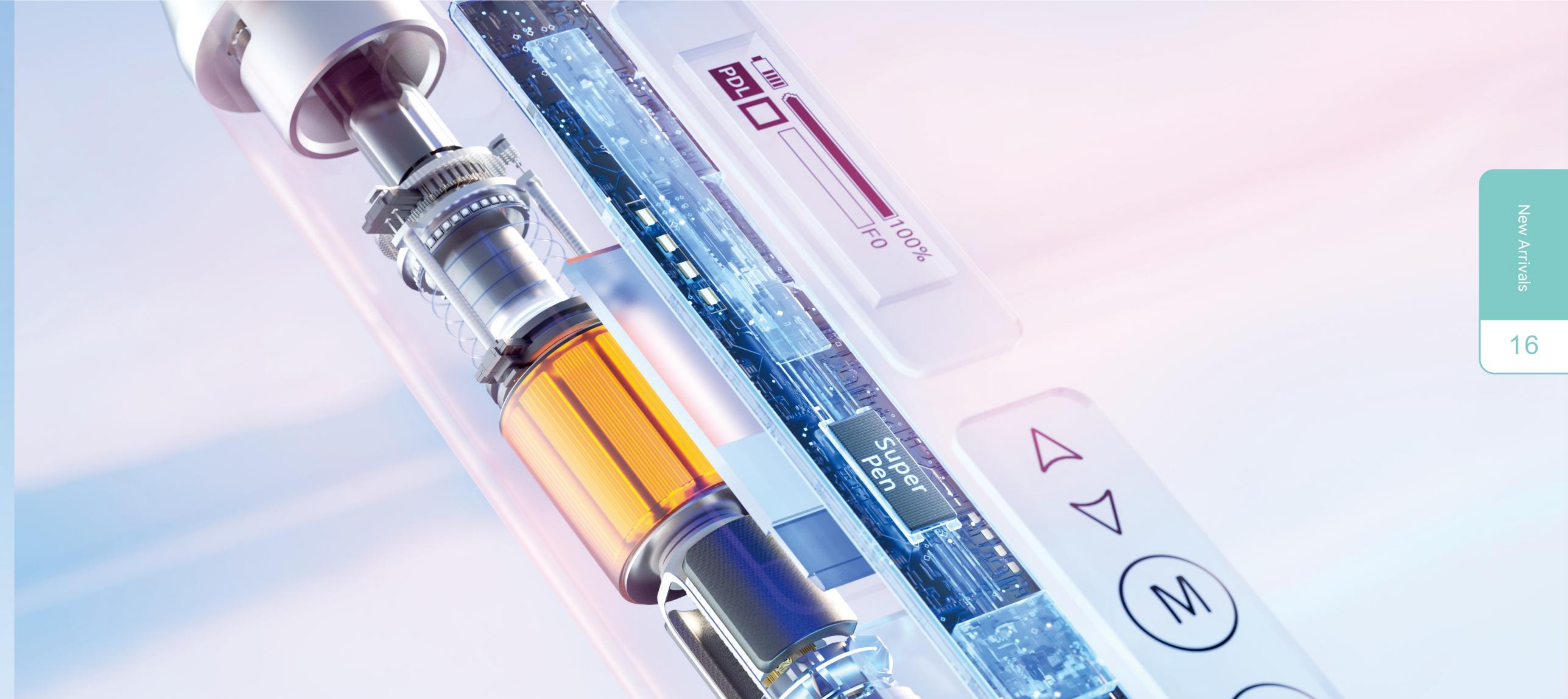
Handpiece adopts wireless charging design
Built-in 2000mAh battery in the base
Handpiece can be charged by placing it on the base, convenient and durable

Super Pen

Dental Anesthesia Device



Scan for more details in website



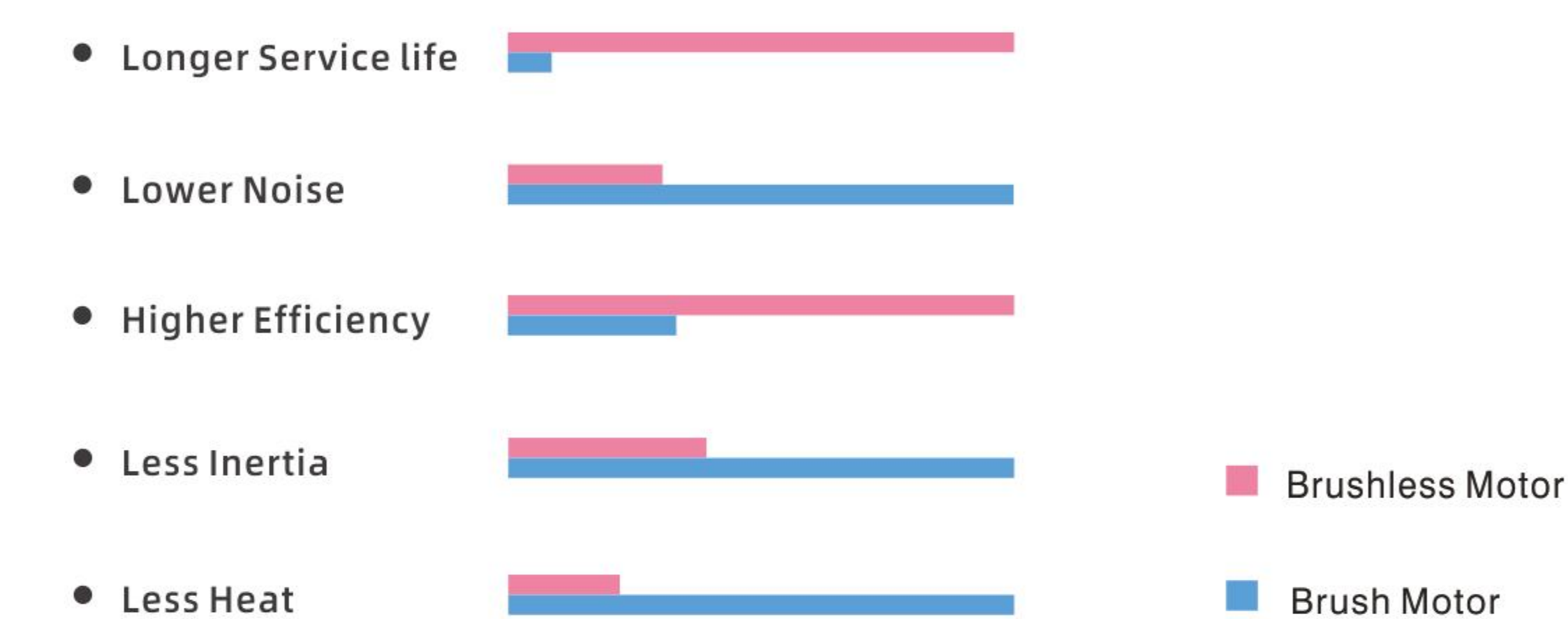
Brushless motor, longer life

High quality & high performance

Low wear, low heat generation

10 times the service life of brush motor

27.1dB lower noise than other brands, more silent



Easy solution to traditional periodontal ligament injection problems

Periodontal ligament injection mode (PDL)

Dual-pressure detection technology + AI algorithm

Can accurately identify and indicate the entry into the periodontal ligament area and automatically start the PDL mode

Avoid hand fatigue, failure injection, incorrect injection site, severe pain, etc.

Three adjustable injection speeds

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

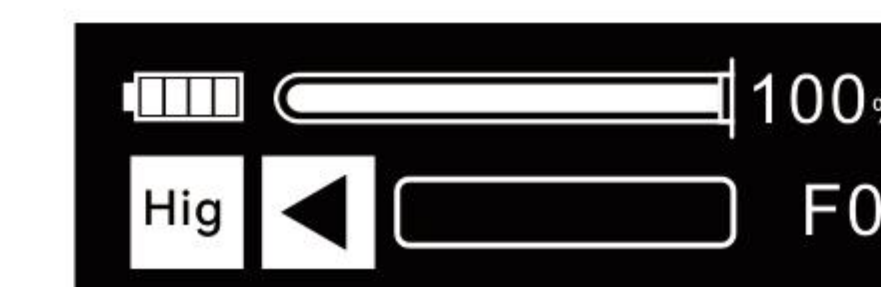
PDL



Low



High

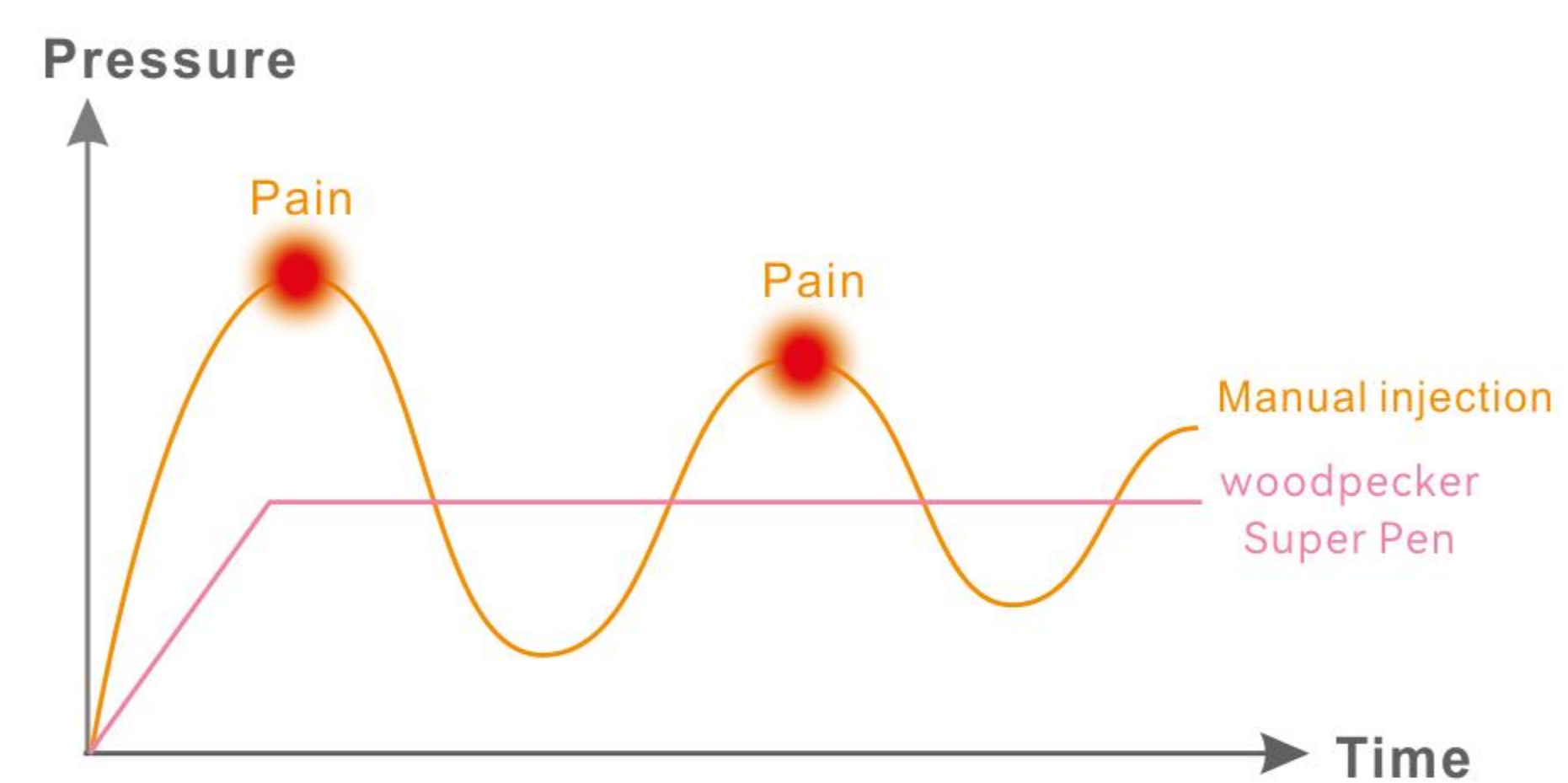


Mode	Time to inject 1 cartridge anesthetic
High	35s - 110s
Low	120s - 170s
PDL	180s - 290s

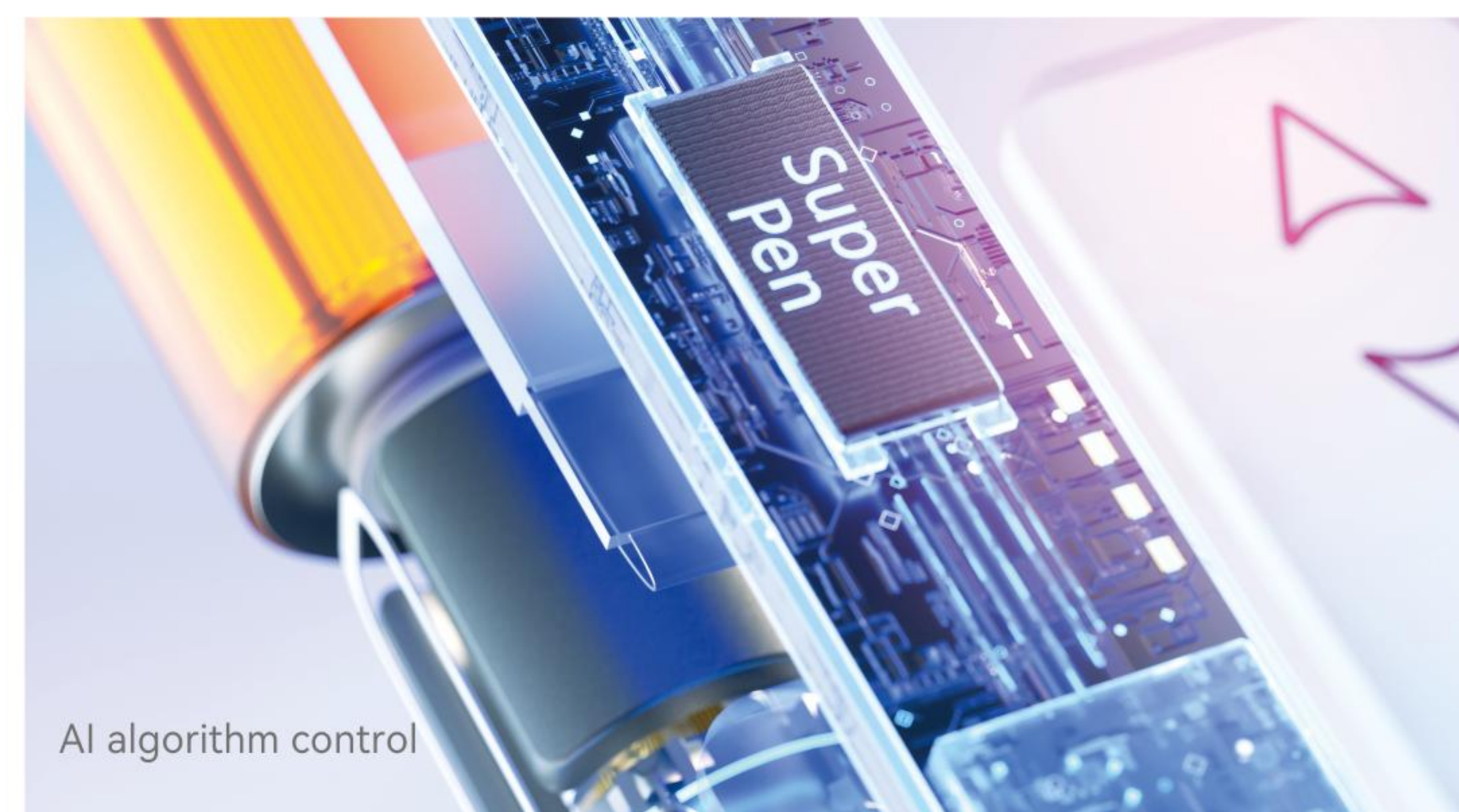


AI algorithm control Precise drug delivery

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

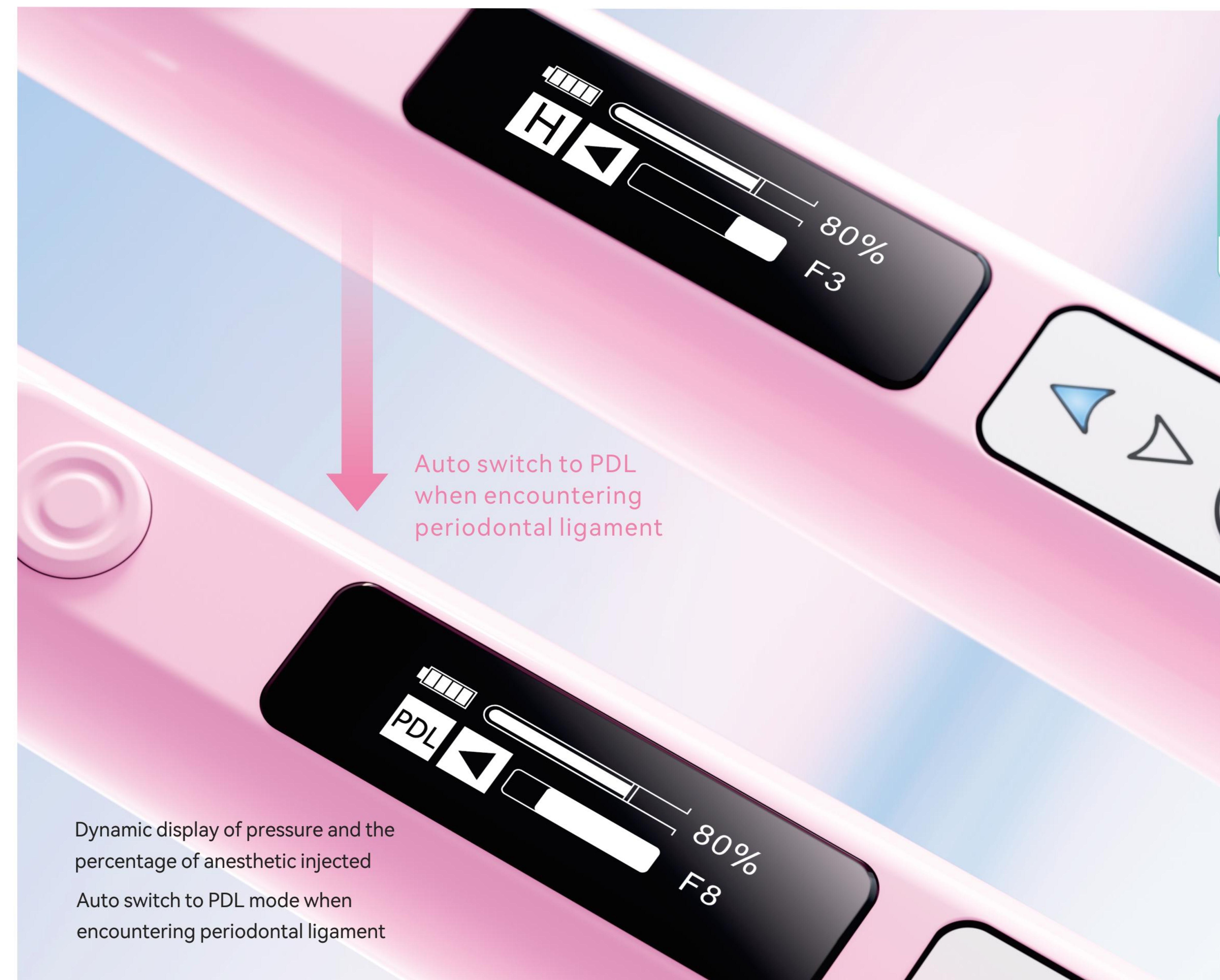
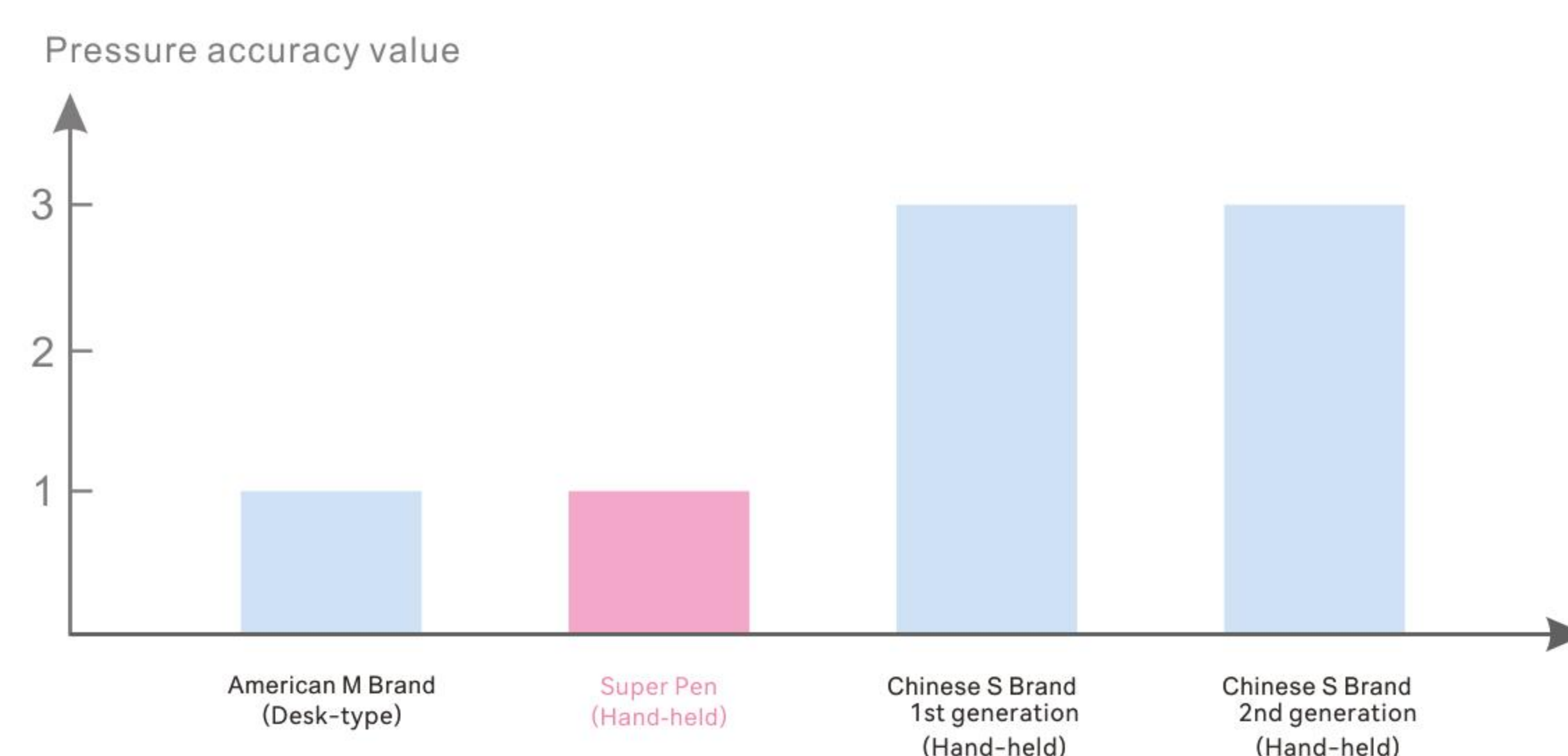


※For traditional manual injection, the injection speed and pressure are difficult to control, and it's easy to cause pain to the patient during the process



High-precision pressure sensor More accurate

- Built-in high-precision pressure sensor
- Adopt dual-pressure detection technology
- Accurate real-time feedback of pressure on the needle from skin tissue 3 times increased accuracy than similar products



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.



Wireless charging, long battery life

Handpiece adopts wireless charging design
Built-in 2000mAh battery in the base
Handpiece can be charged by placing it on the base, convenient and durable

Dental Electric Motor

M2 Pro



Scan for more details in website

Large color touch screen

3.5-inch LCD screen presents all functions
Easy to operate

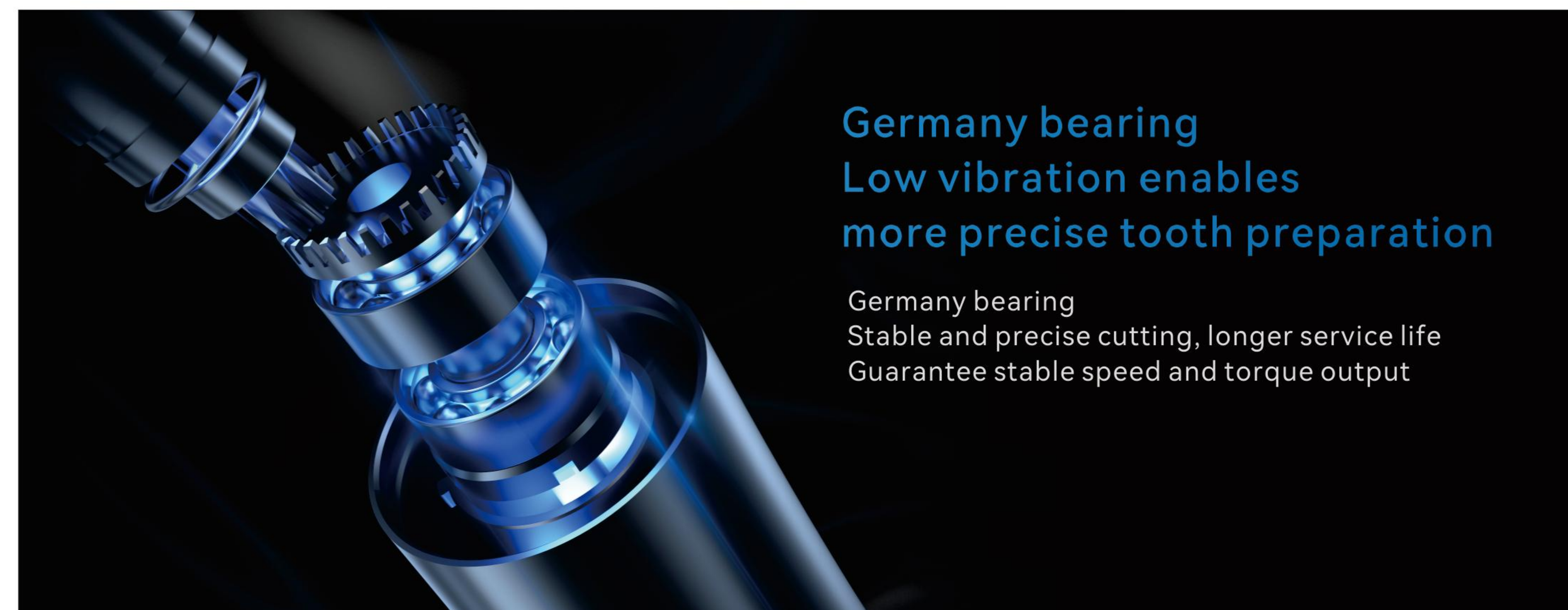
More accurate tooth preparation

More powerful crown-splitting
Safer operation



Germany bearing Low vibration enables more precise tooth preparation

Germany bearing
Stable and precise cutting, longer service life
Guarantee stable speed and torque output



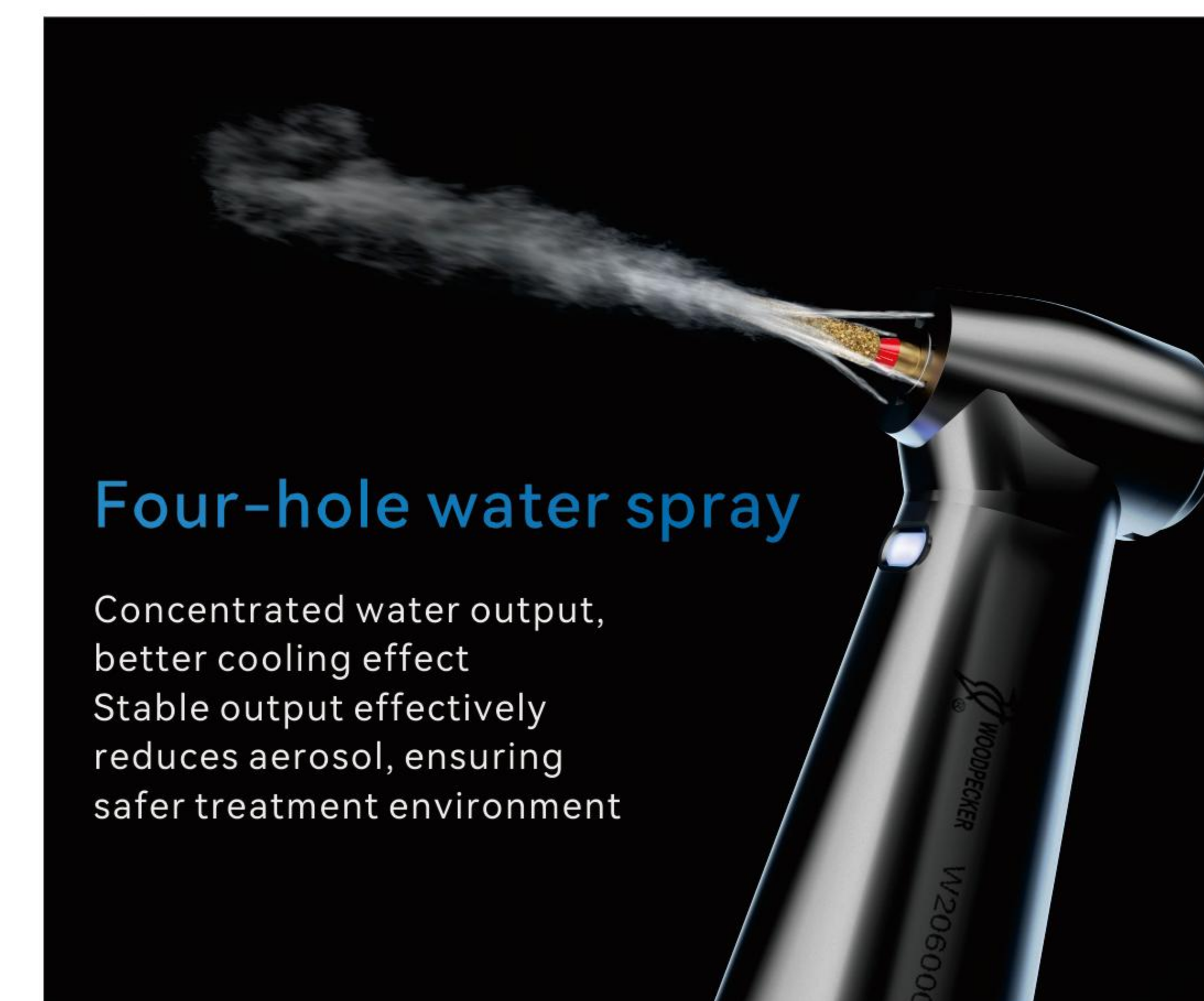
High performance brushless motor with higher torque and lower noise

Lower noise and more powerful crown-splitting
Low abrasion, low heat generation and longer service life



Four-hole water spray

Concentrated water output,
better cooling effect
Stable output effectively
reduces aerosol, ensuring
safer treatment environment



Minimally invasive restoration precise tooth preparation

Compared with turbine handpiece,
it features more stable output and larger clamping force
to grasp the bur tighter
Effectively improve the precision of polishing and tooth preparation



Preparation with
turbine handpiece
Rough surface with pits



Preparation with
electric handpiece
Smooth surface
without scratch

Dental Surgical Motor

ES5

Sterile Efficient Convenient



Scan for more details in website

STERILE

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

EFFICIENT

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

97.4%

Higher cutting efficiency than the turbine on the same bovine tooth

ES5

9.38s

Air turbine

18.52s

MORE POWERFUL

3.5N·cm brushless motor,
Less vibration with significantly reduced noise benefiting from constant high torque output,

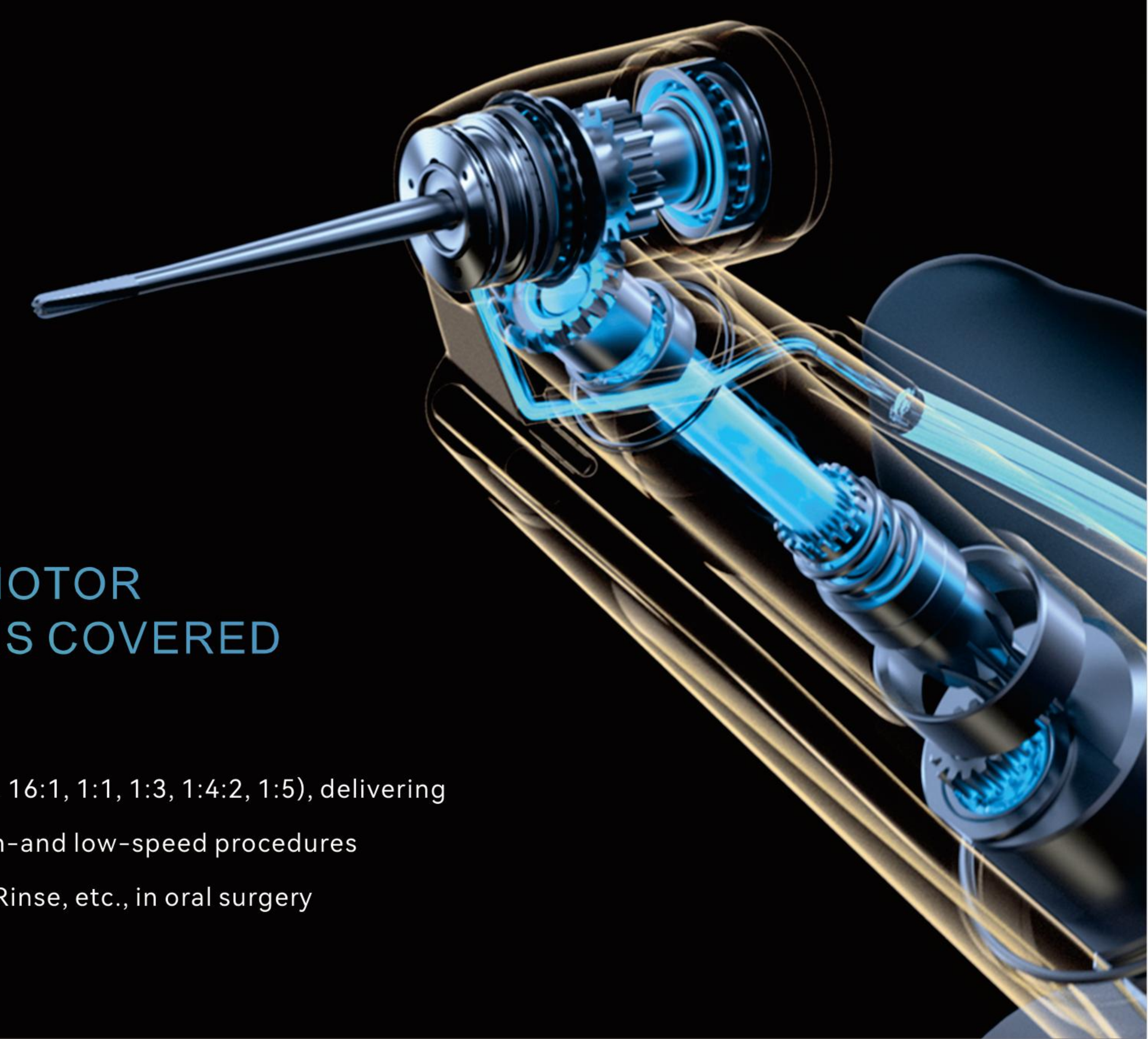
Accurate transmission of tactile feedback,
More powerful cutting

GERMAN BEARING

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

VERSATILE SURGICAL MOTOR ALL TURBINE FUNCTIONS COVERED

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



Dr. Yoshi Tips

- Received DDS in 1993
- Completed residency at Tokyo Medical & Dental University in 1995, where he also received PhD from the Department of Endodontics
- Published several articles in peer - reviewed journals nationally and internationally
- Authored in several chapters in textbooks including the 11th and the 12th edition of "Pathways of the Pulp" and "Endodontics: the 6th edition of Principles and Practice"
- Lectured nationally and internationally and was exposed twice on National TV for modern endodontics

Yoshi Terauchi

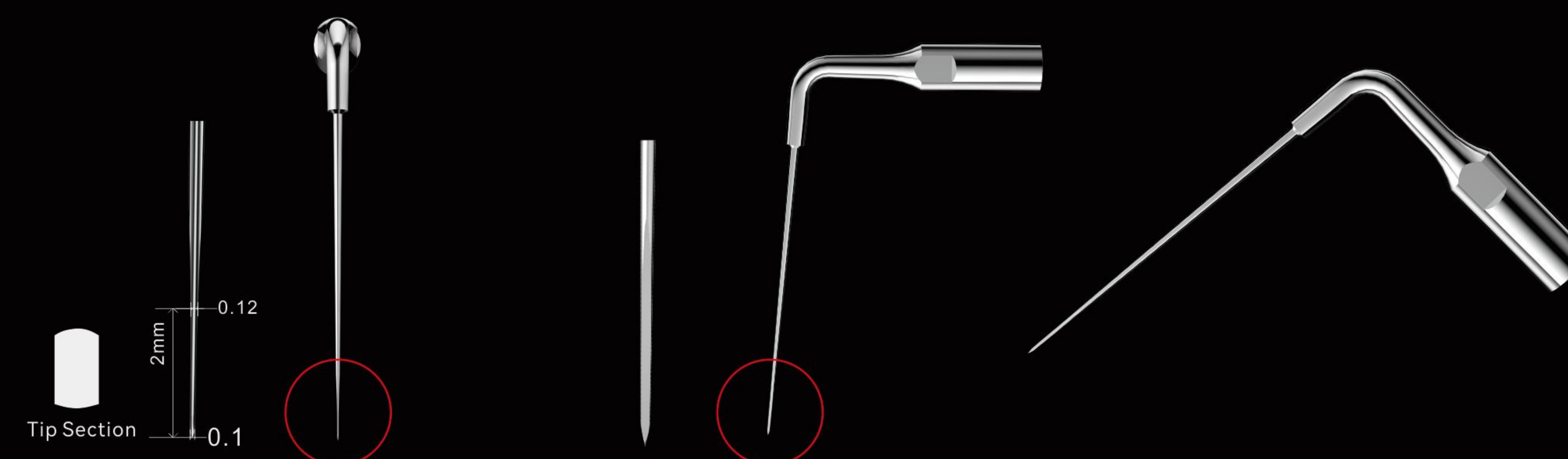
E87/ED87 (Jointly Developed with Dr. Yoshi Terauchi)

Tip for broken file removal. $\Phi 0.1$ mm tip head, extremely thin and conical, used to remove dentin around the broken file.



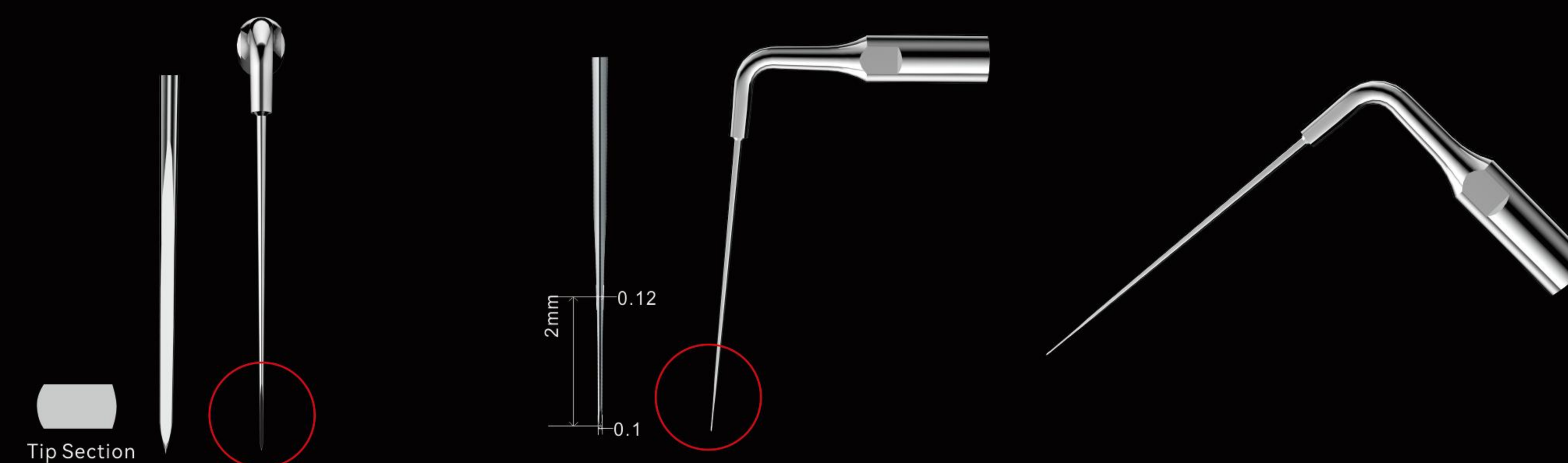
E88/ED88 (Jointly Developed with Dr. Yoshi Terauchi)

Tip for broken file removal. 0.1mm thickness tip head, extremely-thin sword shaped, front and back directed, used to remove dentin around the broken file.



E89/ED89 (Jointly Developed with Dr. Yoshi Terauchi)

Tip for broken file removal. 0.1mm thickness tip head, extremely-thin sword shaped, left and right directed, used to remove dentin around the broken file.

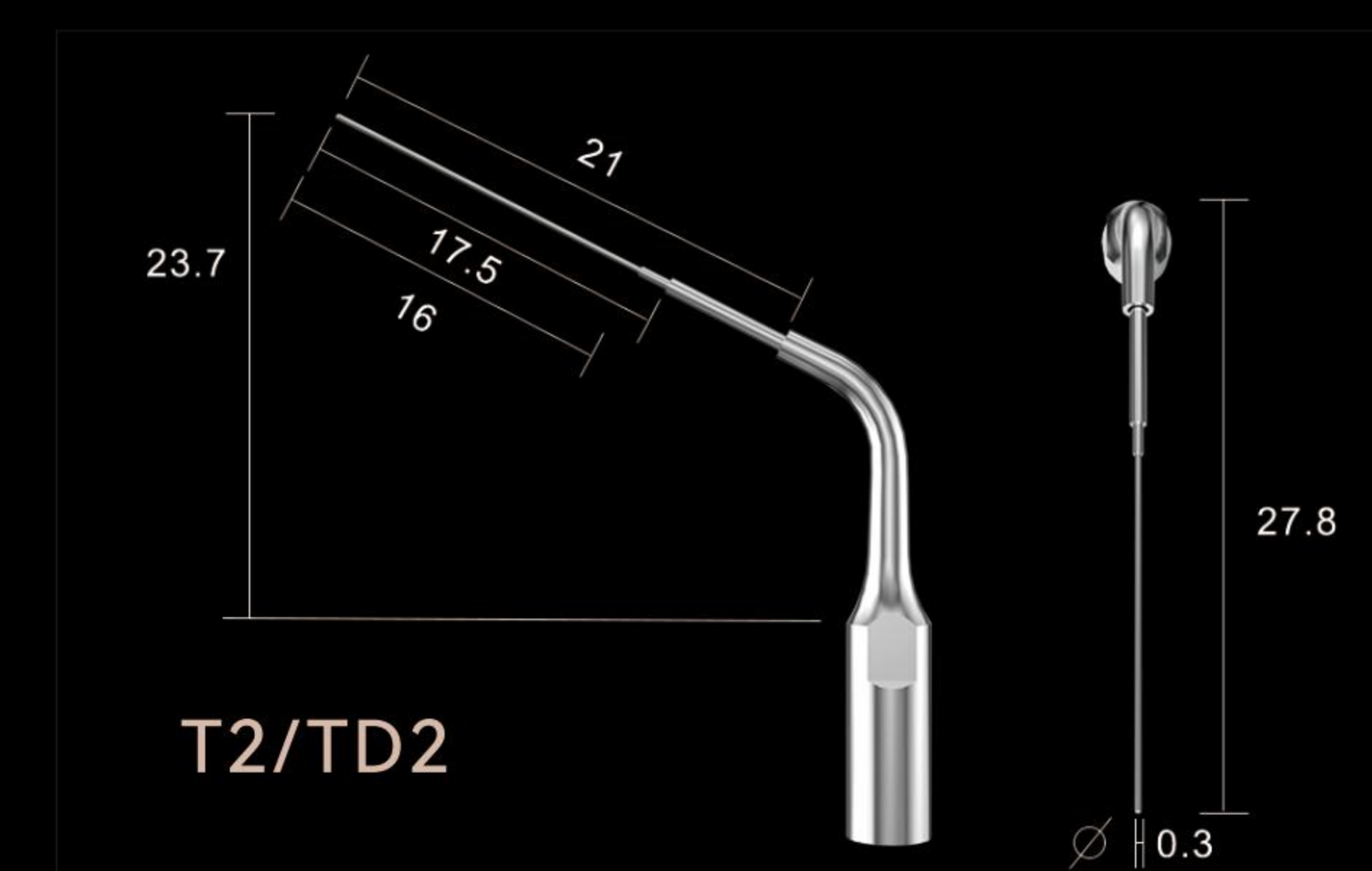


Dr. Talal's Endo Kit

Endodontic Ultrasonic Tips
By Dr. Talal Al-Nahlawi



One kit include:
tips×6, tip holder×1,
wrench×1, U file×6



Scan for more details in website



Dr Talal's Endo Kits
Demo Videos

PT-ATM

Dental Scaler and Air Polisher

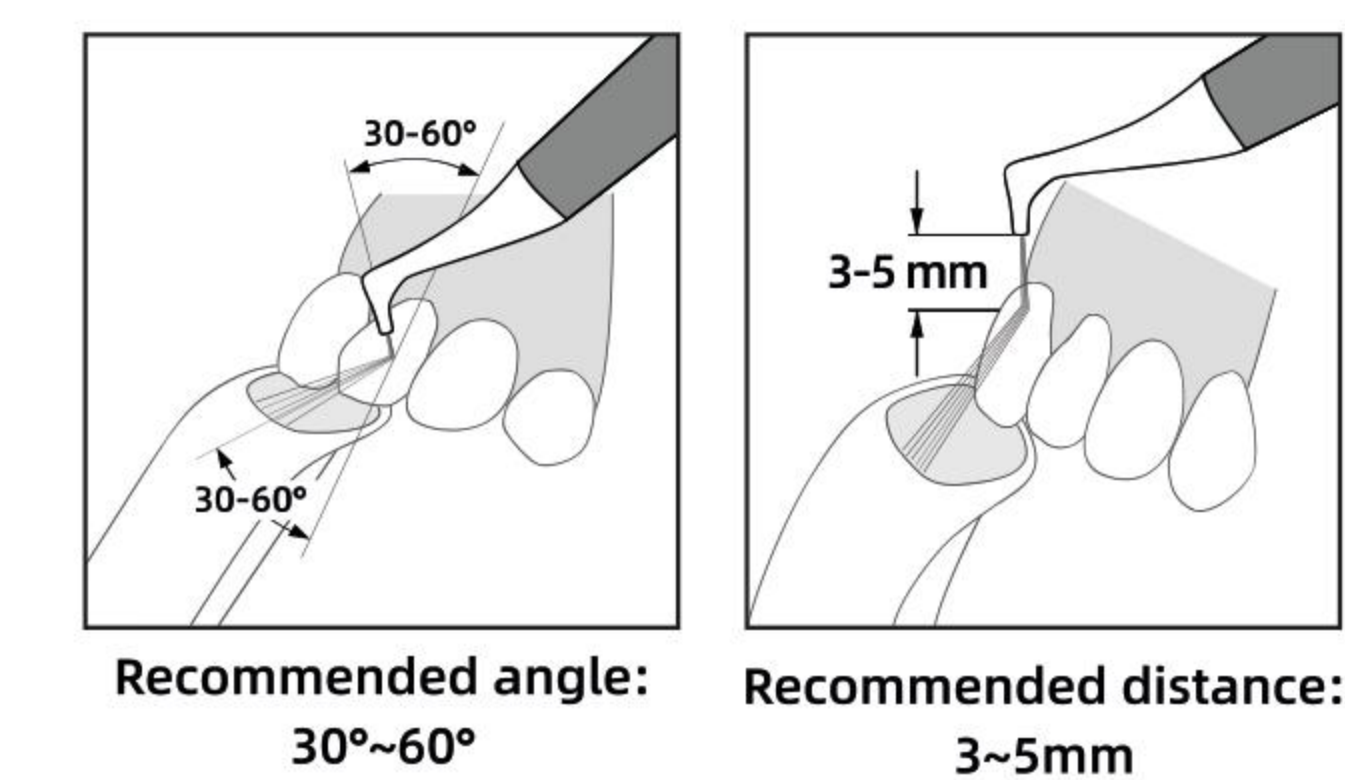
35 National Patents **5** Invention Patents
Air polishing+ Ultrasonic periodontal treatment +
Endodontic treatment + Implant maintenance
Efficient and comfortable plaque removal



Plaque Control

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

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



Three-section Air polishing Handpiece, easier for cleaning

Lightweight handpiece
Longer service life



SUPER PRO 65μm erythritol supragingival powder

Used for removal of biofilm, pigment and soft dirt on the adult supragingival, providing 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 stubborn pigment, soft dirt and biofilm on the adult gingival.

GENTLE MINI 25μm glycine subgingival powder

25μm glycine is gentle and non-invasive to the soft tissue in the periodontal pocket, and to the gingival, upper jaw as well as dental tissue surface, can be used for maintenance of pediatric teeth, women's teeth, orthodontics, restorations, periodontal and implants.



Scan for more details in website

AP-B

Faster scaling

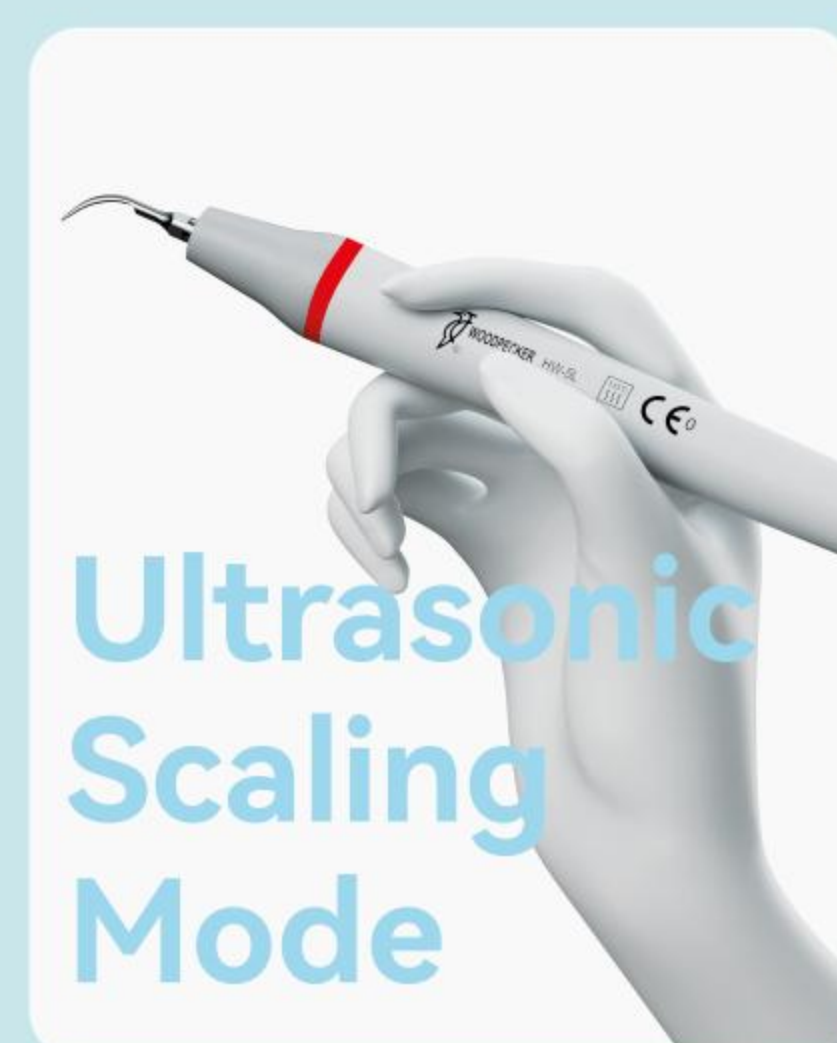
Dental Scaler and Air Polisher



Automatic identification of scaling mode

Pick up the Air Polishing Handpiece to automatically enter the Air Polishing Mode

Pick up the Ultrasonic Handpiece to automatically enter the Ultrasonic Scaling Mode



Scan for more details in website

Faster and more convenient scaling

Optimized piping structure

New aerodynamic design

Reduce fluid pressure loss

Effectively remove plaque and pigment

Two-in-one: Supragingival & subgingival mode

Three-section handpiece design

Detachable handpiece, easy for negotiation if clog occurs
Lightweight design for lower hand fatigue

Small-caliber nozzle
More concentrated powder output
More accurate scaling



AP-A

More efficient scaling

Dental Air Polisher

Ergonomic design

Fully transparent funnel-shaped powder tank

Stable powder output

360° rotatable, allowing real-time observation of powder flow in the tank

Compact and lightweight

The main unit weighs only 2kg

Space - saving base design



Scan for more details in website



K-Po

Woodpecker brings you a comfortable treatment experience, farewell to the traditional polishing mode.

Wireless handpiece
Dual-control design
Cost-effective
Large-capacity lithium battery

Disposable prophy angle prevents cross-infection
Detachable and autoclavable outer sheath offers effective protection for motor handpiece



Dual control design enables easy operation
Wireless charging



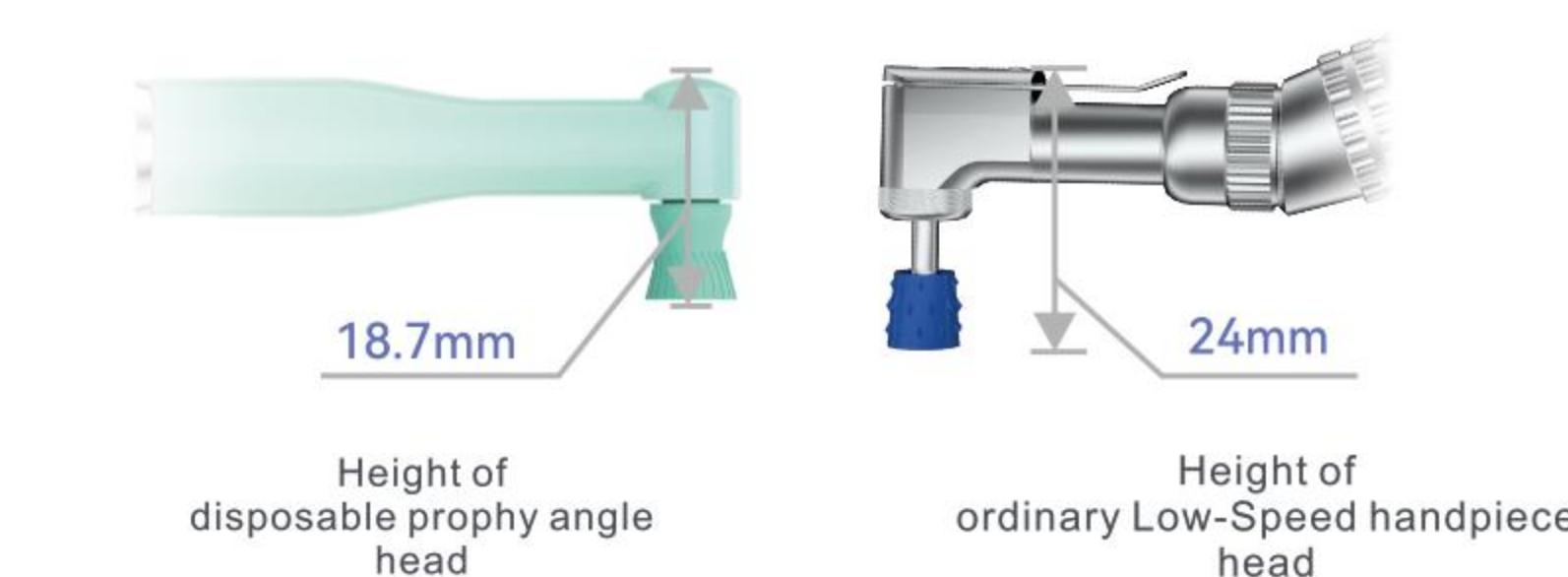
Handpiece Control
Button control, Stable speed
6 gears optional:
500rpm 1000rpm 1500rpm
2000rpm 3000rpm 4000rpm

Foot pedal Control
Non-gear shift control mode
Speed range: 0 ~ 4000rpm
The speed will increase according to the depth of the pedal depressed

750mAh large capacity lithium battery
5h continuous working
A full charge can be used for at least 60 treatments

Noiseless high-quality motor

Small head brings greater comfort



Slim handpiece with anti-slip design



18mm diameter
Fish scale soft rubber design
guarantees non-slip grip.

② Prophy Angle Cup - Hard

Used for polishing and cleaning teeth surface, bringing comfortable experience without harm to teeth, effectively removing biofilm and pigment

⑤ Prophy Angle Brush - Sharp

Used to remove common stains on adjacent surfaces of teeth

① Prophy Angle Cup - Soft

Used for polishing tooth surface, preventing staining, perfecting and repairing tooth enamel

③ Prophy Angle Cone

Used for gingival nipple massage and adjacent surface polishing

④ Prophy Angle Brush - Flat

Used to remove common stains on the tooth surface



Scan for more details in website

PT 3 main specifications:

Frequency: 28000Hz	Tips hardness: 30HRC
Vibration amplitude: 20~60um	Treatment depth:14mm

PT 5 main specifications:

Frequency: 28000Hz	Tips hardness: 30HRC
Vibration amplitude: 20~60um	Treatment depth:14mm

PAINLESS PERIODONTAL TREATMENT DEVICE

Treatment effect:



Implant maintenance P95
Implant cleaning and maintenance



Root canal treatment



**ENDO SCALING
FAST & COMPLETE**



After scaling, there is no smear layer on root canal surface, only a few amount of debris left.

Endo scaling (E60)

For removing the calcification and bad fillings in root canal (E3D)

For removing the calcification in the coronal third of the root canal (P4D)

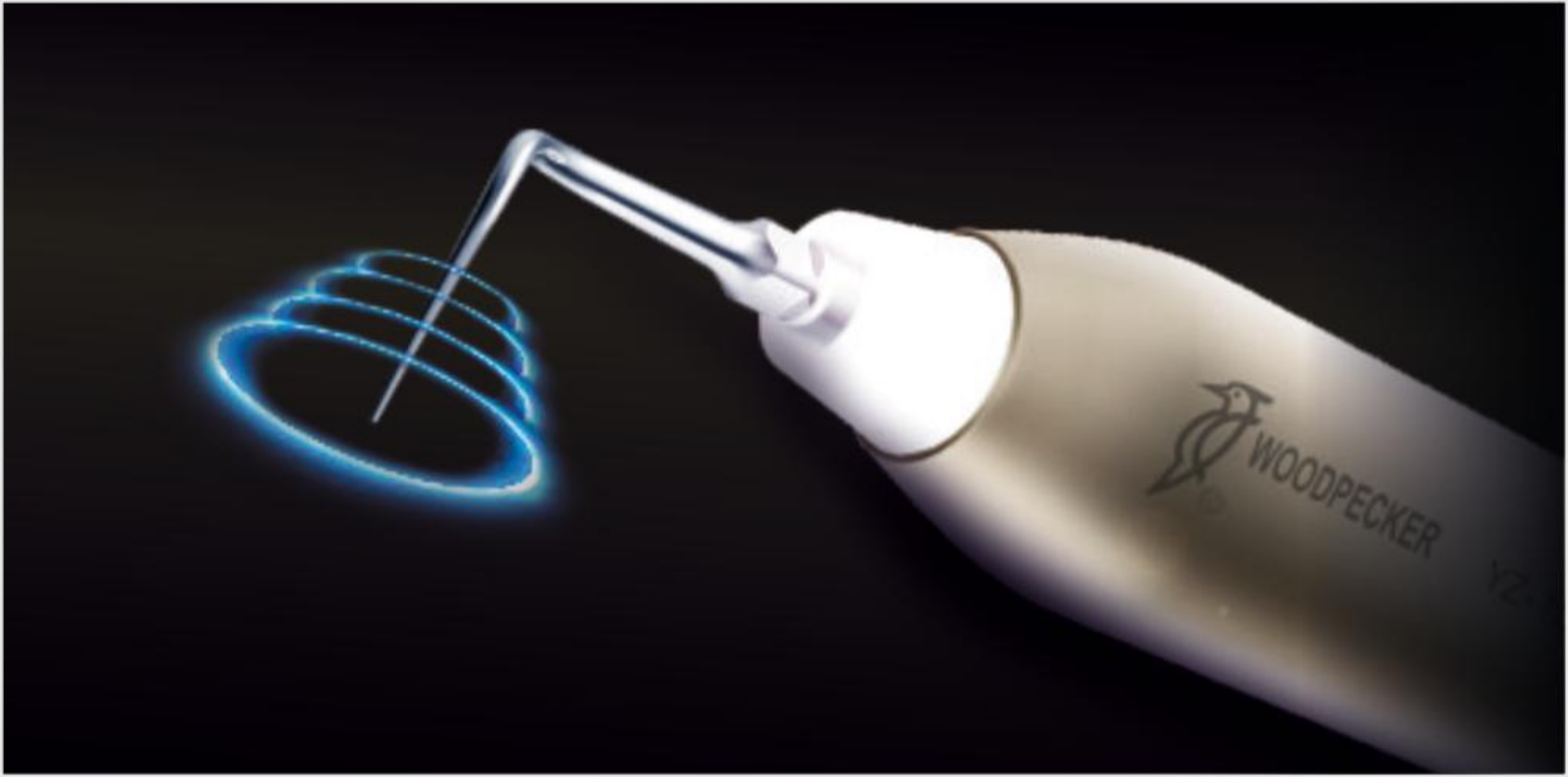
Looking for root canal orifice (E12D)

Root canal retreatment, removing foreign body (E6 E7 E14 E15)

Diamond-coated, ball head, for looking for root canal orifice with security, accuracy and efficiency

Special material (E6, E7), extremely thin and soft, good conductivity to ultrasound

Elliptical vibration track endows polishing function.



P50RT	P50LT	P52T	P56T	P59T	P90T
X1	X1	X1	X1	X1	X1

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



Scan for more details in website



Scan for more details in website

U600^{LED} Ultrasonic Scaler

Intelligent power output Experience painless treatment



Supragingival scaling Subgingival scaling Endodontic irrigation



Scan for more details in website

Endodontic irrigation



After ultrasonic irrigation, there is no smear layer on surface but a few amount of dentin debris in the root canal.

Root canal irrigation is the most widely used clinical support methods. Its purpose is to remove the substance inside root canal, dissolve diseased tissue, remove pathogenic microorganisms, and remove smear layer. Lubricate the root canal internal wall. During root canal preparation process, prevent the infectious substance from being pushed to the deep part or out of the apical foramen, reducing the risk of instrument fracture in root canal.

Compared with the traditional syringe irrigation, ultrasonic irrigation can better remove bacteria, dentin debris, and smear layer in root canal. And it can well clean special structures such as the lateral branch canal and root canal narrow area. Currently, ultrasonic irrigation is widely used in endodontic therapy in order to receive a better root canal preparation effect.



Scan for more details in website

U6^{LED}

New Era for Scaling

Expert in comfortable scaling

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



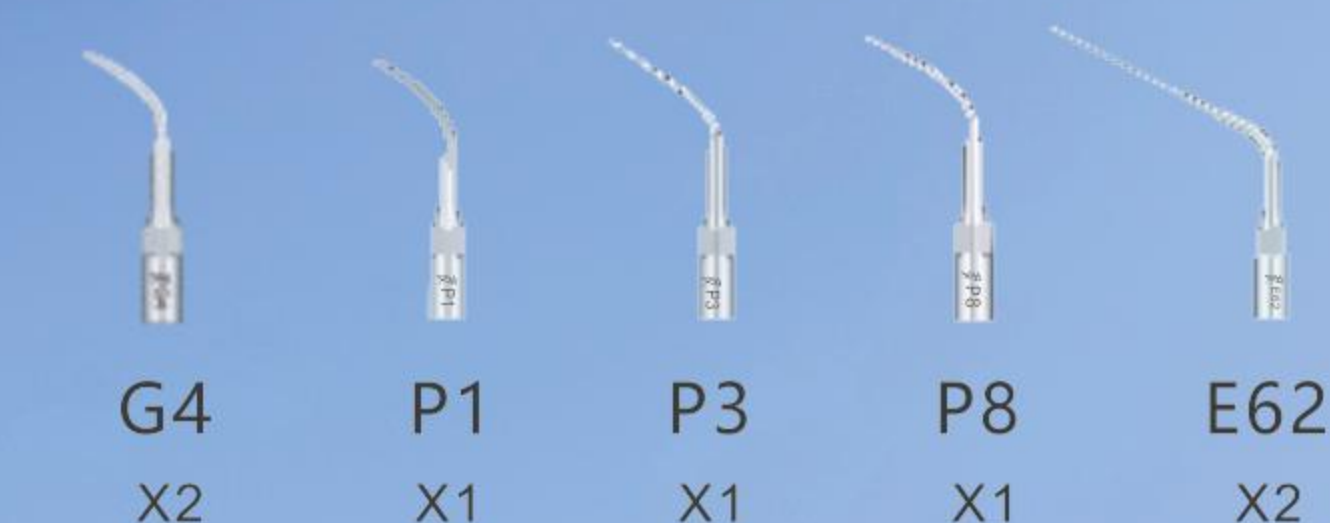
Main unit input: ~24v 50hz

Water pressure: 0.01MPa-0.5MPa

Frequency: 28kHz ±6kHz

Main unit weight: 0.628kg

Dimensions: 175mm×144mm×77mm



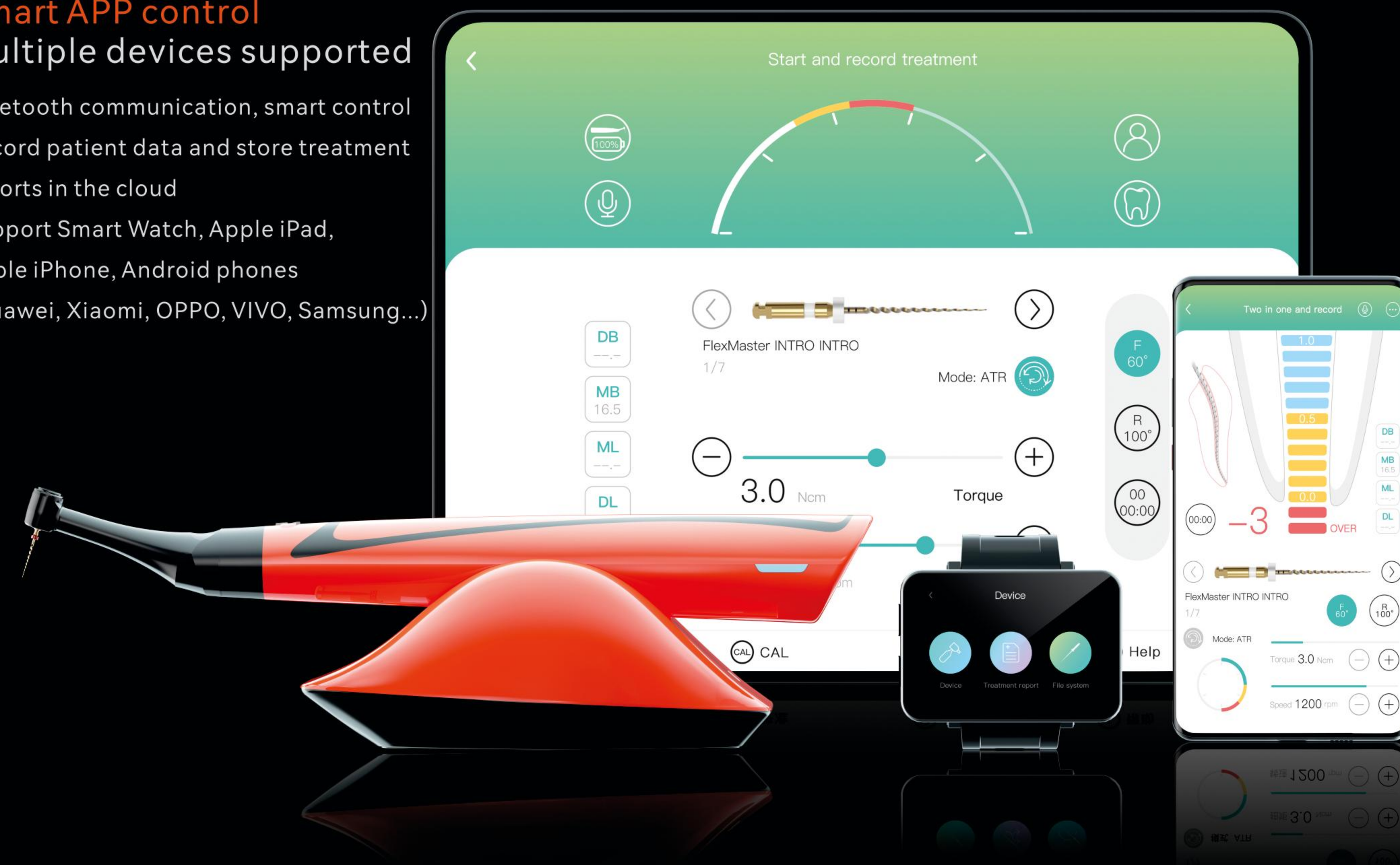
Woodpecker reserves the rights to change the tips configuration without further notice.

Smart A

Powerful and intelligent output safeguards your endodontic journey

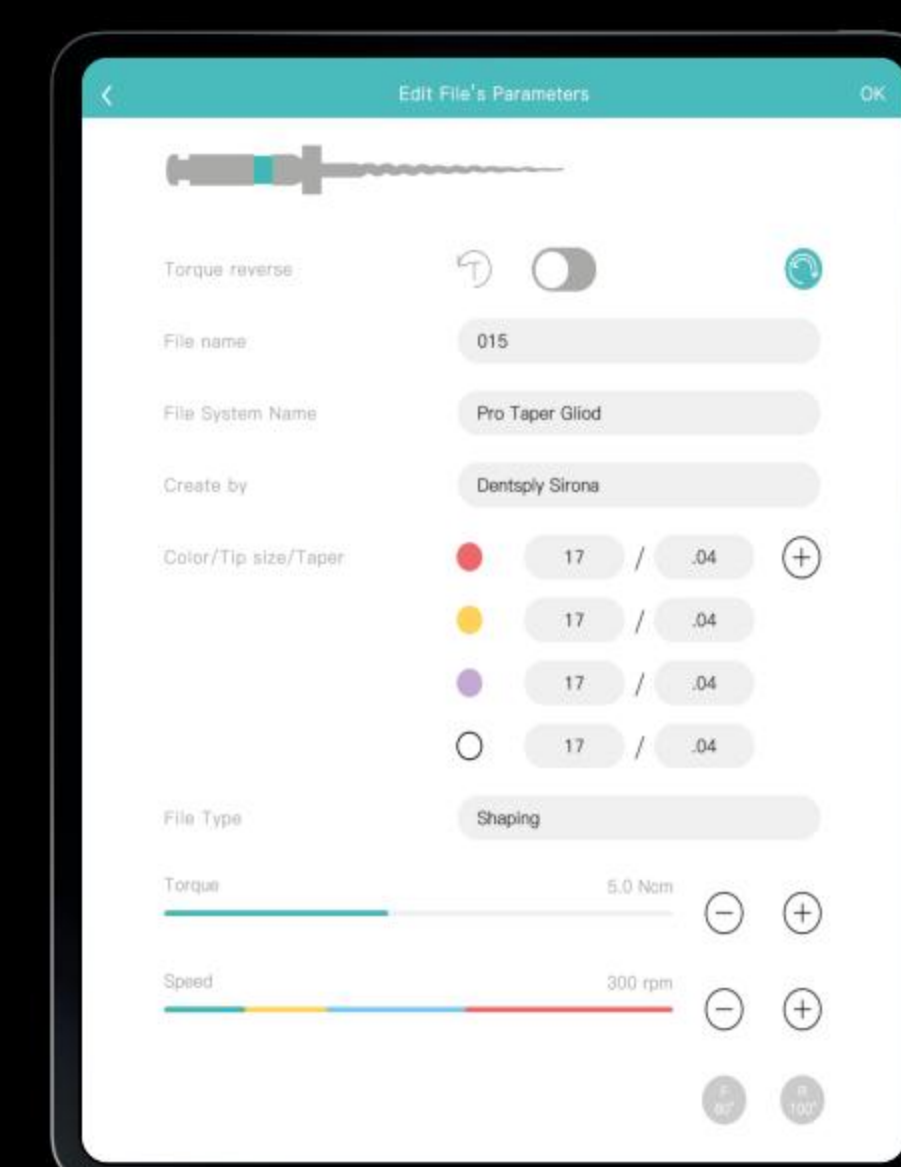
Smart APP control Multiple devices supported

Bluetooth communication, smart control
Record patient data and store treatment reports in the cloud
Support Smart Watch, Apple iPad, Apple iPhone, Android phones (Huawei, Xiaomi, OPPO, VIVO, Samsung...)



Customized treatment plan Files from different brands available

Files from different brands can be selected from the database to establish a new "CommonFileSystem". The name, file sequence and working parameters of the new file system can be determined as you wish. (The files not in the database can also be added by yourself.)



Voice control by vivi Nearly hands-free

Through the voice command "hi-vivi", you can: Control the device switch and handpiece parameters; Adjust the speed, torque, forward and reverse rotation mode, reciprocating mode, reciprocating angle, file type, etc.



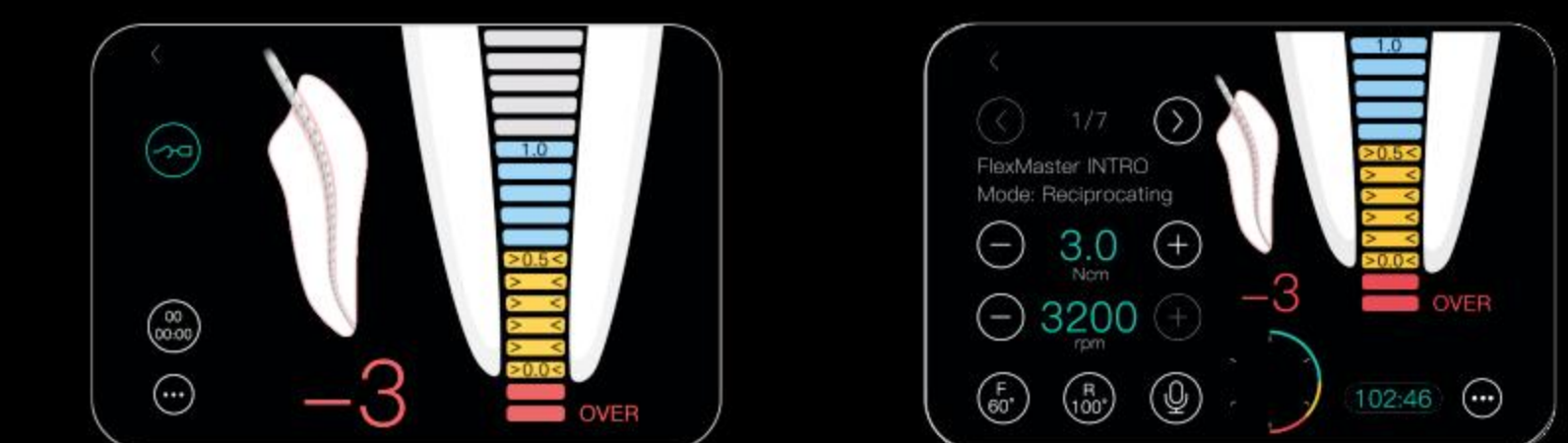
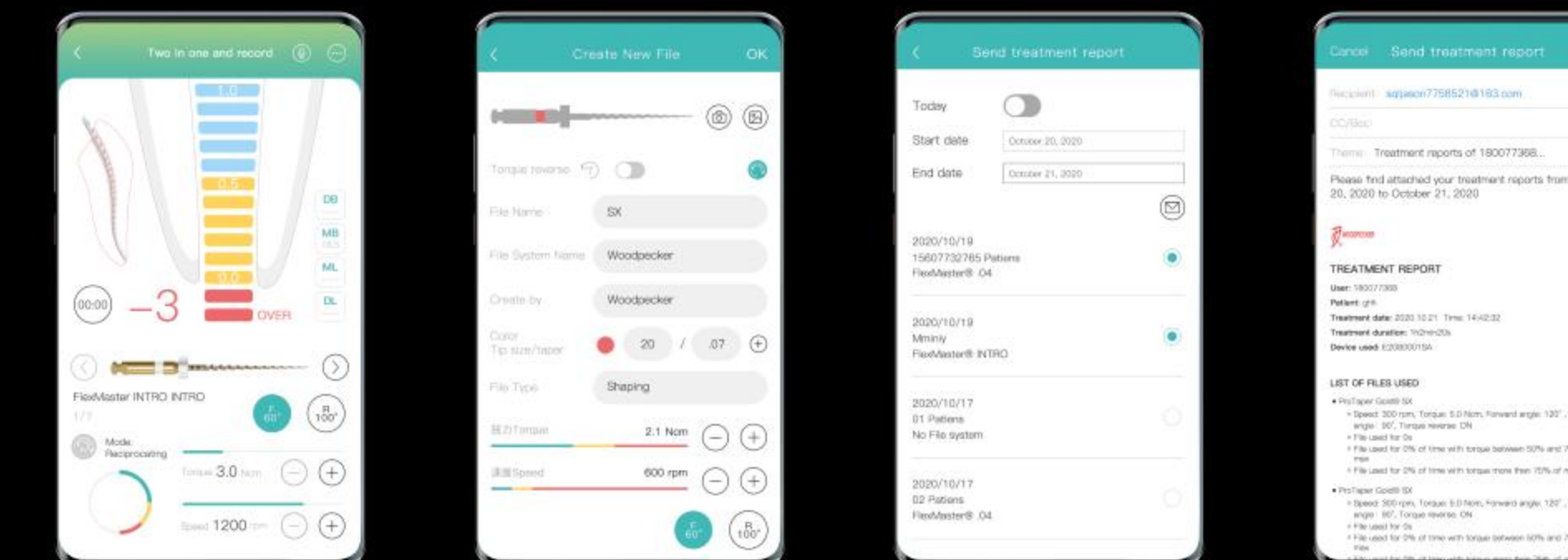
High configuration Regular update

Optional Smart Watch for voice or touch screen control
Regular update of the system and program for timely grasp of the latest file database information



Cloud storage of treatment report delivers personal customization

Auto storage of basic patient information, treatment data and file usage time
Each dentist can create a personal account
Realize single device with multiple users, but independent information storage



Start measuring and record

Integrated apex locator and record ATR mode



Start treatment and record Continuous mode



File system options

Jointly-developed Advanced device performance + Your exquisite technique = A Perfect Match



COOPERATION WITH SUPREME ENDODONTIST

BB MODE & LB MODE DEVELOPED

BB MODE

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

BB is the abbreviation of "block bypass". Sometimes there is dentin debris or pulp residue blocking the apex. This rotation with up and down motion can bypass the block.

LB MODE

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

LB is the abbreviation of "ledge bypass".

There are many reasons for ledge formation.

Ledge bypassing is needed to locate the original root canal.

First, make the pr- bent file bypass the ledge.

Once the ledge is bypassed, start the switch again to adjust to the continuous motion state.

Impressive reciprocating mode

Adjustable rotation angle in reciprocating mode
Adjustment range: 5°-400°
Adjustment interval: 5°



Scan for more details in website

Ai-Motor

Woodpecker Brushless Endo Motor
REDESIGNED FOR EXPERTS

Dr. Yoshi Terauchi

Customized
reciprocating angle

Integrated
apex locator mode
delivers
safety protection

High performance
brushless motor

Safe ledge bypassing

Mini
contra-angle

Stable operation
enables efficient
preparation



Scan for more details in website



Yoshi Terauchi

High performance brushless motor

(about 10 times the service life of brush motor)

Stable cutting can still be ensured at the narrow or curved apex.

Reduce the risk of instrument separation and improve preparation efficiency.



Integrated apex locator mode delivers safety protection

Auto start/stop at root canal orifice

Auto slowdown at narrow apex

Auto reverse/stop at apical stop



Apex locator
alone mode

Integrated
apex locator
mode

Mini contra-angle

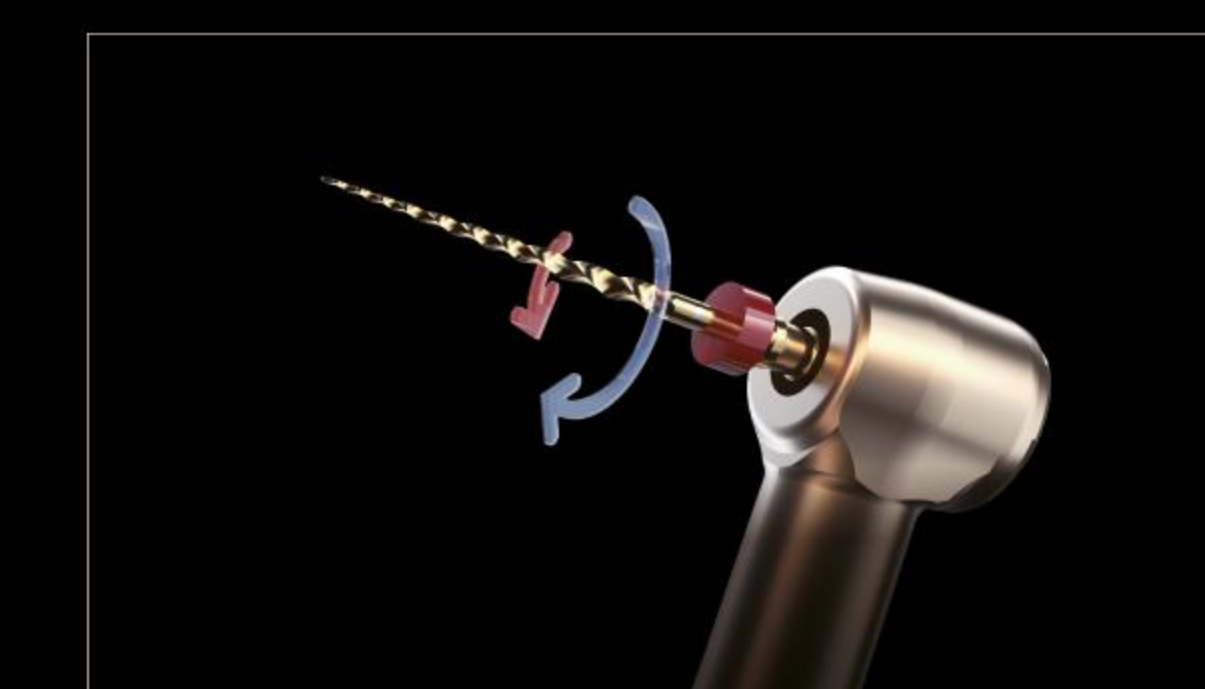
Easier preparation of posterior teeth
Clearer and broader surgical field.

8.0 mm Diameter
9.7 mm Height
360° Rotatable
contra-angle



Safe ledge bypassing

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. The speed and torque can be adjusted within the range of 100-500rpm and 2.0-5.0N.cm respectively, enabling safer preparation.



Stable operation enables efficient preparation



Customized reciprocating angle

Adjustable rotation angle in reciprocating mode.

20°-400°
Adjustment range

10°
Adjustment interval



1st Brushless ENDO MOTOR

Ai-Motor

Super mini head & Slim neck

Stronger power

Precise rotation

Lower noise

Balanced Weight

Speed range : 100-1200 RPM
Torque range : 0.4-5.0N·cm
Reciprocating angle
adjustment range : 20°-400°



Scan for more details in website

ENDOMATIC

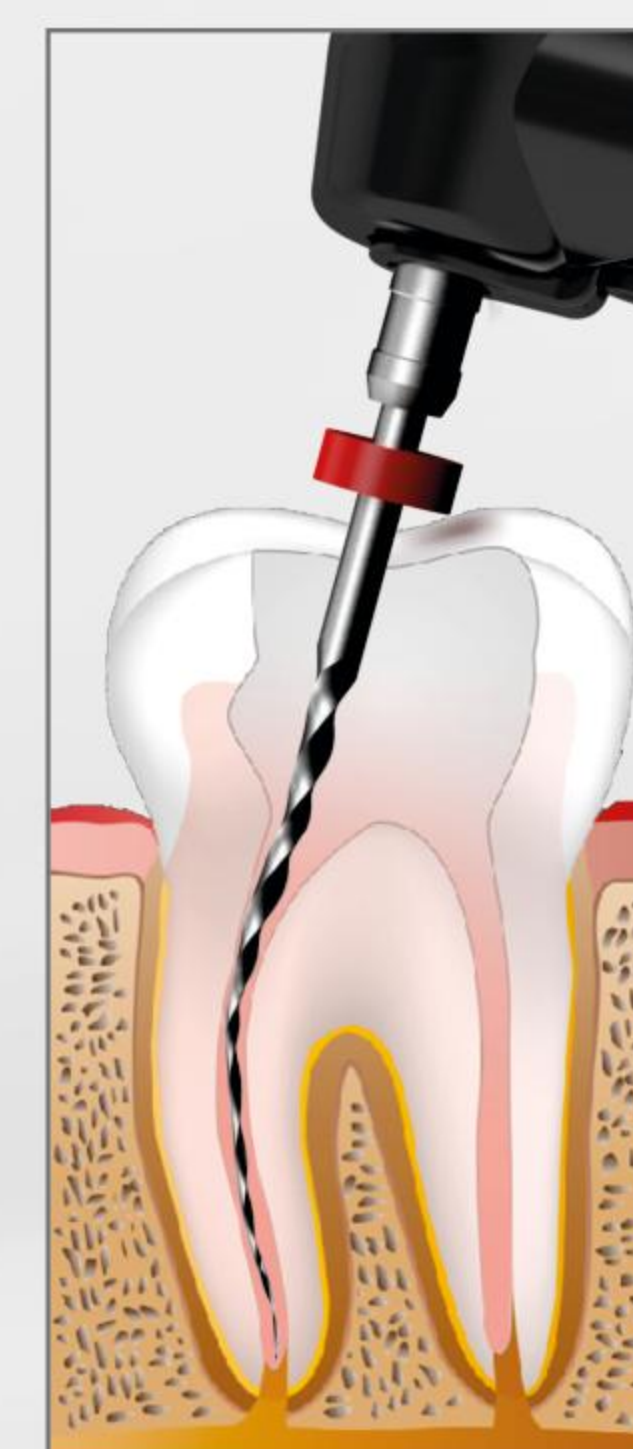
Cordless Endo Motor built-in
Apex Locator

Maximum compatibility

Wide torque and speed range make it
compatible with various file systems.

Speed range : 100-1000 RPM

Torque range : 0.4-5.0 N.cm



Integrated length determination

All-angle OLED screen

Adjustable Contra-angle

Speed range : 100-1000 RPM
Torque range : 0.4-5.0N·cm



Scan for more details in website

Endo Radar Pro

Upgraded star product

Brushless Endo Motor with two-in-one function and compact handpiece

Two-in-one function enables the root canal preparation with simultaneous length control

Super-mini handpiece

Brushless motor

Cordless



Scan for more details in website

Two-in-one function

A. Auto start and stop

Automatically start when the file is inserted into the canal, and stop rotating when it leaves the canal.

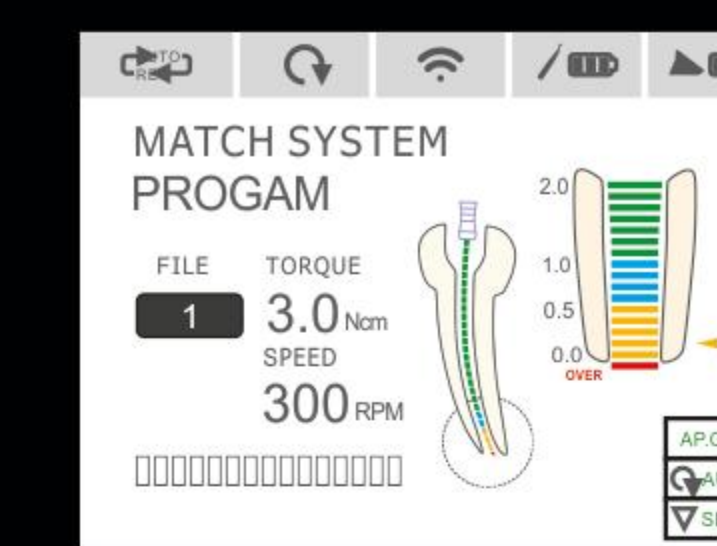
B. Auto apical reverse and auto apical stop

Automatically reverse and stop when the file reaches the apical stop.

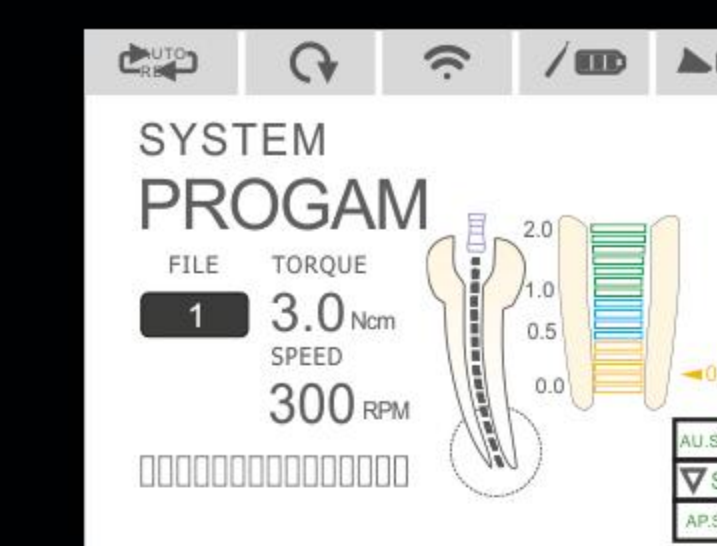
C. Auto apical slowdown

The file slows down as it gradually approaches the apical stop.

① Root canal preparation with simultaneous length control

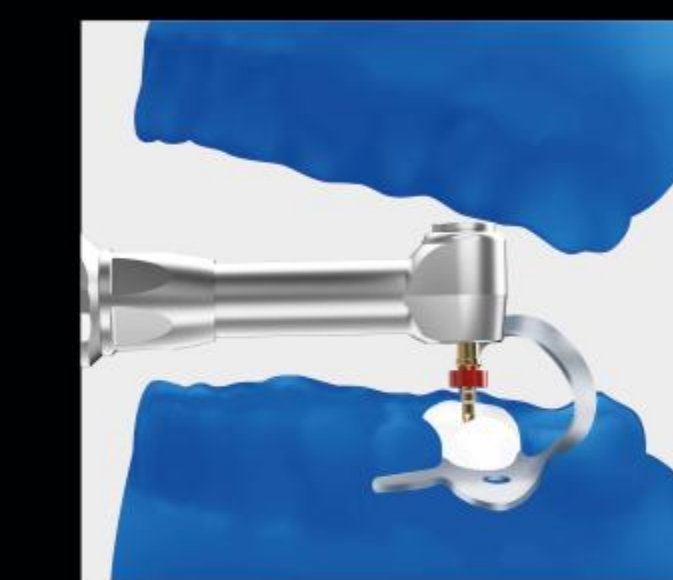


② Length determination only

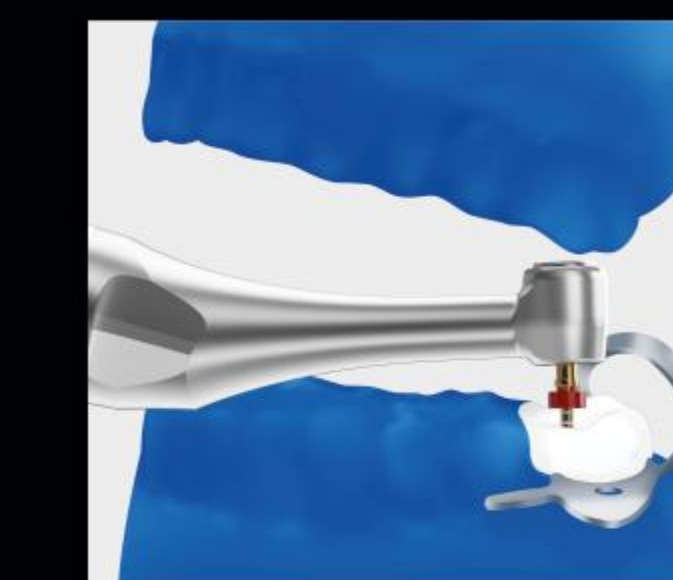


Super-mini contra-angle

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



Head and neck of ordinary contra-angle



Head and neck of Woodpecker super-mini contra-angle

Ultra-compact and cordless handpiece enables better hand feeling

Handpiece diameter reduced by 2mm, circumference reduced by 7mm
Control the handpiece with wireless signal, without the restraint of tail cord



Endo Radar Plus

Endo Radar Pro

Diameter reduced by 2mm
Circumference reduced by 7mm

6:1 speed ratio

Ensure low speed and stable rotation under high torque.

360° rotatable handpiece

The contra-angle can be rotated directly without being pulled out, which is convenient for the preparation of different teeth.



High performance brushless motor

Adjustable reciprocating angle with 10° interval

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

ATR mode: After the preset torque is reached, the file will reciprocate according to the set angle.

Accurate control of the rotation angle reduces the risk of instrument separation and enables more efficient and safer preparation.



1st Brushless ENDO MOTOR

MotoPex

Super mini head & Slim neck
Stronger power
Precise rotation
Lower noise
Balanced Weight



Speed range : 100-1200 RPM
 Torque range : 0.4-5.0N·cm
 Reciprocating angle
 adjustment range : 20°-400°



Scan for more details in website

Endo Smart +

New generation **Brushless Endo Motor**
 Brings you a new experience in root canal treatment



Apical Action Reverse	Auto Apical Reverse/Stop
Auto Start ON	Auto Start
Auto Stop OFF	Auto Stop
Apical Slow Down ON	Auto Apical Slow Down

Speed range : 100-1200rpm
 Torque range : 0.4-5.0N·cm
 Reciprocating angle
 adjustment range : 20°-400°

6:1

Super mini contra-angle
Combined length determination mode



Scan for more details in website

Feather Light Only 106.8g

Endo Pace

- **Lightweight handpiece**
Easy preparation
weight: 106.8g (handpiece & contra-angle)
- **Brushless motor**
Strong power
- **10 times the service life of brush motor**
- **Four working modes**
For safer and more efficient preparation



Scan for more details in website

Feather Light Only 106.8g

Endo Free

- **Lightweight handpiece**
Easy preparation
weight: 106.8g (handpiece & contra-angle)
- **Brushless motor**
Strong power
- **10 times the service life of brush motor**
- **Four working modes**
For safer and more efficient preparation



Scan for more details in website

Ai-Pex



Scan for more details in website

THE MAIN TECHNICAL SPECIFICATIONS

Working time: 5h20min

Charging time: 3h

Battery: 3.7V/2000mAh

Input: ~100V-240V 50Hz/60Hz 0.4A

Consumption power: $\leq 0.5W$

Screen: 3.8-inch LCD screen

File clip $\times 4$ (Coated with biological silica gel)

Lip hook $\times 5$ (Made of medical-grade stainless steel)

Apex locator probe $\times 2$

Pulp vitality probe $\times 2$

**CONSTANT CURRENT ENABLES
MORE ACCURATE MEASUREMENT**

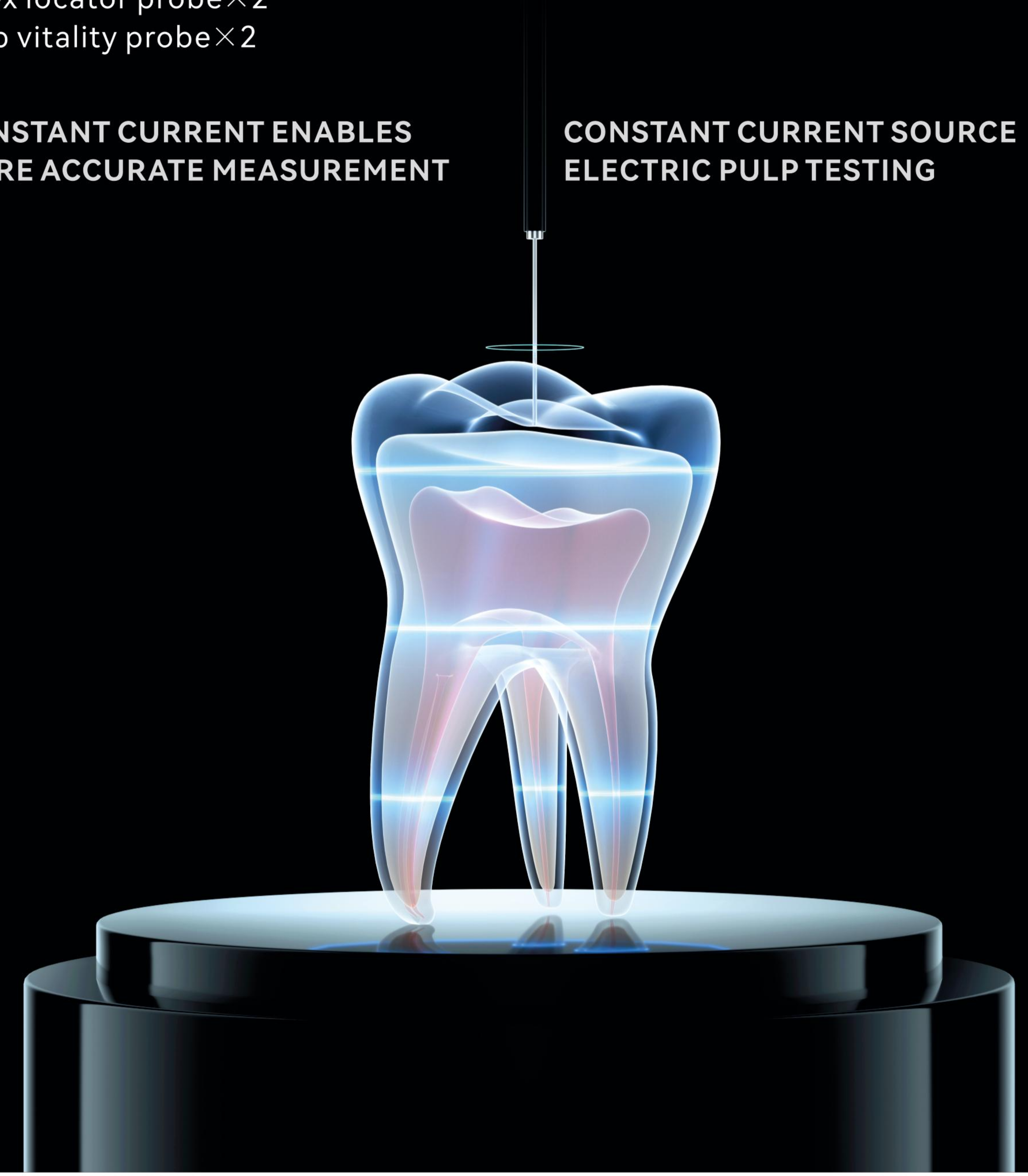
OPERATION CONDITION

Environment temperature: $+5^{\circ}C \sim +40^{\circ}C$

Relative humidity: 30%~75%

Atmosphere pressure: 70kPa~106kPa

**CONSTANT CURRENT SOURCE
ELECTRIC PULP TESTING**





APEX LOCATOR WOODPEX V

17 National Patents 5 Invention Patents



Apex locating and preparation Two-in-one

Be able to connect compatible Endo Motor to realize real-time data transmission.

Simultaneously realize apex locating and root canal preparation.



Scan for more details in website



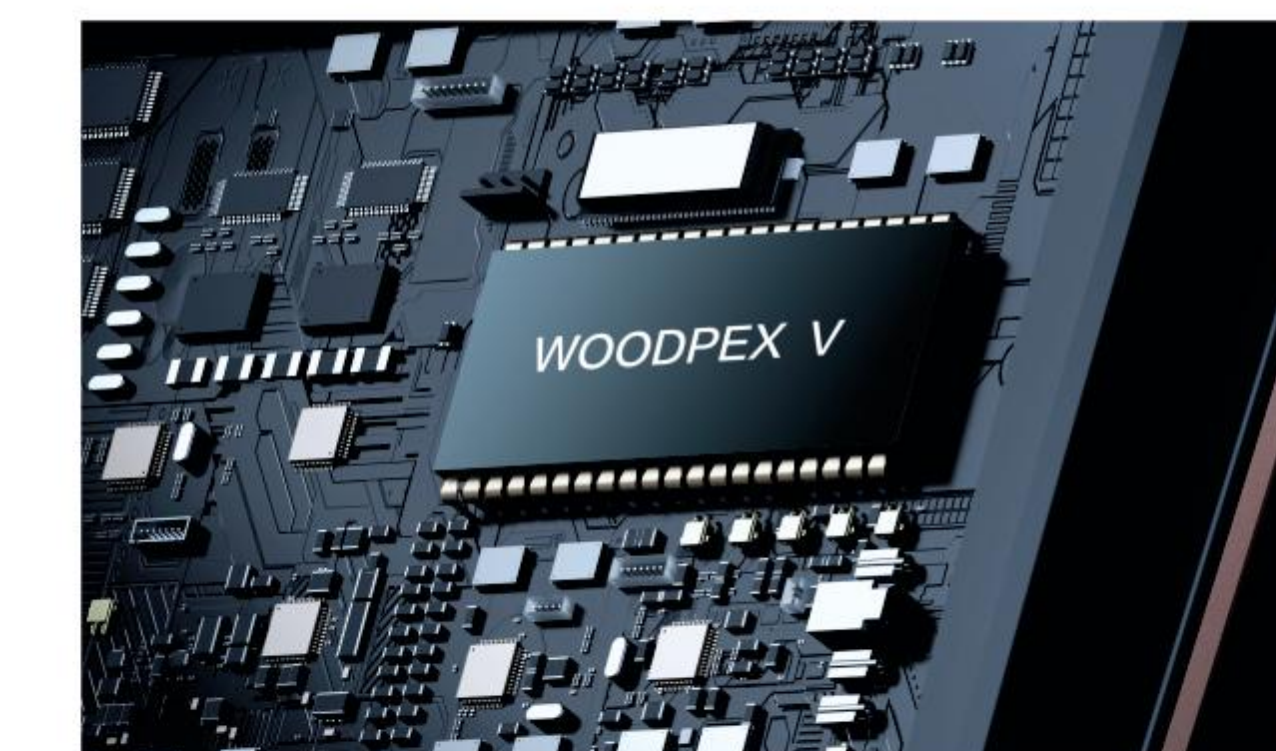
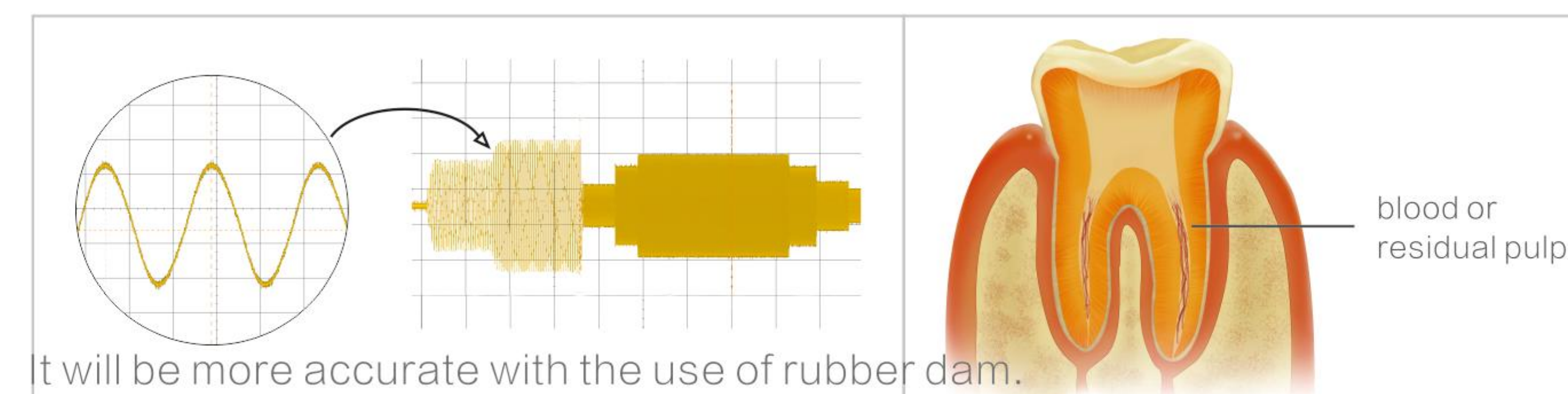
More than accurate



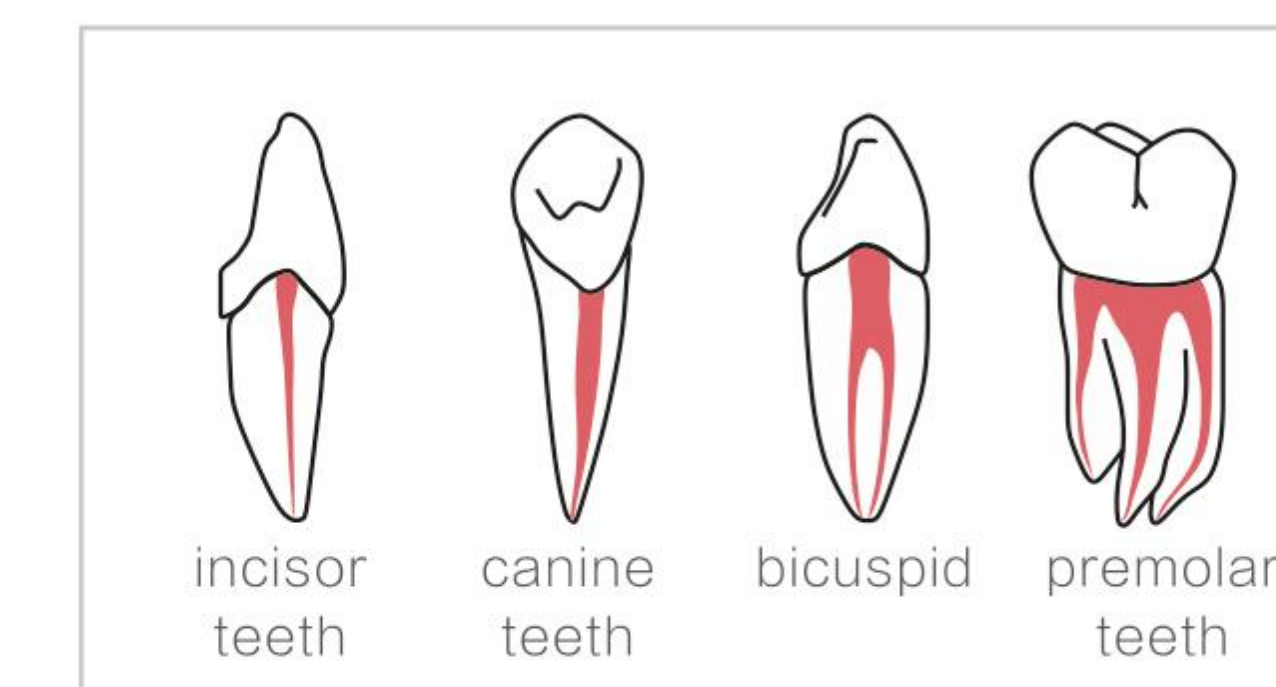
Newly upgraded algorithm makes it more stable and enables stronger anti-interference ability.



Multi-frequency apical position technology guarantees accurate measuring even there is blood or residual pulp in the root canal.



Measurement results will not be affected by the tooth type.



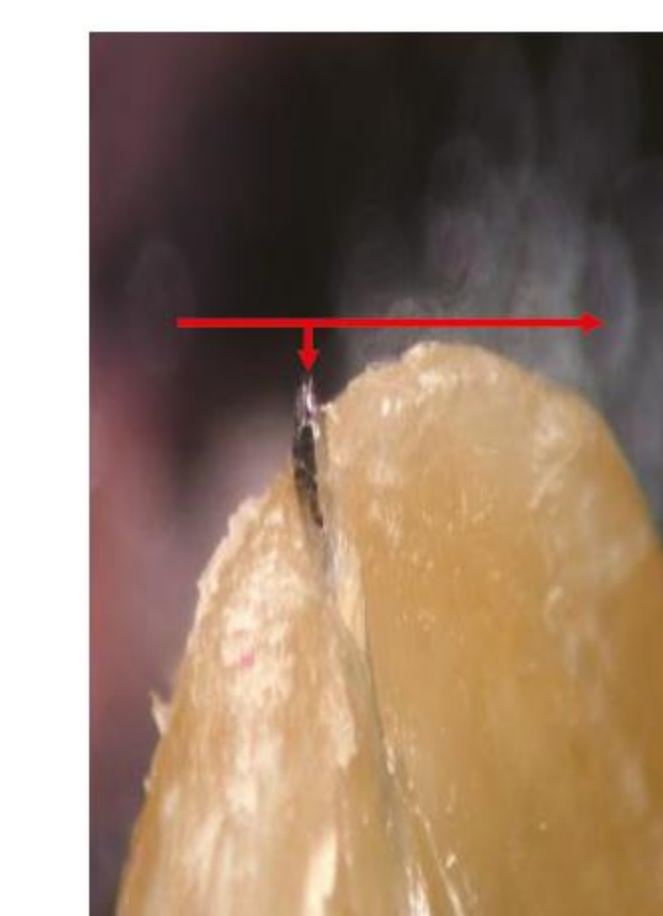
The defect of traditional measurement method

Disadvantage of handing method

Based on hand feeling and patient's pain, dentists decide whether the measuring tool reaches apical foramen, with high subjectivity and low accuracy. Foreign literature suggest that providing the range of error ± 0.5 mm, accuracy of handing method is only 42%.



X ray film shows under-filling

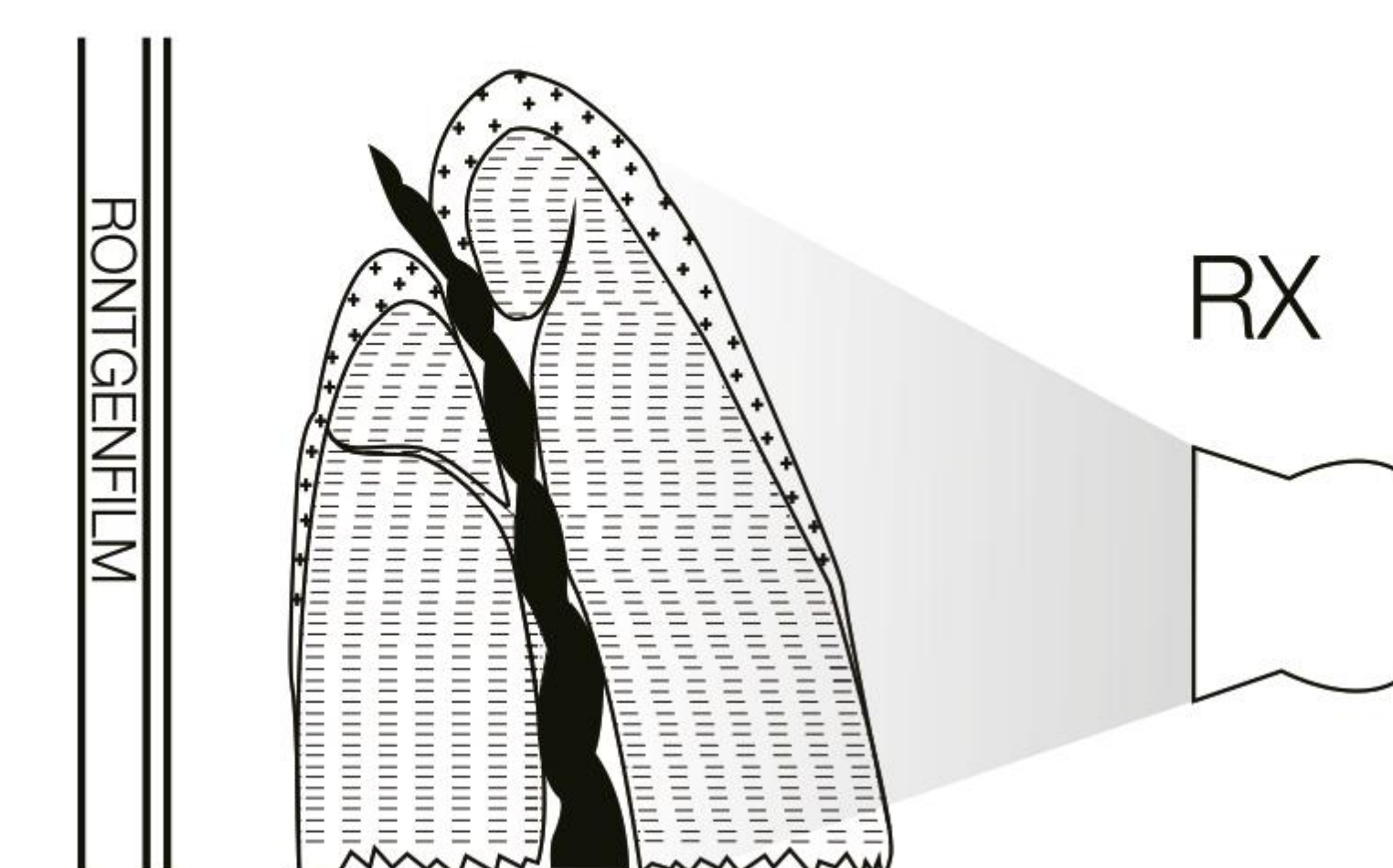


Actually it is over-filling

Disadvantage of X ray film

3D structure shooting at 2D plana, because of different angles, easily getting wrong data.

Apical foramen can't be shown in the X ray film, for over 80% apical foramens are in the side edge instead of apex.



The apical foramen is in the side edge, X ray shooting cause error length, the greater error, more serious over-filling

Minipex

New generation, More than accurate



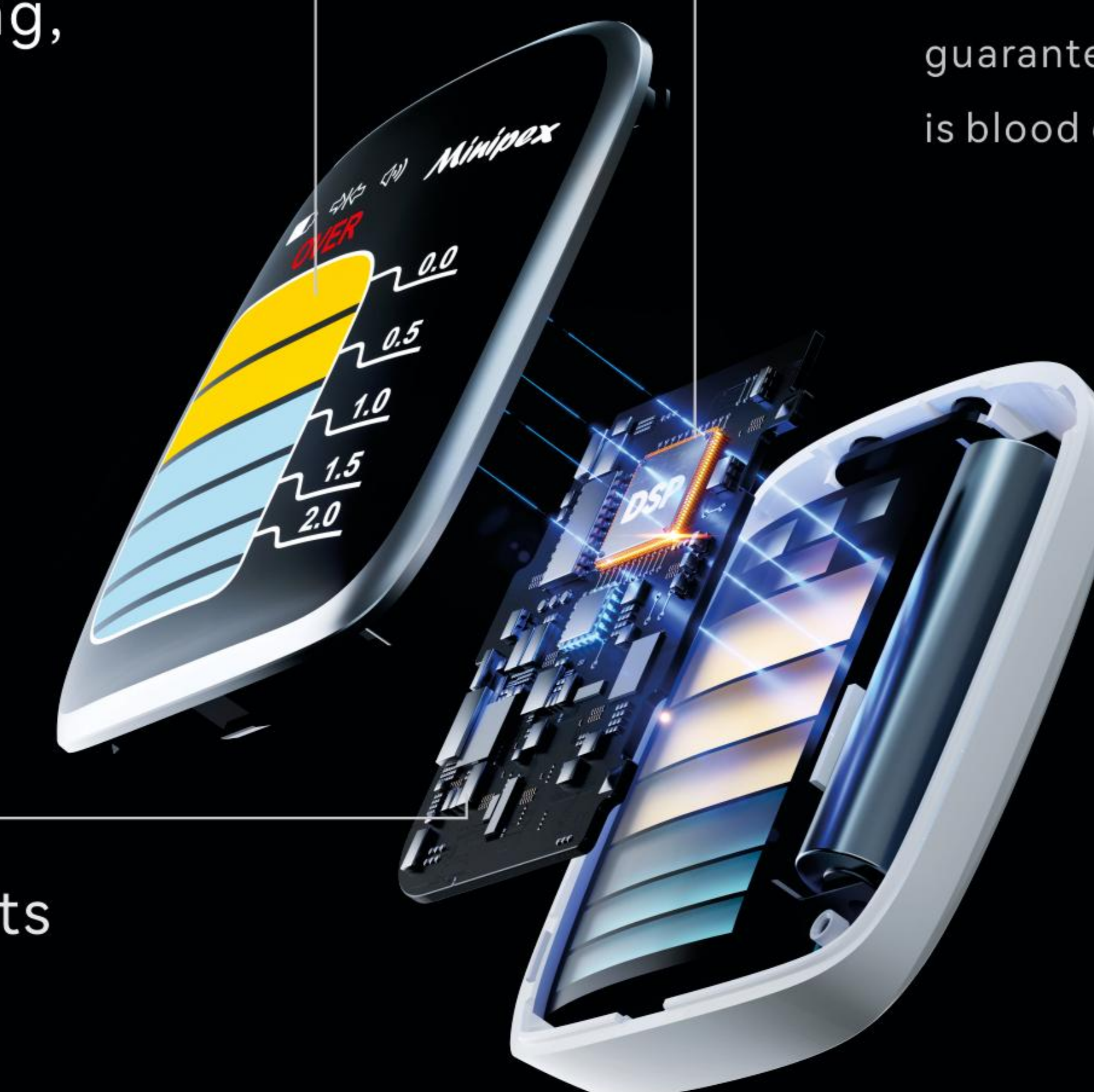
Scan for more details in website

Accurate

Equipped with clear screen LCD
Streamlined design, more round
Alarm via different buzzing,
easy to distinguish

Central processing
chip with high performance

Equipped with DSP processing module
Multi-frequency apical position technology
guarantees accurate measuring even there
is blood or residual pulp in the root canal



0.1%
high precision components

More than accurate
According to the clinical data, the accuracy rate
has been improved to 97.7%

Auto calibration after startup
Suitable for various complex root canals

Light

Full function in the 55±5g body
Total size: 70mm*62mm*20mm



Fi-E

Gutta Percha Obturation Device



Scan for more details in website

Wireless and electric

Perfect gutta-percha fluidity, uniform and smooth gutta-percha output without bubbles.

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

Eliminate surgical hazards caused by gutta-percha leakage and overflow.

Maintenance-free thanks to automatic cleaning of remaining gutta-percha.

Reusable injection needle

360° rotatable

The gutta-percha bar is directly loaded into the injection needle.

There is no gutta-percha residue inside the machine, making it easier to clean.

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

Dual button design

Symmetrically-designed dual injection buttons, sensitive and convenient.

Compact and lightweight Easier to hold

Diameter: 26mm*26mm

Length: 200mm

Weight: 148g

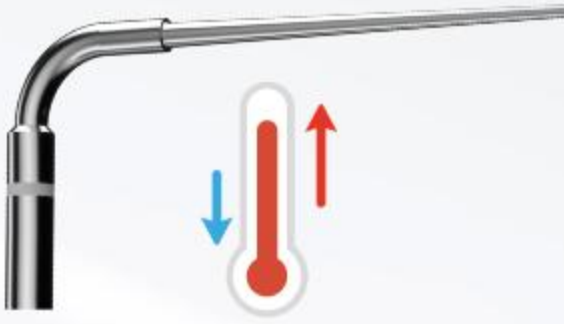


Fi-P

0.2 second heating time
High-performance conversion system ensures the efficient cutting



High precision temperature control
Constant temperature prevents scalding



4 working temperatures
150°C, 180°C, 200°C, 230°C can match gutta-percha of different brands on the market.



4 hours of endurance
Large capacity battery & special heating system enable 1500 operations with a full charging.



0.35mm bendable tip
Thinner tips can penetrate deep into the narrow root canal, providing you a better treatment effect.



Type	diameter	Taper
WP3504	0.35mm	0.04
WP4004	0.40mm	0.04
WP4504	0.45mm	0.04
WP5004	0.50mm	0.04
WP5506	0.55mm	0.06
WP5508	0.55mm	0.08
WP5510	0.55mm	0.10
WP6012	0.60mm	0.12
WP5508L	0.55mm	0.08

Fi-G

Quick heating within **15 seconds** reduces time for waiting and increases your working efficiency.



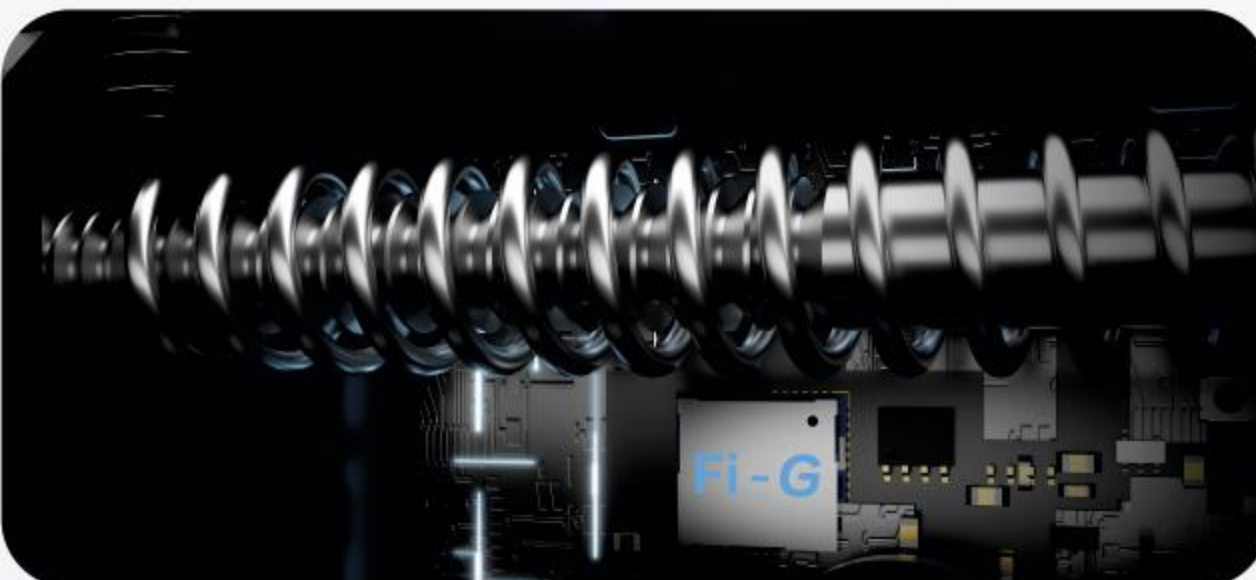
Prevent gutta-percha leakage
360 rotatable needle
Optimized structure, 360° uniform rotation, effectively avoiding gutta-percha leakage.



0.5mm injection needle
Easy to reach the apical 3mm of canal brings better filling.



Pushing ram with anti-return structure
Mechanical-locking structure, effectively preventing the pushing ram from returning and avoiding the generation of cavities and bubbles.



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

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

Fi-G Fi-P

Fi-G enables the shortest heating and melting time within 15s

Fi-G:Time for 0°C-230°C (S)

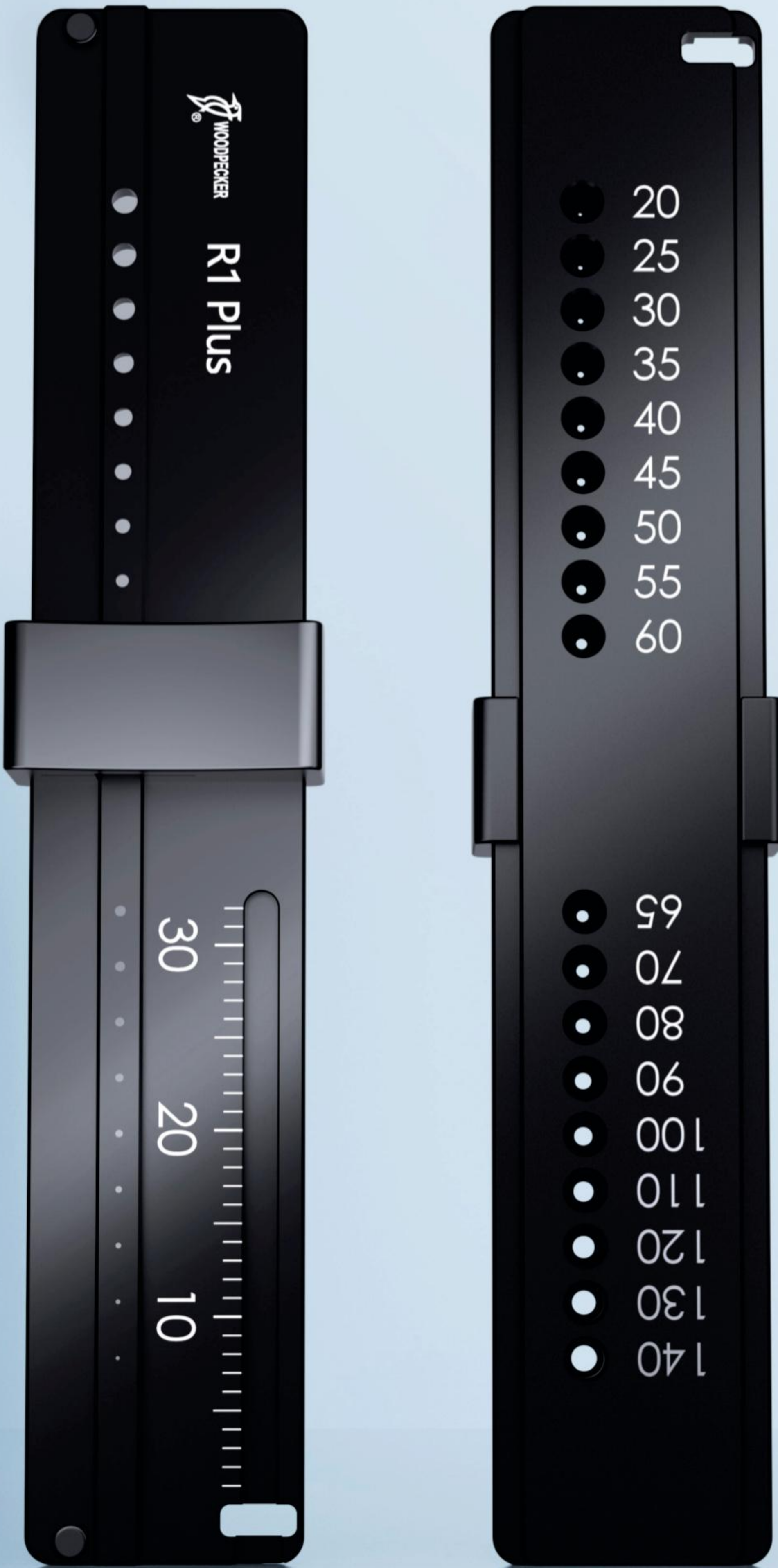
Woodpecker	Korean B brand	Chinese C brand	Chinese D brand
15	24	51	56



Scan for more details in website

R1 Plus

Gutta-percha Cutter



Designed by international dental experts
Conducting 220 precise manufacturing processes
on the equipment imported from Germany and Japan

01



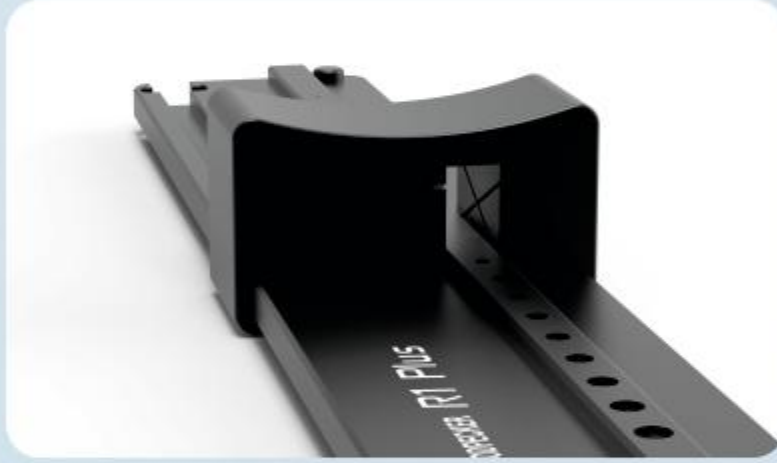
Gutta-percha point trimming,
smooth and glabrous cut surface

02



18 trimming and diameter measuring
holes with an accuracy of 0.01mm,
suitable for all gutta-percha points
on the market

03



Anti-rust and double-sided
cutting blade, smooth cutting
can be done by sliding forward
or backward

04



30mm length measuring ruler

05



Laser marking guarantees durable
and fadeless marks

06



Made of aluminum alloy,
autoclavable, light weight, no rust



Scan for more details in website

Fi-N Plugger



01

4 models with different tip diameters.
35-70 40-80 50-100 60-120



02

The smaller end is NiTi alloy tip and the other
end is stainless steel tip.
Good rust resistance.
NiTi alloy can easily restore to its original state
after 500 times of bending.
Super elastic, suitable for curved root canals.
Two laser marking rings of 10 mm and 15 mm engraved
on the NiTi tip enable easier identification of
the condensation depth.



03

78 precise machining processes
are conducted on each plugger
with CNC machining equipment
imported from Germany and Japan.

04

Taper accuracy up to 0.02mm.

05

Ergonomically designed
handpiece allows easy operation
and comfortable holding.



Scan for more details in website

i-Scan

Wireless Image Plate Scanner

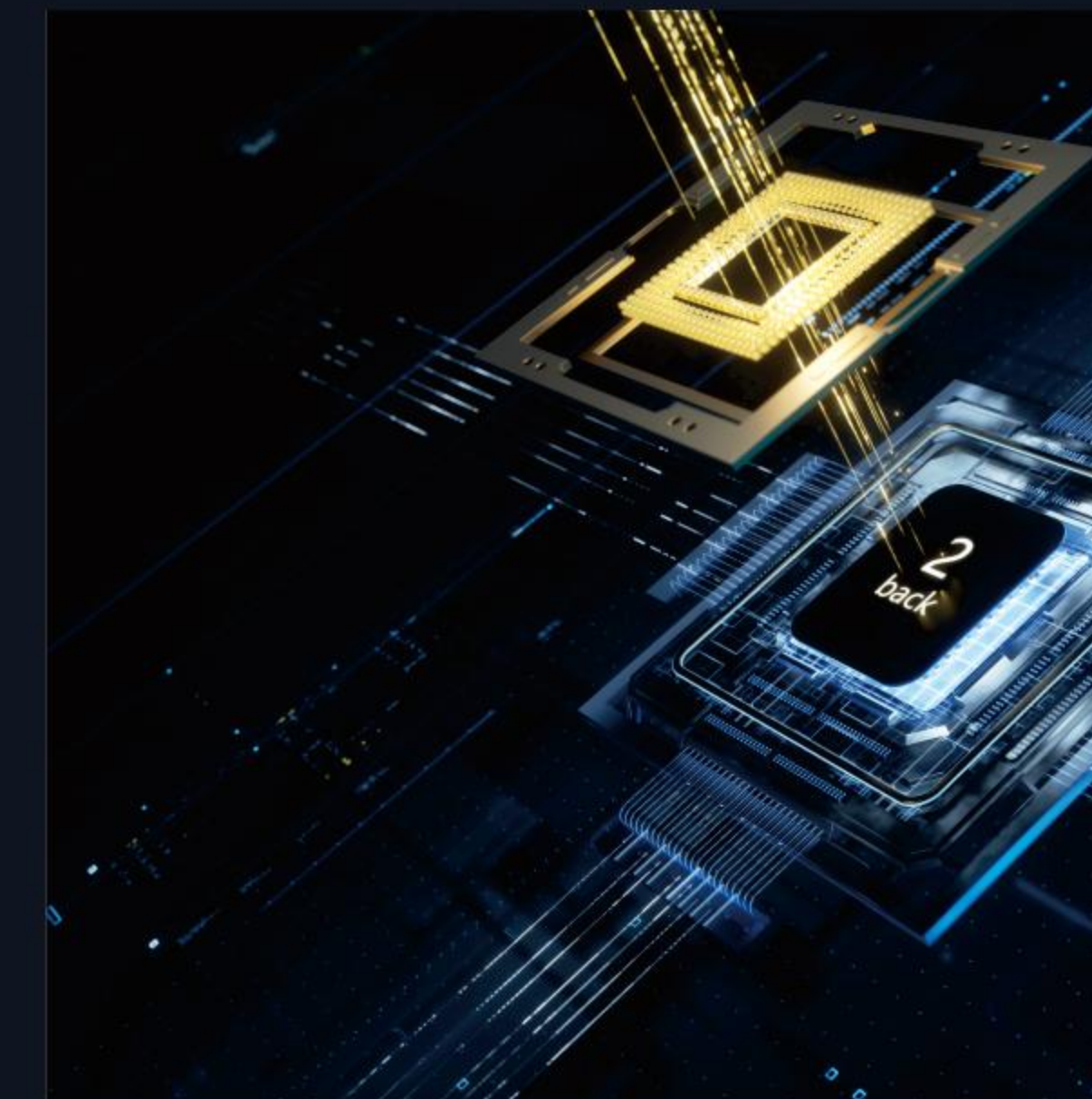


Powerful processing capability

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

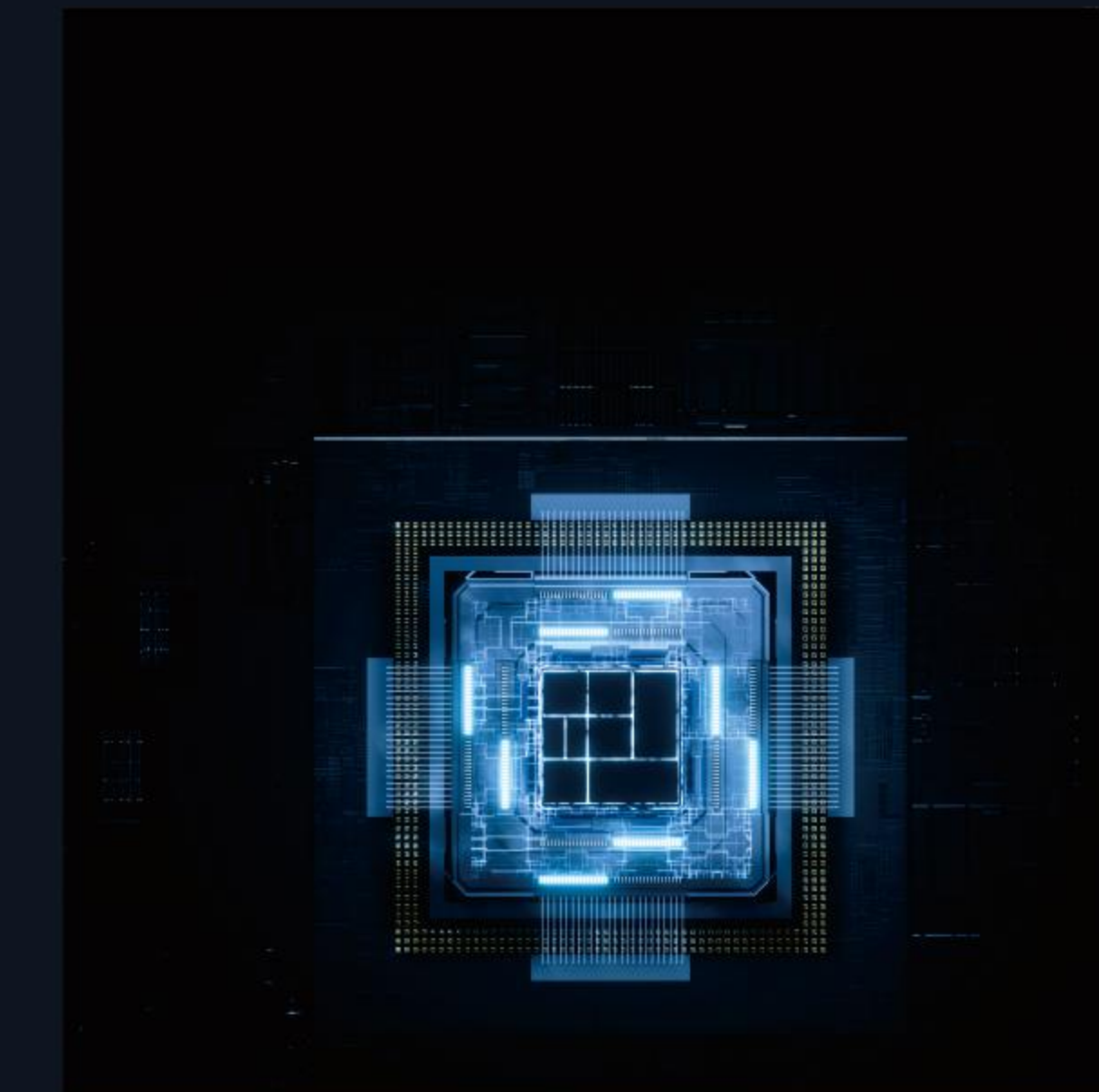


Scan for more details in website



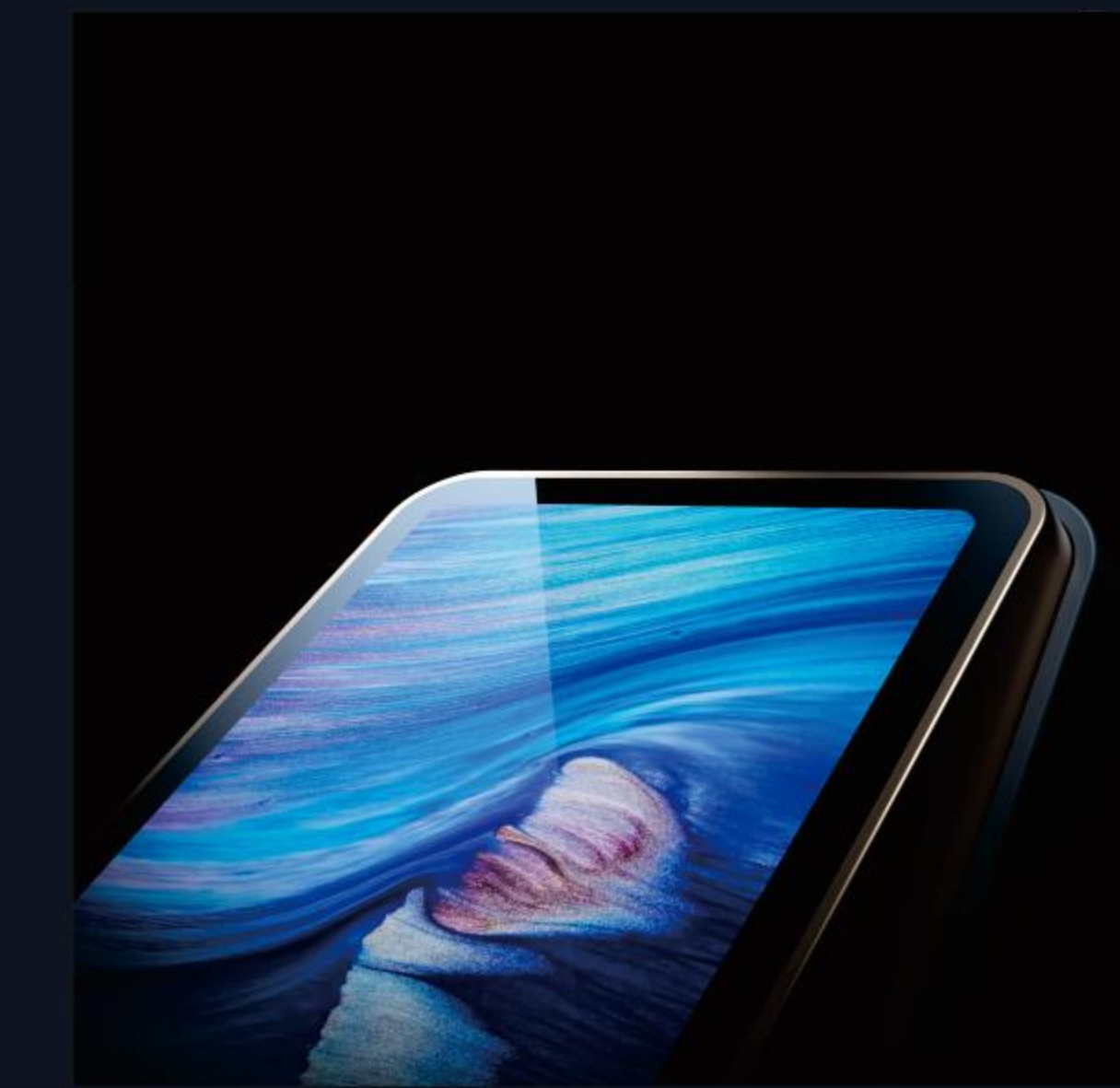
Powerful algorithm

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



Ultra-high performance

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



Super screen

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

Powerful software

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



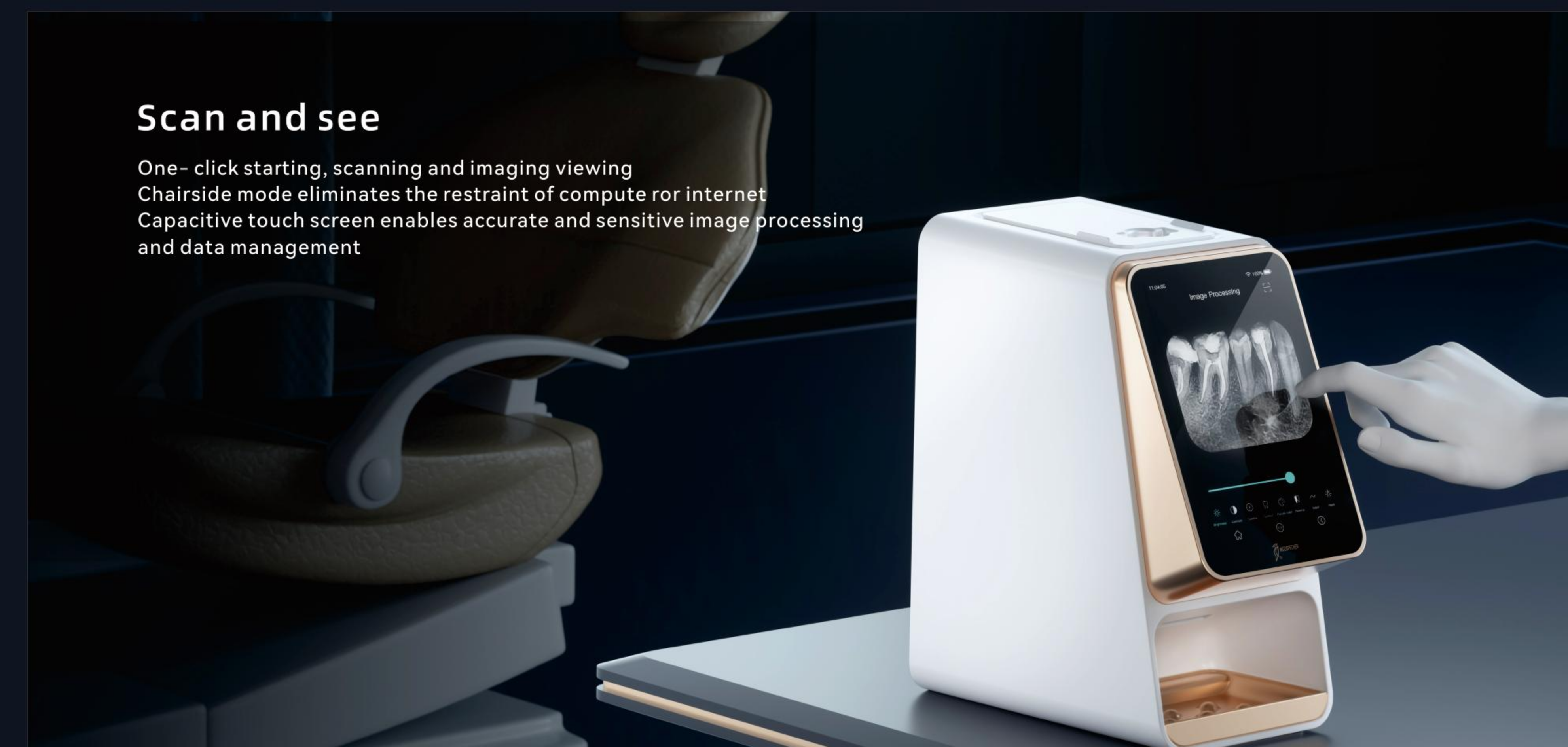
Flexible and compact

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



Scan and see

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



Free Scan

Imaging Plate Scanner

Bringing you a fully-controlled and intelligent image viewing experience

Specifications

Imaging plate sizes: 0; 1; 2; 3
Grayscale: 65536 levels (16Bit)

Theoretical resolution: 17lp/mm
Connection mode: USB
Working mode: Online mode

Remarkable imaging sharpens each detail

25um scanning accuracy.

17LP/mm+65535 grayscale detail recognition ability.

Clear details and image processing make diagnosis and treatment more effective.

Easy to operate

One-button start for scanning .

120-second autolock

to keep data safe.

Advanced algorithm leads to intelligence

Multi-layered structural image algorithm framework enhances the details of super-resolution images.

Multi-mode processing algorithm to meet the image viewing habits of different doctors.

Powerful chip Intelligent scanning

FPGA chip accelerates data acquisition.

Support image viewing on mobile phones, tablets, and computers.

Exclusive image viewing software.

Greatly facilitate image viewing and processing.



Scan for more details in website

Real-time intelligent dose analysis Safe dental film photographing

Appropriate dose.

Accurately record the dose value for each photographing.

Timely reminder of exposure dose for clear images.

Ensure secure photographing.

Too low dose

Too high dose

Appropriate dose



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





i-Sensor

Clearer & More durable

Type	i-Sensor H1	i-Sensor H2
Mechanical Size	25.0*36.8*4.5	30.4*41.9*4.5
Detector Technology	APS CMOS	APS CMOS
Scintillator	CsI	CsI
Pixel Matrix	1000*1500	1300*1800
Theoretical Resolution	25lp/mm	25lp/mm
True Resolution	20lp/mm	20lp/mm
Active Area	20*30	30*36
AD Conversion(bit)	16	16
Data Interface	USB 2.0	USB 2.0
Protection	IP68	IP68



Scan for more details in website

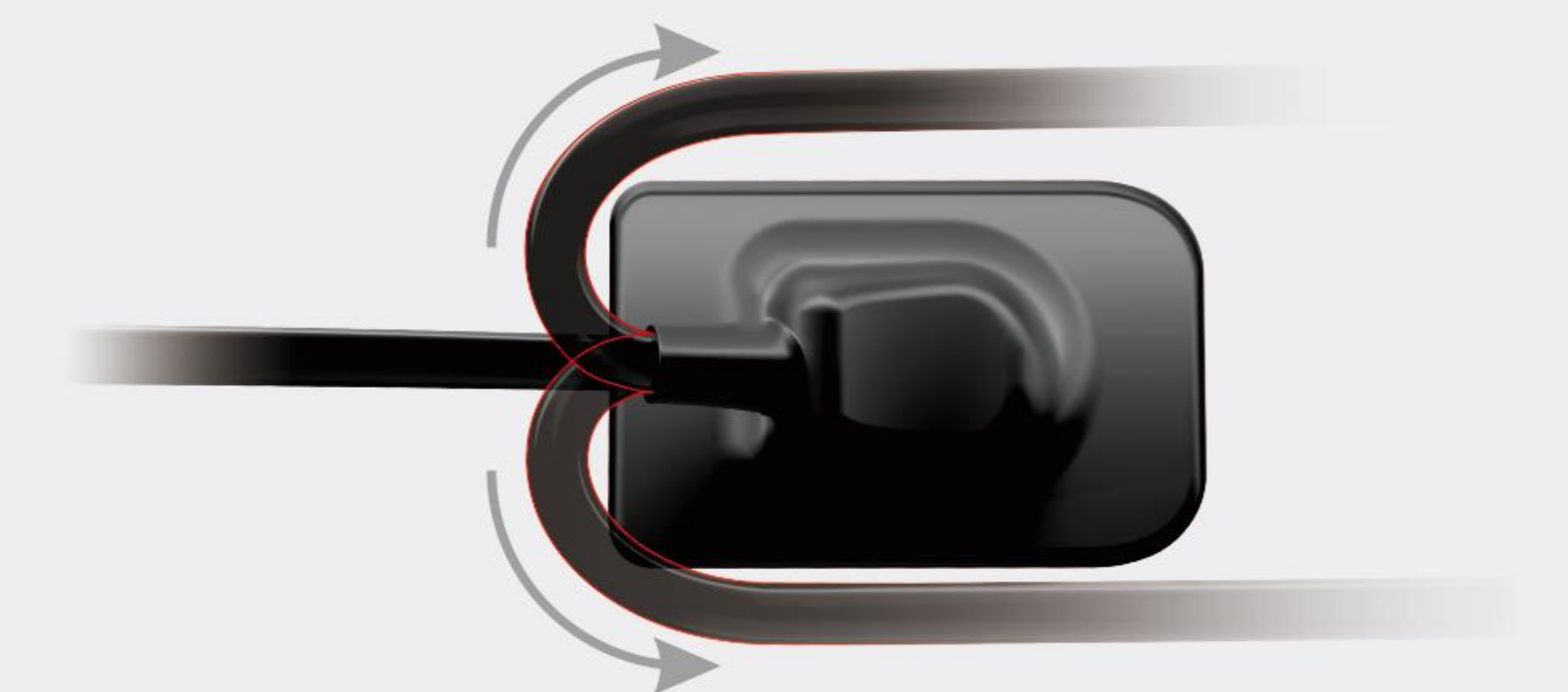
High resolution imaging 25 lp/mm theoretical resolution

With the leading 16-bit ADC chip, bringing you up to 60000+ Gray scale.
High-definition sensor up to 2.2 million pixels, more details, better picture quality with a theoretical resolution of 25 lp/mm, bringing a high level of clarity and detail to your digital radiography.
Clearer image effect, so that subtle root apex bifurcation can be easily found.



Durable and Reliable 80000+ bending test

i-Sensor is designed to prevent any kind of damages in its everyday use.
Based on actual usage and tens of thousands of bending experiments, the product is durable.



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



Thinnest sensor 4.5mm

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



Ai Ray

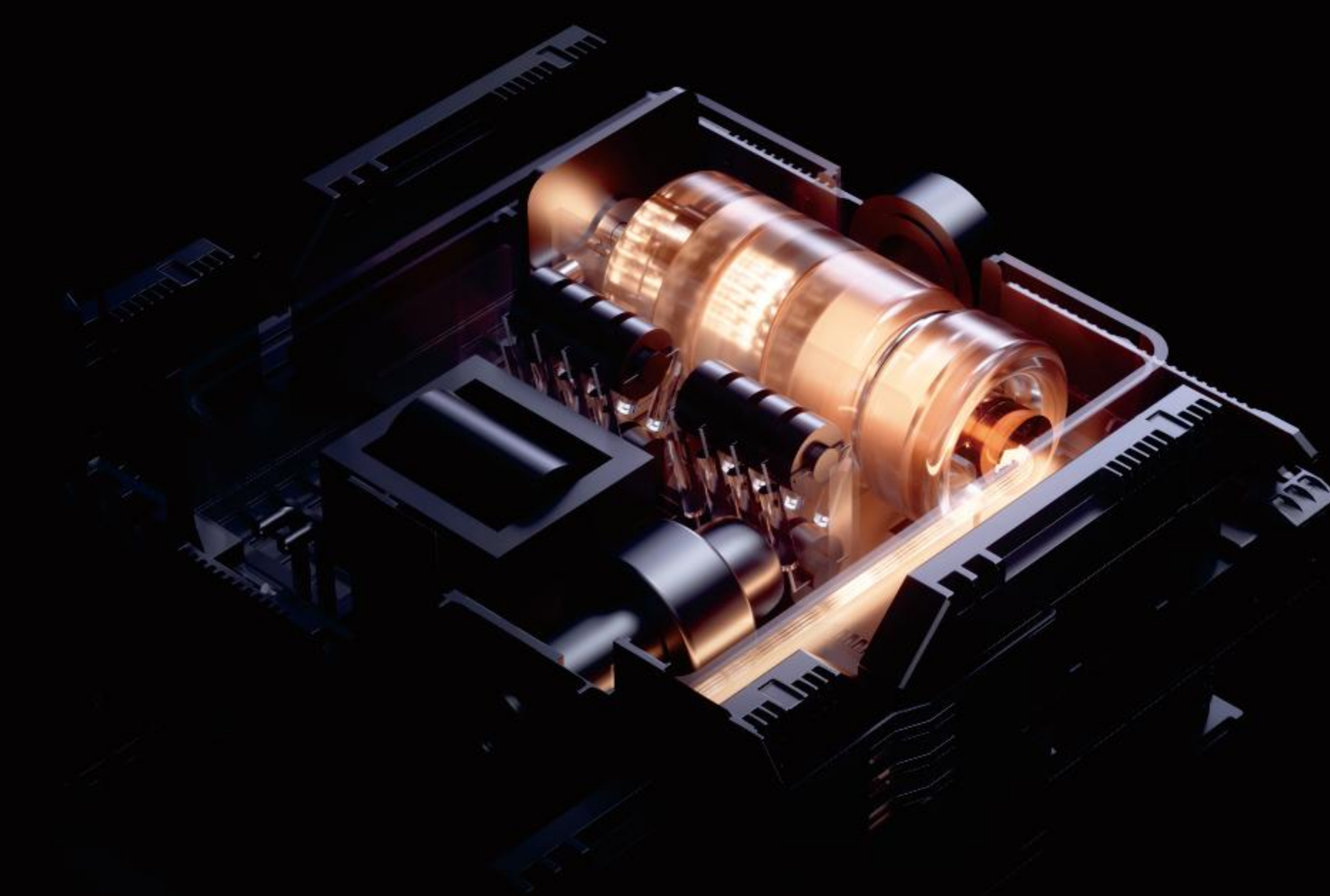
Dental X-Ray Device



Scan for more details in website

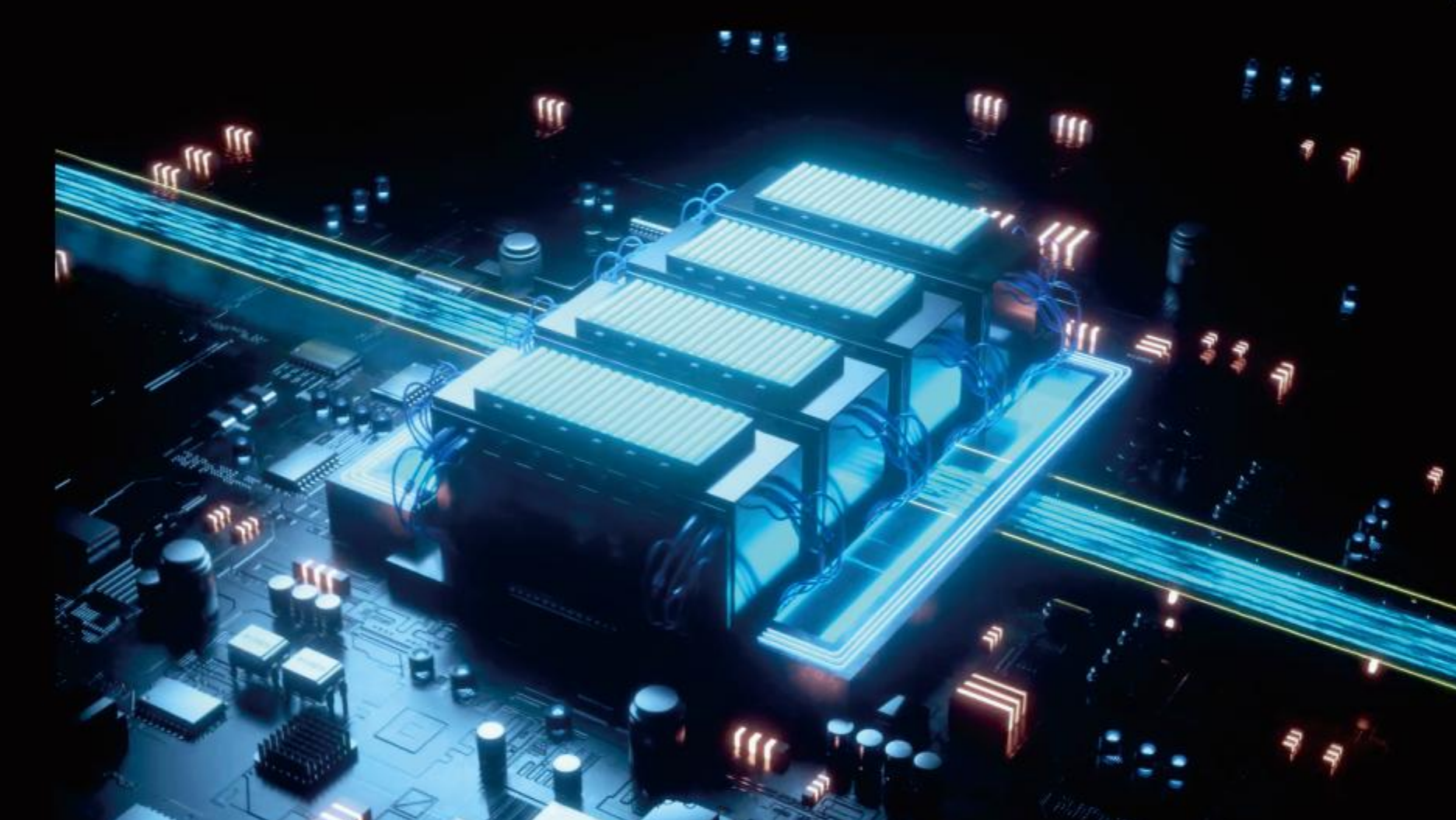
HIGH-FREQUENCY X-RAY TUBE

Refined tube manufacturing process
Ensure X-ray output stability and quality
Guarantee safe photographing



SUPER HIGH PERFORMANCE HIGH EFFICIENCY

Emission power up to 210W
Shorter exposure time with high power
Achieve stable, accurate and quick photography of
different tooth positions



HIGH-CAPACITY BATTERY LONGER ENDURANCE

15000mAh high-capacity power lithium
battery delivers a longer endurance.
More than **1,500** dental films can be taken under a full charge.



DETAILED DENTAL FILMS MORE RELIABLE

0.4mm focus X-ray tube

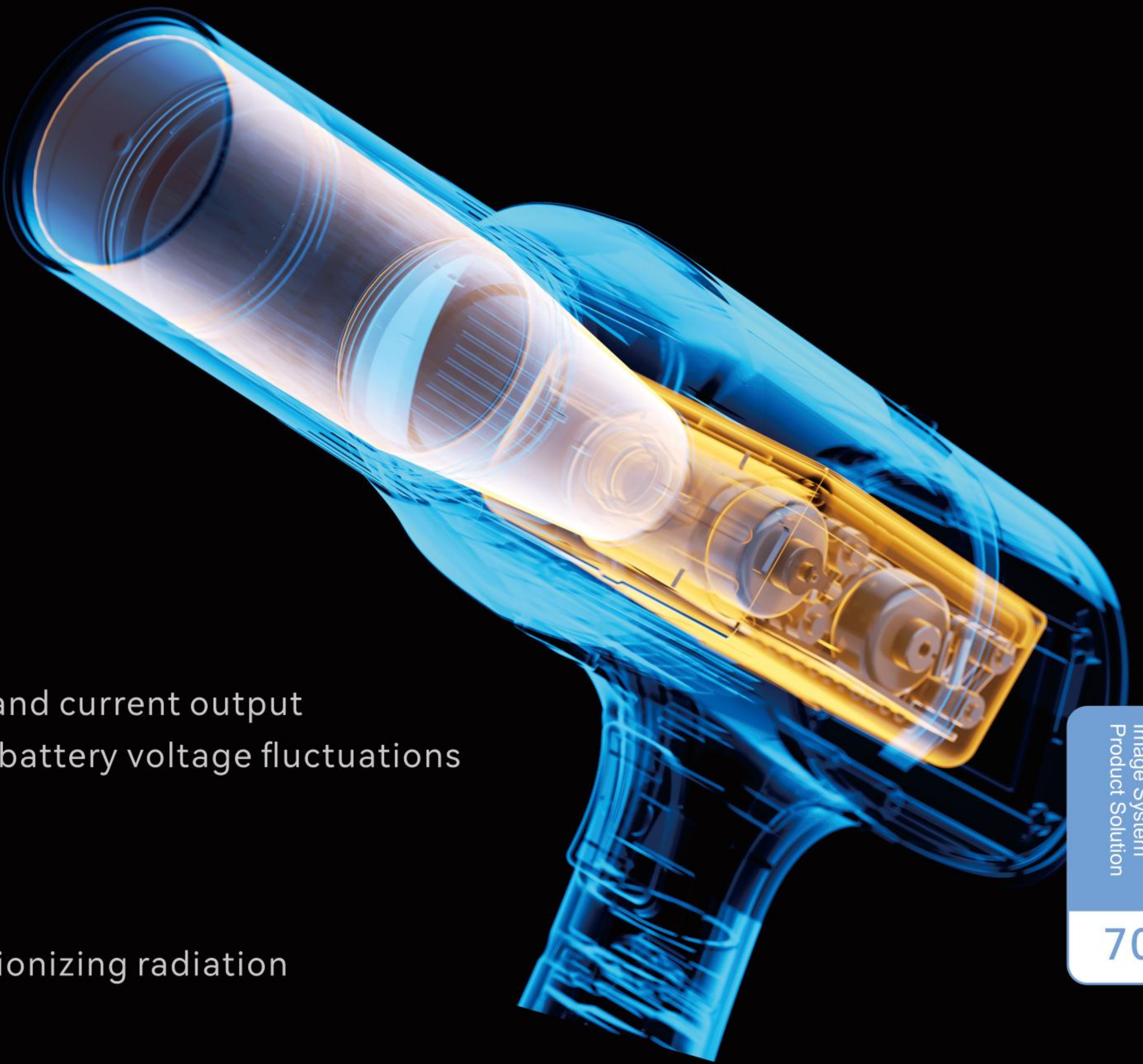
Provide high-quality and clearer image for various diagnostic needs



MAXIMUM EFFICIENCY AND SAFETY

Constant DC high-frequency high voltage and current output
Ensure that X-ray output is not affected by battery voltage fluctuations

Unique internal design and lead shield
Efficiently minimize the X-ray leakage
Maximize the protection of operators from ionizing radiation



80W
SUPER FAST CHARGING

2.8-INCH
CAPACITIVE TOUCH SCREEN



Over 110

Dental films can be taken after **5mins** of charging.

Enable clear and concise display
Abandon the traditional physical button,
beautifying the machine's appearance

Implanter LED Plus

Swiss Motor

5.5N·cm motor torque can guarantee 80N·cm torque output

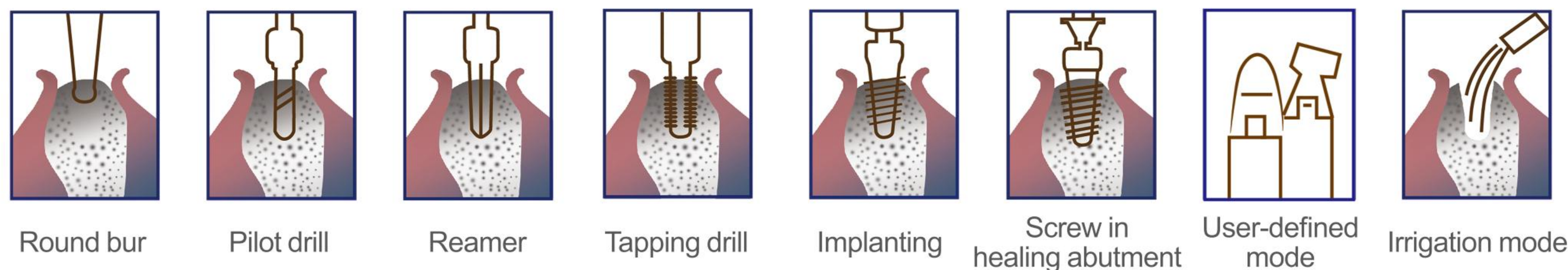
Germany bearing (Optional)

The swing amplitude of contra-angle is less than 0.02mm.



Simulated implanting procedures

Preset parameter of each procedure eliminates extra setting during operation.



Better Holding Feeling

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



Smart touching system

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



Speed range
300-40,000rpm



Torque range (20:1)
5N·cm-80N·cm



Maximum water volume
110ml/min



Motor size
φ 23.4mm*L91mm



Motor weight
140g



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Surgic Smart

Woodpecker Piezo Bone Surgery



Implant and Surgery
Product Solution

Sterilizable water pipe

External handpiece for easy
disassembly and maintenance
Autoclavable



Multi-function foot pedal

Control of multiple functions
One-button rinse mode

Ultra-quiet peristaltic pump

Continuous and precise flow control;
direct water flow to the tip end;
Efficient cooling More silent and stable



Scan for more details in website

STRONG POWER

Smart control system

Automatic identification of different bone quality and strength
to perform power adjustment, achieving the optimal output
Easy and effort-saving for doctors
Less noise at work

Strong power

Strong power, no handpiece overheating, thanks to:
New enhanced handpiece
Advanced sensing technology
Smart control system



Implant and Surgery
Product Solution

NEWLY UPGRADED

Efficient

Woodpecker fourth generation of Piezo Bone Surgery, with
greatly improved cutting efficiency than the third generation

User-friendly

New operation interface,
more convenient for doctors to use

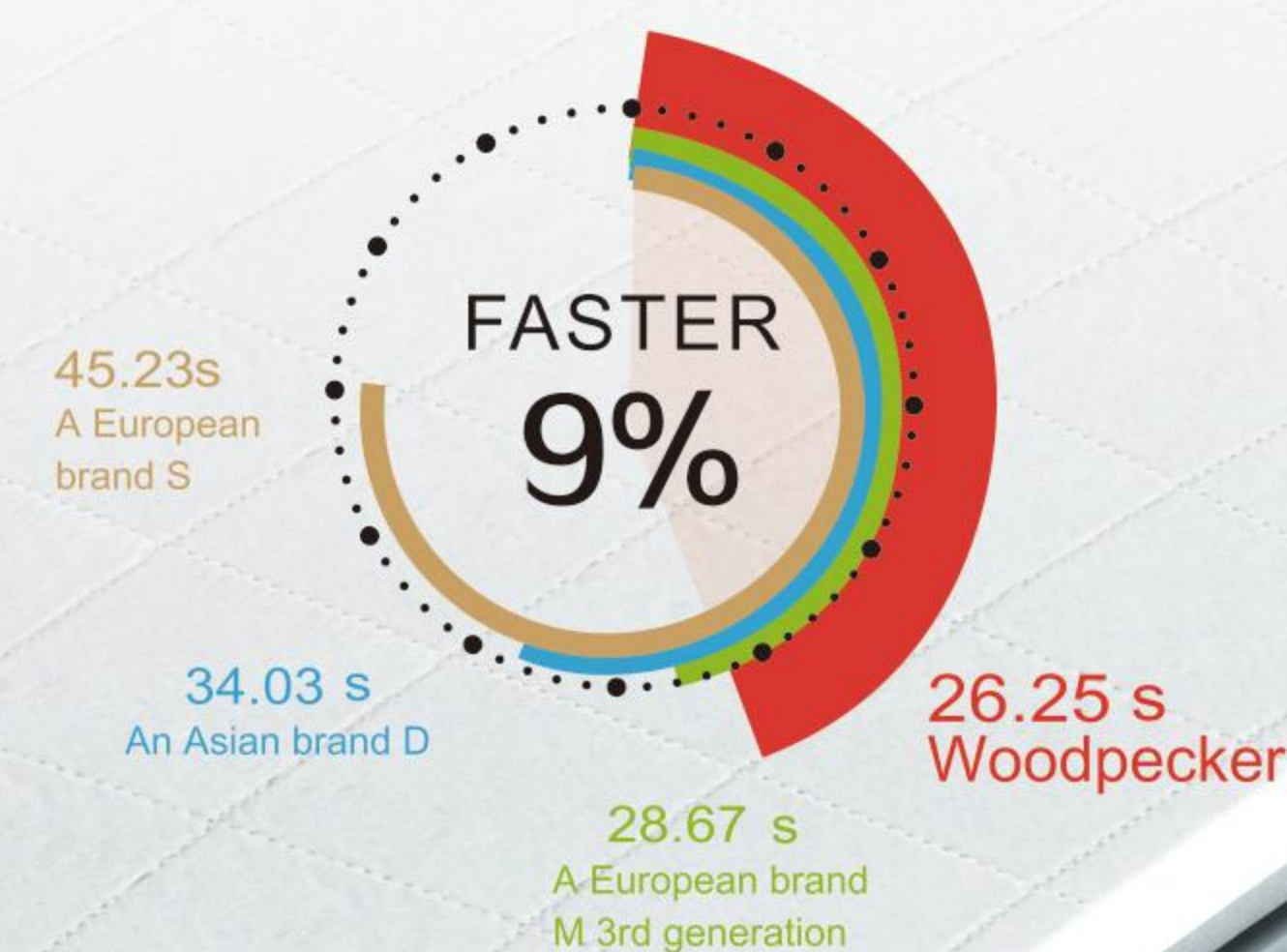
Intelligent

The intelligent system will automatically
adjust to the most appropriate output
power according to the operation situation
to avoid overheating



SURGIC TOUCH

Comparison of cutting efficiency
with other famous brands



Clinical application

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

Multi-function Foot Pedal

Equip device with multi-function foot pedal,
which makes it easy to control water flow,
working mode, and power,
simplifying operation procedures
and realizing efficient operation.

WOODPECKER

3rd

GENERATION OF ULTRASURGERY

Without hurt to soft tissue

Selective cutting will not hurt soft tissue.
Ultrasurgery vibrating frequency is 24—29.5kHz, which
enables effectively cutting and reduces risk of hurting soft tissue.

Minimally invasive cutting

Minimally invasive selective cutting
Without hurt to soft tissue

Detail Matters

Handpiece tail cord and pump tube can be
autoclaved to avoid bacterial infection.
High power LED driving technology brings
clear operation vision.



7-inch Touching Screen

Abandoning the previous button
operation settings, innovatively
adopting 7-inch screen.

While clearly displaying information, operate directly by tapping the screen.



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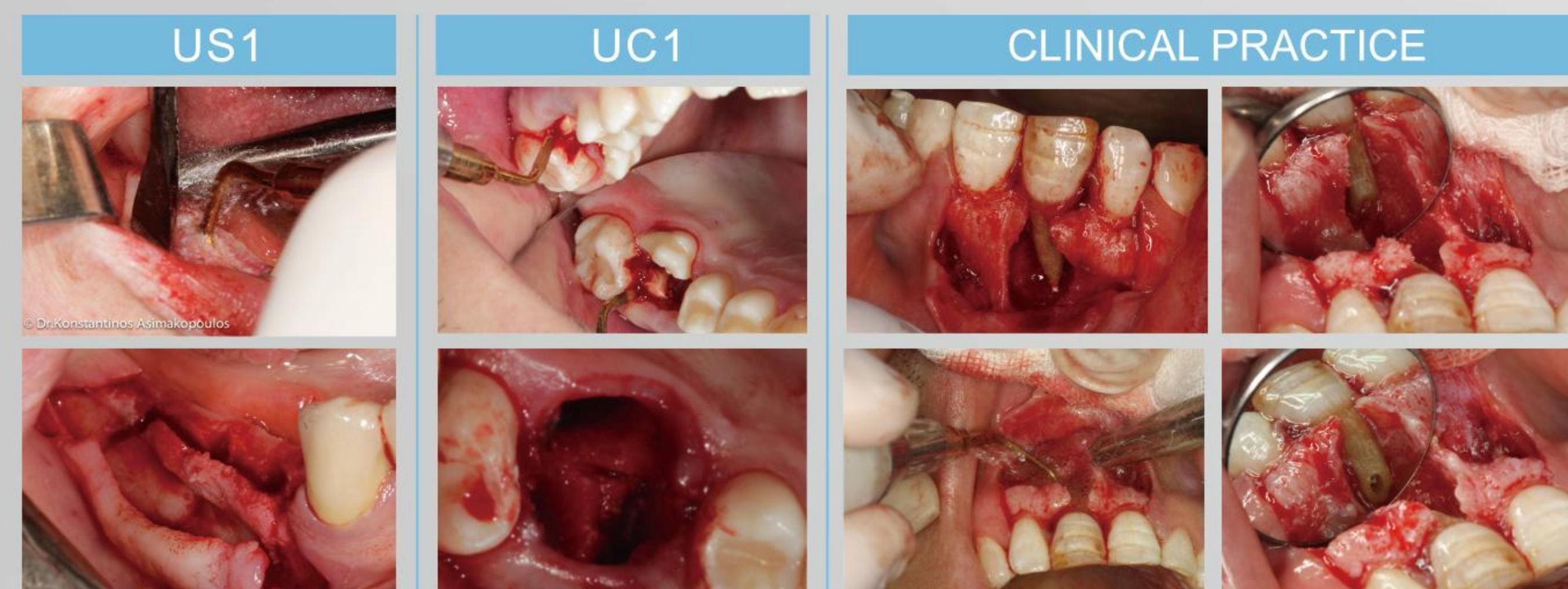
US-II LED

Woodpecker core technology, reliable cutting efficiency professor

NEWLY DEVELOPED HANDPIECE

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

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



Technical parameters

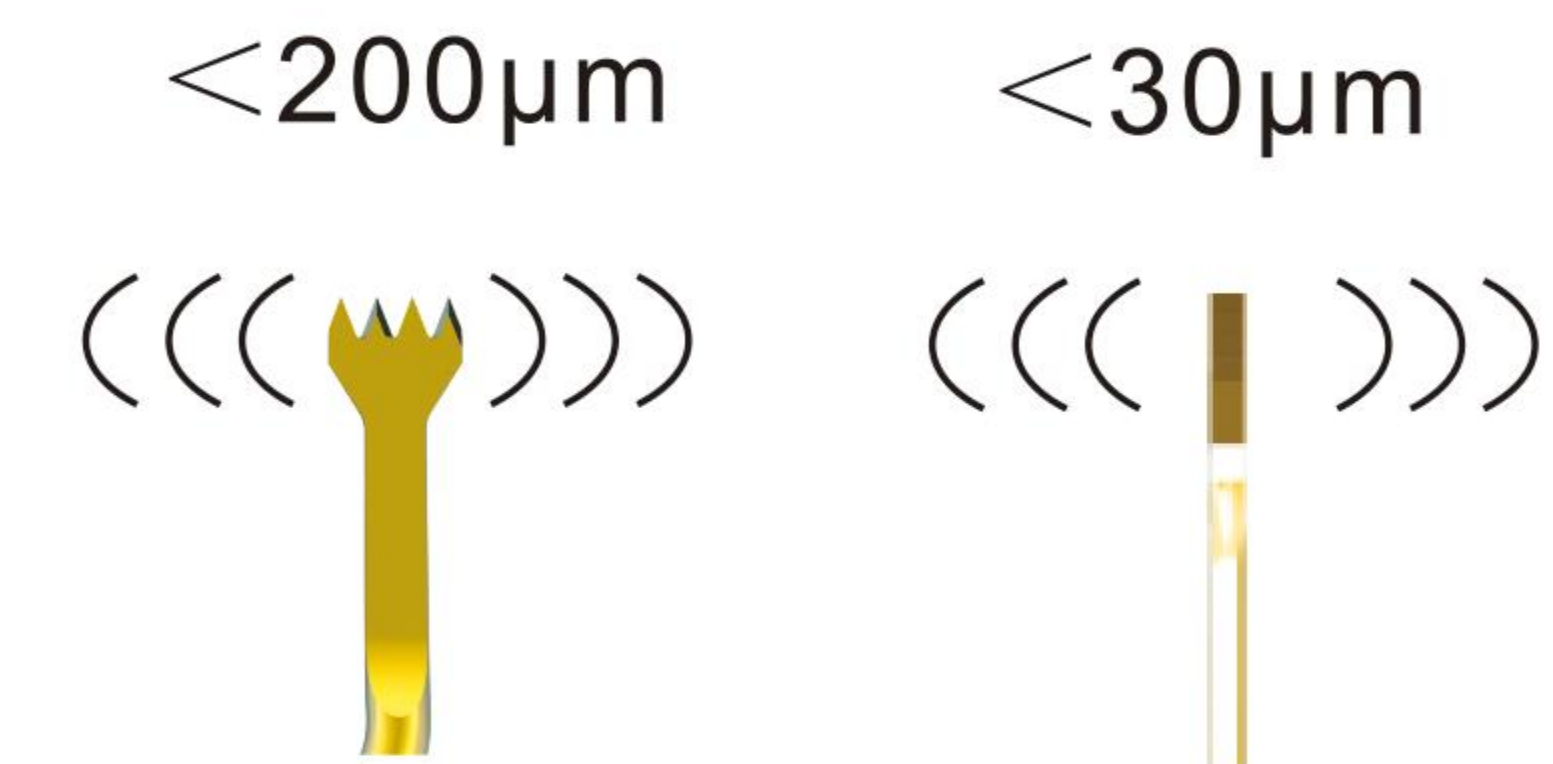
Power input	100 - 240V~ 50Hz/60Hz 600mA (max)
Frequency	24kHz~36kHz
Power output	5W~35W
Main unit weight	3.1kg
Dimensions	330mm×254mm×167mm



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UltraSurgery

Excellent Performance



Minimally invasive cutting

Ultrasonurgery 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



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LX16 Plus

Innovative Three Wavelengths Blue Semiconductor Laser Therapy Device

- Wavelengths & optical power:
 - 450 ± 20 nm : Pmax=3W
 - 650 ± 20 nm : Pmax=200mW
 - 976 ± 20 nm : Pmax=5W
- Laser system:
 - 450 nm: Class IV;
 - 976 nm: Class IV;
 - 650 nm: Class II
 - (according to IEC 60825-1)
- Emission modes:
 - CW (continuous wave), chopped 1 Hz to 20 kHz
- Aiming beam:
 - 650 ± 20 nm / Pmax<5mW
- Battery:
 - 11.1V 2600mAh x2 (57.7Wh)

LX16

A New Generation Of High Power Dental Diode Lasers

- Wavelengths & optical power:
 - 976 ± 20 nm : Pmax=5W
 - 650 ± 20 nm : Pmax=200mW
- Laser system:
 - 976 nm: Class IV;
 - 650 nm: Class II
 - (according to IEC 60825-1)
- Emission modes:
 - CW (continuous wave), chopped 1 Hz to 20 kHz
- Aiming beam:
 - 650 ± 20 nm / Pmax<5mW
- Battery:
 - 11.1V 2600mAh x2 (57.7Wh)



Wide scope of application

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

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

All accessories available

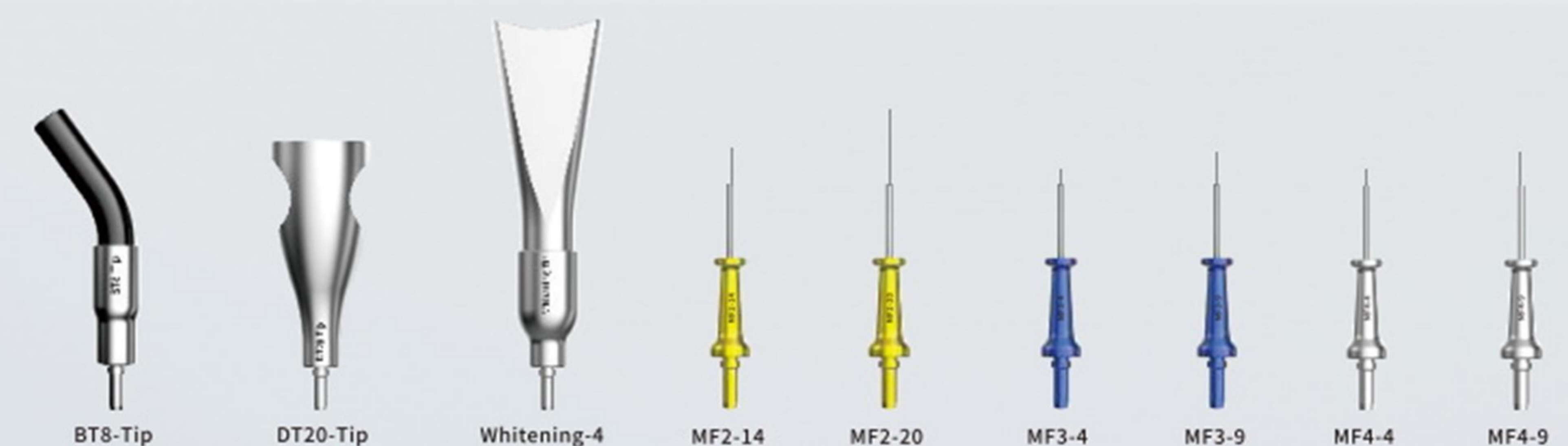
Scan for more details in website



LX16 Plus

LX16

Scan for more details in website



BT8-Tip

DT20-Tip

Whitening-4

MF2-14

MF2-20

MF3-4

MF3-9

MF4-4

MF4-9



MT2

Woodpecker
Dental Electric Motor



Scan for more details in website

Refined trimming
Faster tooth preparation
More powerful crown-splitting

German bearing
Low vibration enables
more precise tooth preparation

German bearing
Stable and precise cutting
Guarantee stable speed and torque output



High performance brushless motor
with greater torque and lower noise

Lower noise and faster tooth preparation.
Low abrasion, low heat generation and longer service life.



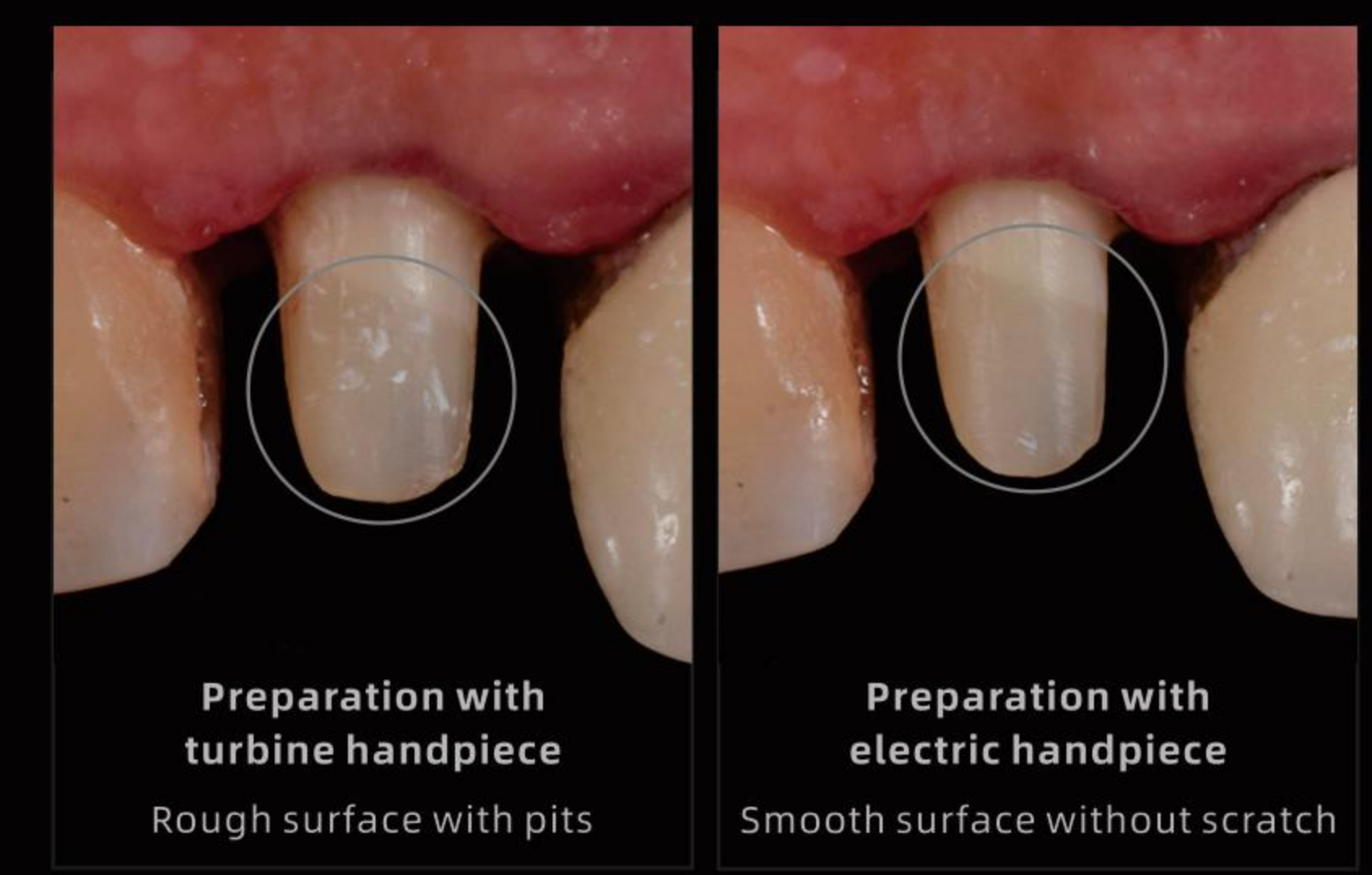
Four-hole water spray

Concentrated water output, better cooling effect.
Stable output effectively reduces aerosol,
ensuring safer treatment environment.



One button control

More convenient and easier operation



Minimally invasive repairing
precise teeth preparation

Compared with turbine handpiece, it has larger
clamping force and can grasp the bur tighter.
Effectively improve the precision
of trimming and tooth preparation.

O-STAR

7 Modes in total

Unprecedented
Curing Light
incorporating
various strengths

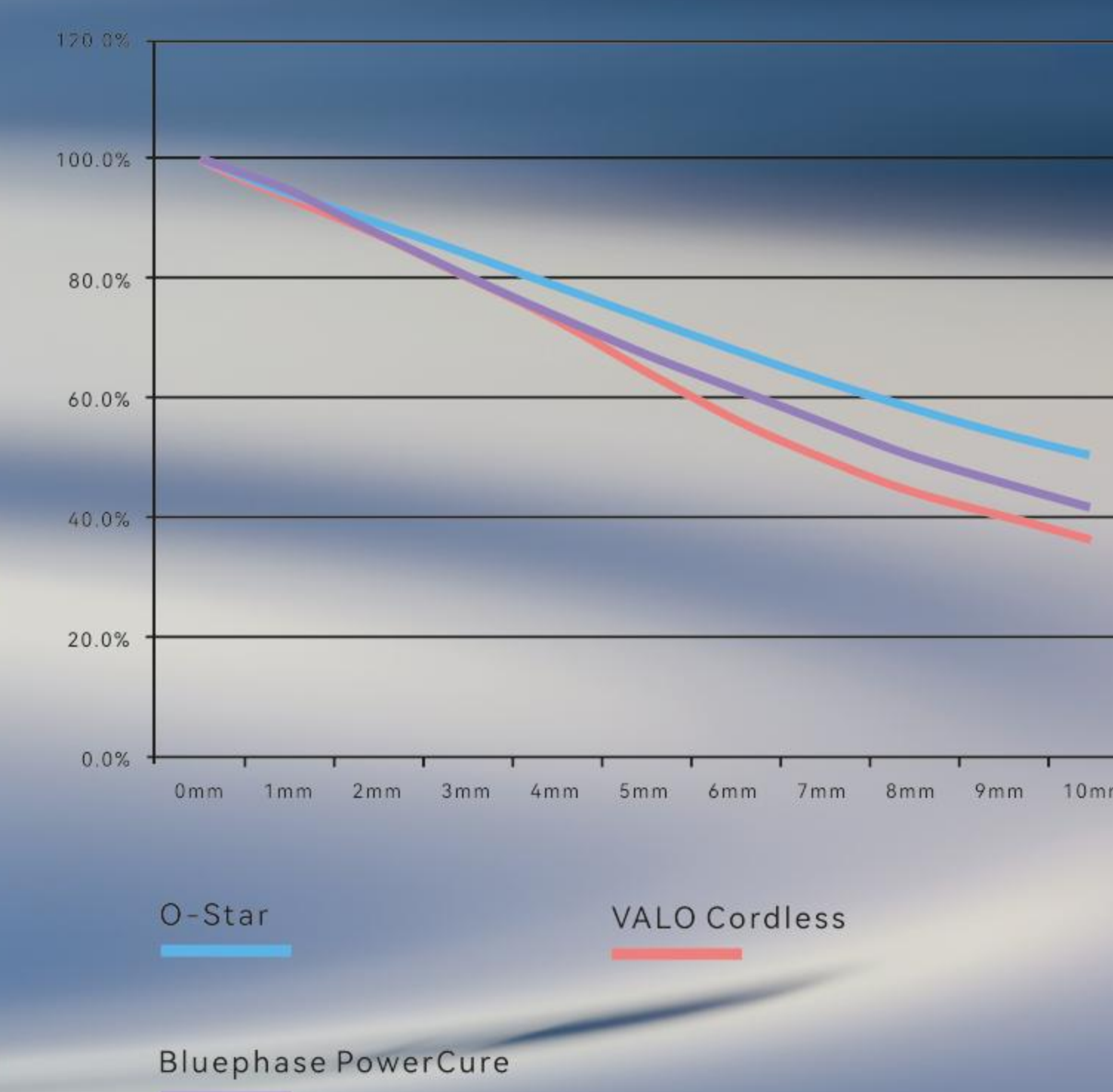
Charging base with
built-in light meter



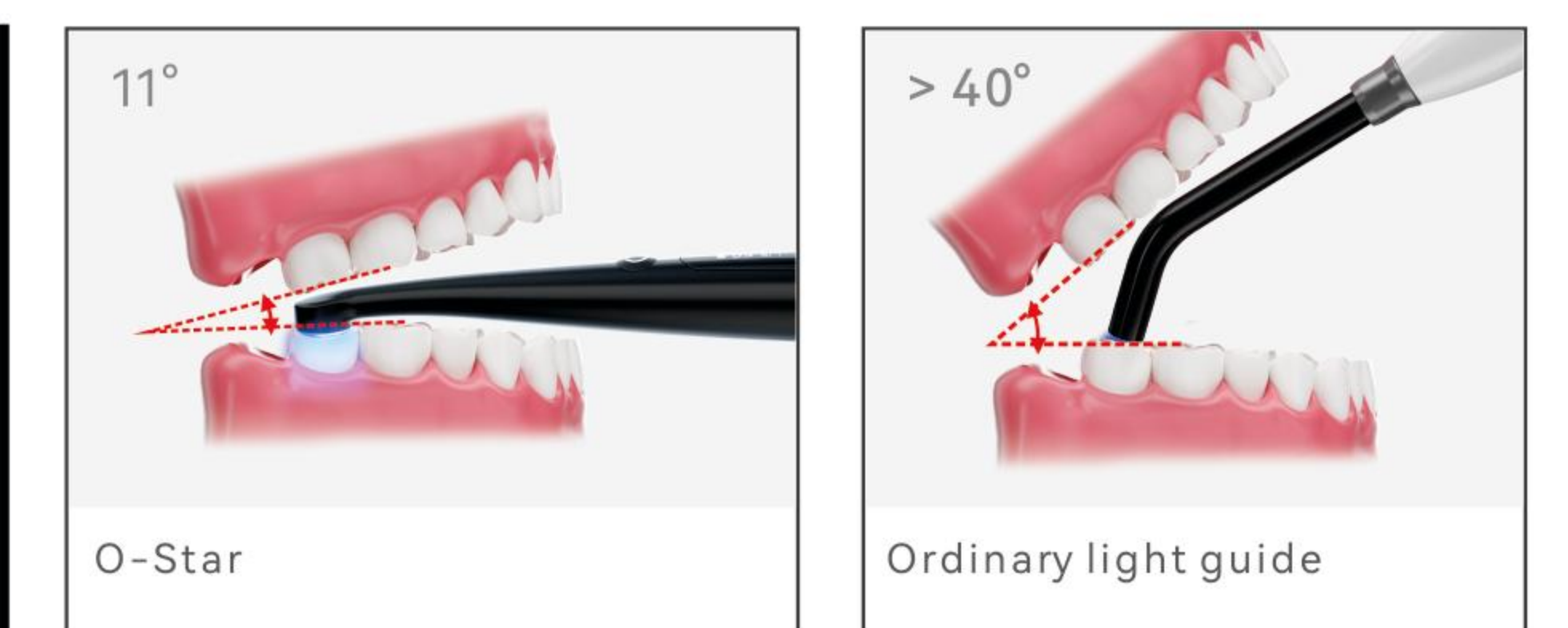
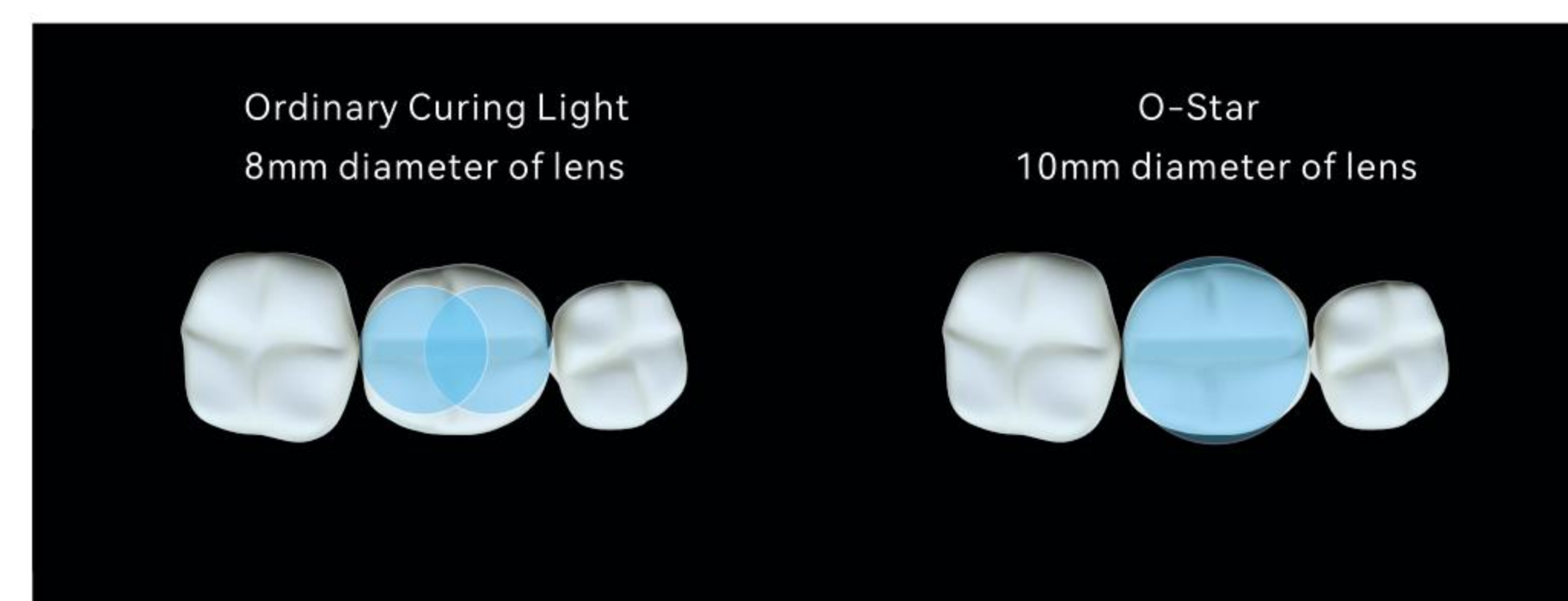
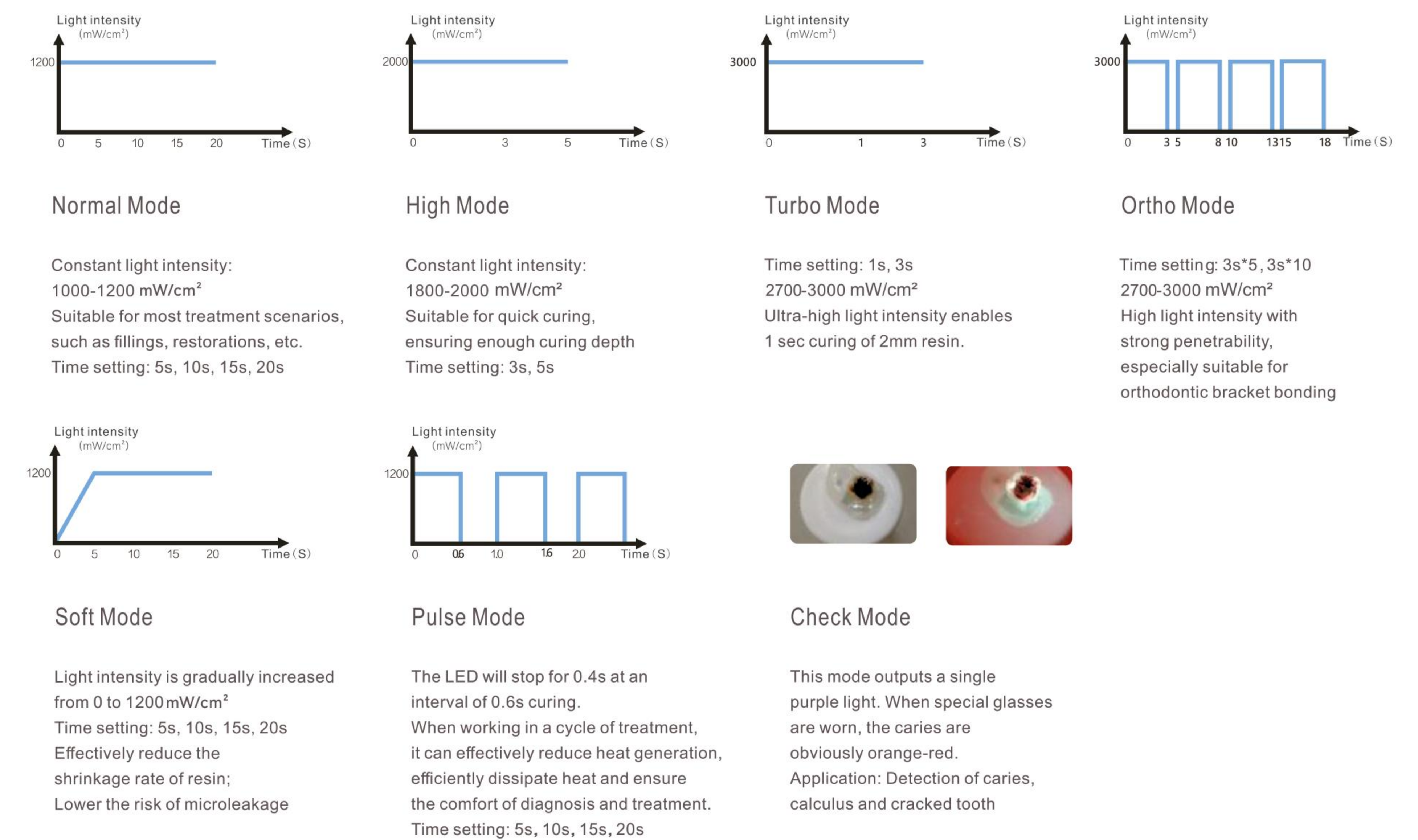
Scan for more details in website



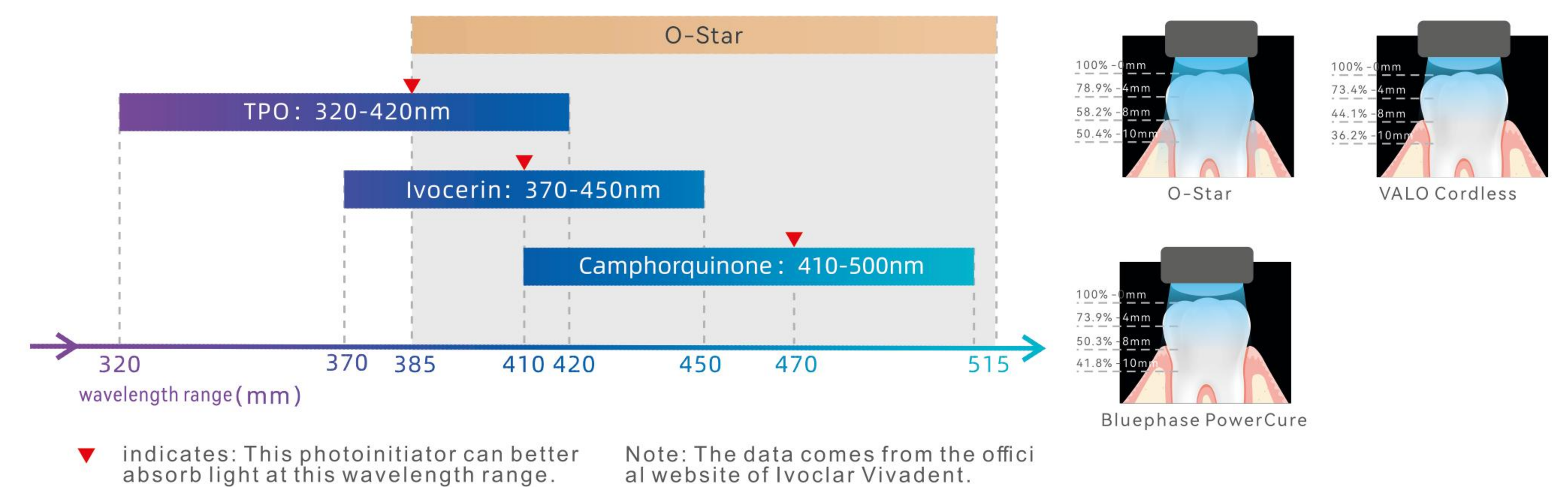
Less light loss



7 MODES TO FULLY MEET A VARIETY OF CLINICAL NEEDS



Wide Spectrum Curing
Light can cure all
resin materials on the market.



Uniform beam, Strong penetrability

Curing distance (cm)	Light source	Light spot length (mm)	Light spot width (mm)	Light spot area (mm²)	Light spot area ratio	Light angle
5	VALO	41	41	1681		17.38°
	Woodpecker	38	38	1444	-14.1%	15.80°
	VAFU	50	50	2500	48.7%	21.75°
	Ivoclar Vivadent	87	87	5941.665	253.5%	37.95°

iLed II

More-focused light output

Wide spectrum High light intensity



Scan for more details in website

1 SEC FOR CURING

iled_{plus}

Wide spectrum High light intensity Focused light

1SEC FOR CURING

Bring you fresh experience

CONSTANT POWER OUTPUT

FLUID DESIGN

360° CURING

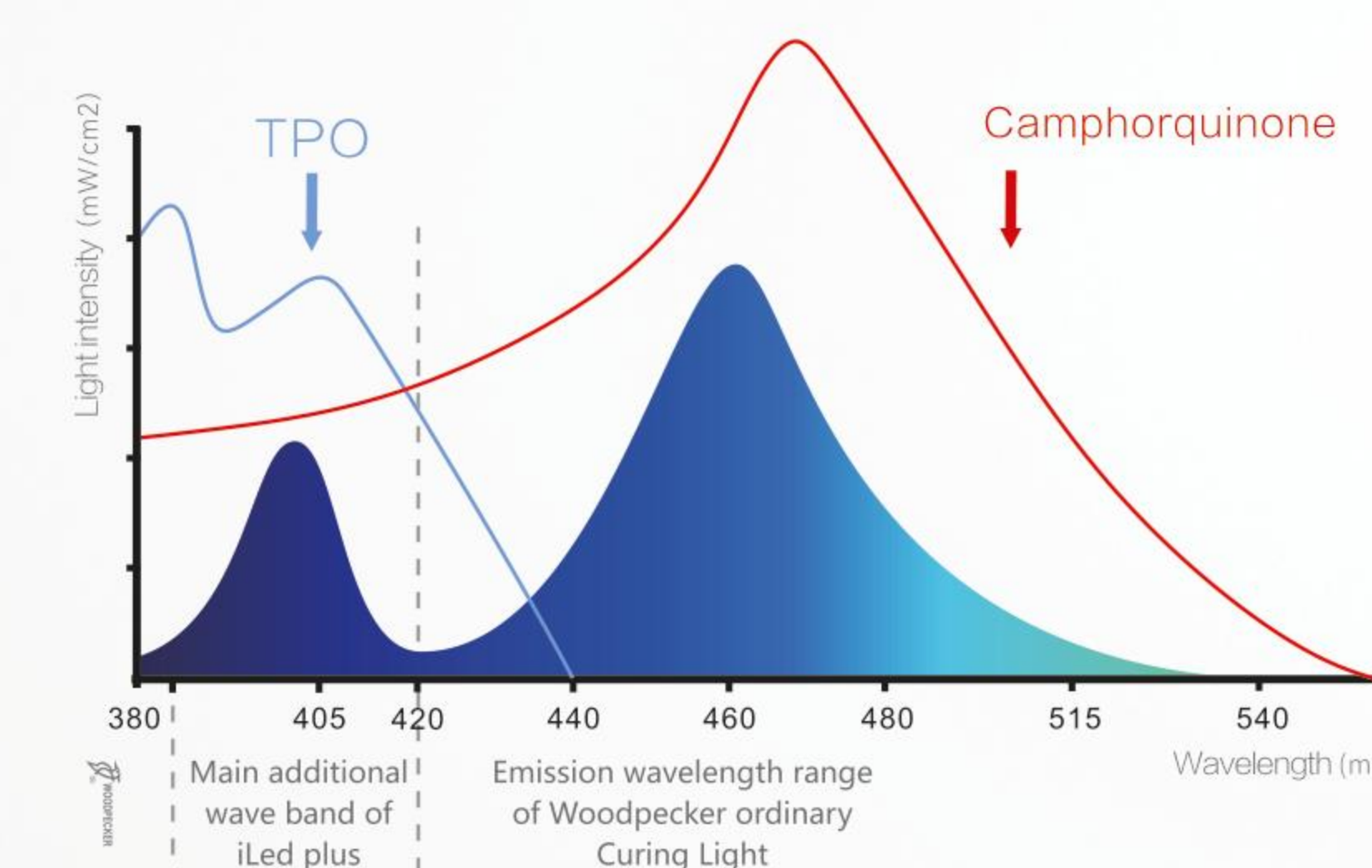
1 SEC. FOR CURING

Upgraded focused light output

Upgraded light intensity

Upgraded wide spectrum

iLed plus Spectral Curve and Resin Spectral Absorptivity



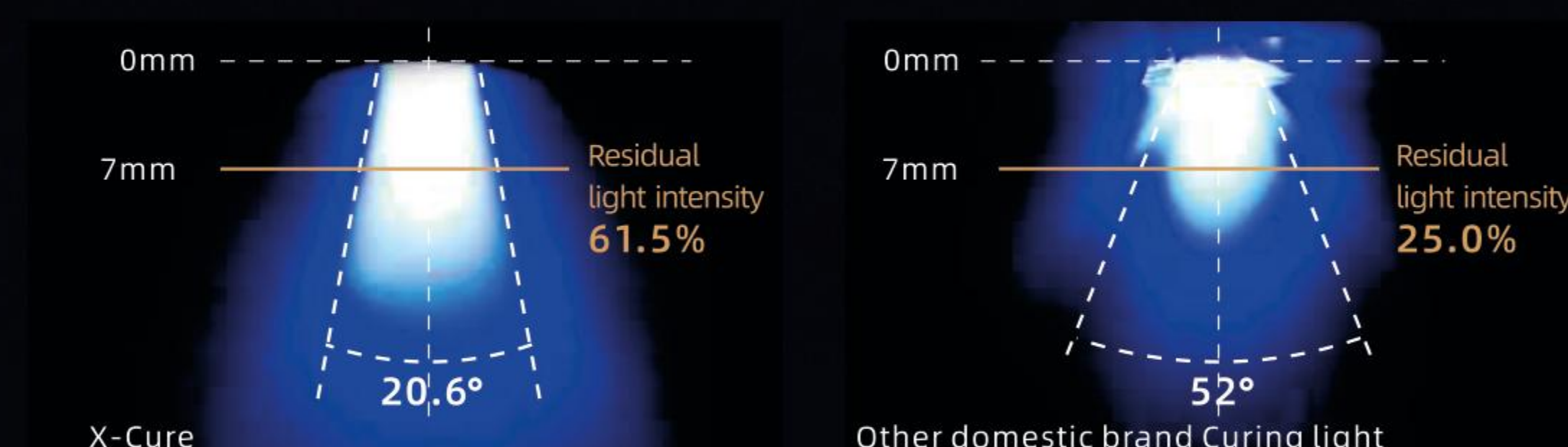
Scan for more details in website



Curing Expert

X-Cure

ONECURE™ Irradiation of X-Cure



Model	0mm	1mm	2mm	3mm	4mm	5mm	6mm	7mm
X-Cure	100.0%	95.7%	89.7%	82.9%	77.8%	71.8%	67.5%	61.5%



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The New Generation of Curing light

B-Cure PLUS

1SEC FOR CURING

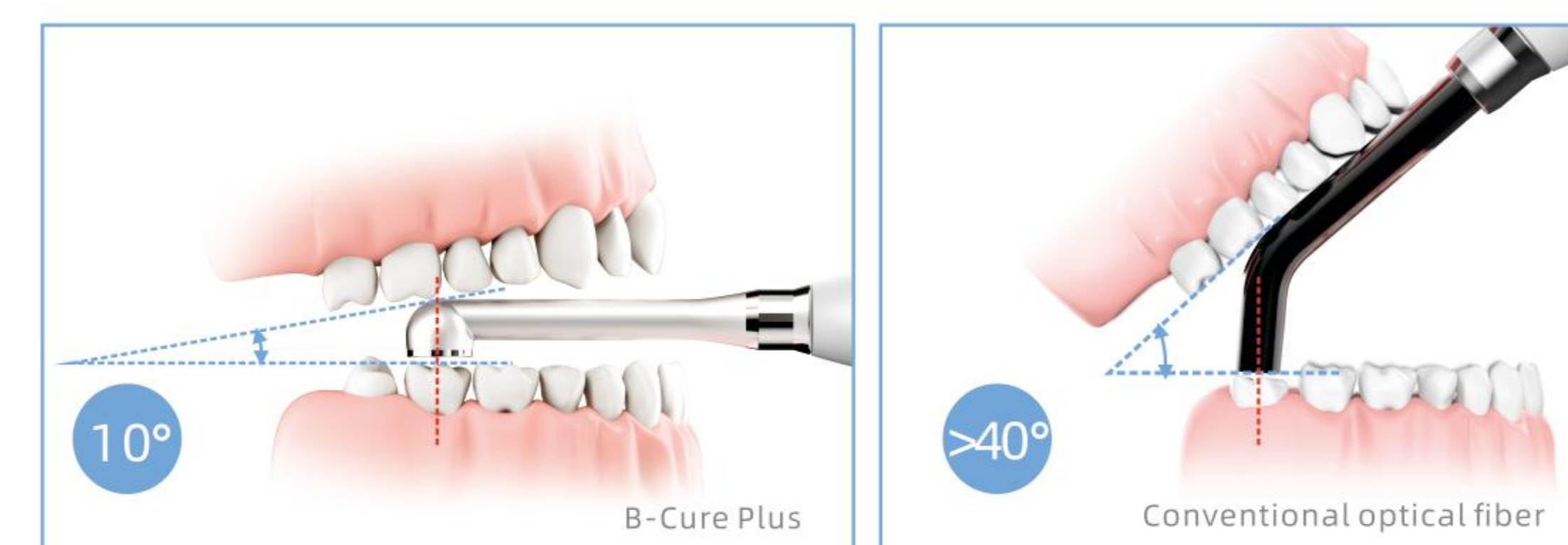
B-Cure Plus is equipped with 5w LED.
The maximum light intensity can reach 3000mw/cm² with such a small size.

Curing normal resin that is thicker than 2mm in one second.

Play an important role in cementation of all-ceramic restoration and orthodontic bracket.

Designed for comfort

Optimized light head



ONECURE™ Wide Spectrum Curing Expert



Scan for more details in website

NEW GENERATION OF WIDE-SPECTRUM LED



Wide Spectrun Curing Light

LED.F PLUS

Updated with
wide-spectrum LED
(385-515nm)

Characteristic

Constant light intensity

3 SECONDS
FOR
CURING

Up to 1800mW/cm²
HIGH INTENSITY



Scan for more details in website

LED.H ORTHO

A TOUCH AND DONE, ALL FOR ORTHO.

Rapid orthodontic 3 seconds for curing
Intensity light 1,800mW/cm², only 3 seconds to solidify the bracket.

Beveled light guide
Easy to touch any part of teeth , Can radiate vertically at any angles , especially suitable for posterior teeth

Continuous work time
Full metal body for intelligent cooling system , preventing overheating after long-time work.

LIGHT HOOD



Woodpecker light hood is made of selected quality materials, rejecting Blue-ray injury.
Studies prove that Blue-ray will cause macular degeneration to retina and eyes.



OPTICAL FIBER

Can be autoclaved under 135°C high temperature and 0.22Mpa high pressure, Effectively avoiding cross infection.



BATTERY



Woodpecker lithium battery with CB certification, more reliable,no explosion

Batteries on the market without sound charge management, easily cause explosion under high temperature,unguaranteed quality.

Batteries produced by unknown manufacturer will easily cause safety accidents.Please visit Woodpecker official website (www.glwoodpecker.com), click on video and watch Battery High Temperature Test.



Scan for more details in website

LED.B

- Wireless.
- Time setting: 5s, 10s, 15s, 20s.
- Large capacity battery. A full charge can be used for more than 500 times continuously under 10s working time mode.
- Low standby power consumption with seventy days` standby time.
- Constant light intensity. The solidification effect is not affected by the consumption of remaining power.

Light intensity updated 5 seconds for curing



Industrial design patent No.: CN 200730092316.9

Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm ² -1600mW/cm ²
Net weight	145g
Dimensions	260mm×34mm×34mm

LED.D

- Wireless. The battery can be replaced.
- Three working modes: Full, Ramping, Pulse.
- Time setting: 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s.
- A full charge can be used for over 400 times. (10s/time)
- Constant light intensity, the solidification effect is not affected by the consumption of remaining power.
- With wire or wireless. It can run directly on commercial power supply whilst the battery runs out.

Light intensity updated 5 seconds for curing



Industrial design patent No.: CN 200930300230.X

Power input	AC100V-240V 50Hz/60Hz
Light output	850mW/cm ² -1600mW/cm ²
Net weight	143g
Dimensions	264mm×32mm×37mm

LED.C

- Wireless. The battery can be replaced.
- Three working modes: Full, Ramping, Pulse.
- Time setting: 5s, 10s, 15s, 20s.
- Large capacity battery. A full charge can be used for more than 400 times continuously under 10s working time mode.
- Low standby power consumption with forty days` standby time.
- Constant light intensity. The solidification effect is not affected by the consumption of remaining power.

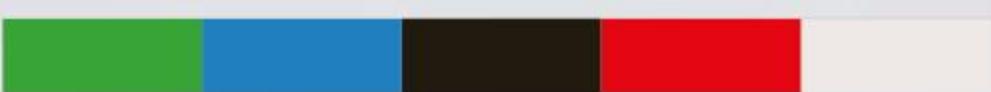


Industrial design patent No.: CN 200830300501.7

Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm ² -1200mW/cm ²
Net weight	120g
Dimensions	263mm×Φ23mm

LED.H

- Metal shell, five colours optional.
- Wireless. The battery can be replaced.
- Three working modes: Full, Ramping, Pulse.
- Time setting: 3s, 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s.
- Large capacity battery.
- A full charge can be used for more than 500 times continuously under 10s working time mode
- Low standby power consumption with seventy days` standby time.
- Constant light intensity.
- The solidification effect is not affected by the consumption of remaining power.



Industrial design patent No.: CN 201130176281.3

Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm ² -1200mW/cm ²
Net weight	178g
Dimensions	252mm×Φ25mm

LED.G (Built-in sealed)



- Sealed, connect to the dental unit.
- 10 seconds working time.
- Three working modes: Full, Ramping, Pulse.

Power input AC24V 50Hz/60Hz
Light output 1000mW/cm²-1200mW/cm²
Net weight 135g
Dimensions 260mm×26mm×25mm

LED.Q (Built-in sealed) (No CE)



- Sealed, connect to dental unit.
- Time setting: 10s, 20s, 30s.
- Working mode: Full.

Power input ~24V 50Hz/60Hz 0.4A Max
Light intensity 1000mW/cm²-1200mW/cm²
Net weight 127g
Dimensions 248mm×26mm×26.5mm

Curing Light MINIS (No CE)



- Woodpecker, High Quality Manufactured.
- Comfortable ergonomic design.
- Simple one-button operation.
- More than 300 times 10-second cures.
- Constant light intensity output.

Specification:

Battery 3.7V/1400mAh
Dimensions 230mmx 26mmX 30mm
Light output 1000mWcm²- 1 200mW/cm²
Power Input ~ 100V-240V 50Hz/60Hz
Power Output 4.2V===1A



Scan for more details in website

UDS-E LED

Scaling

Perio

Endo

Handpiece with LED

Auto-water supply

Use of anti-rot material in internal water system enables use

of clinical solutions such as hydrogen peroxide,

sodium hypochlorite, and chlorhexidine,

improving the effect of periodontal treatment and endodontic irrigation dramatically.

Detachable handpiece with light enables better visibility and adopts new sealing technique,

bringing patients comfortable scaling.

Automatic degenerative feedback and constant power output brings rather comfortable scaling.



Voltage input: ~220V 50HZ

Main unit weight: 1.17kg

Main unit input: ~24V 50HZ 1.3A

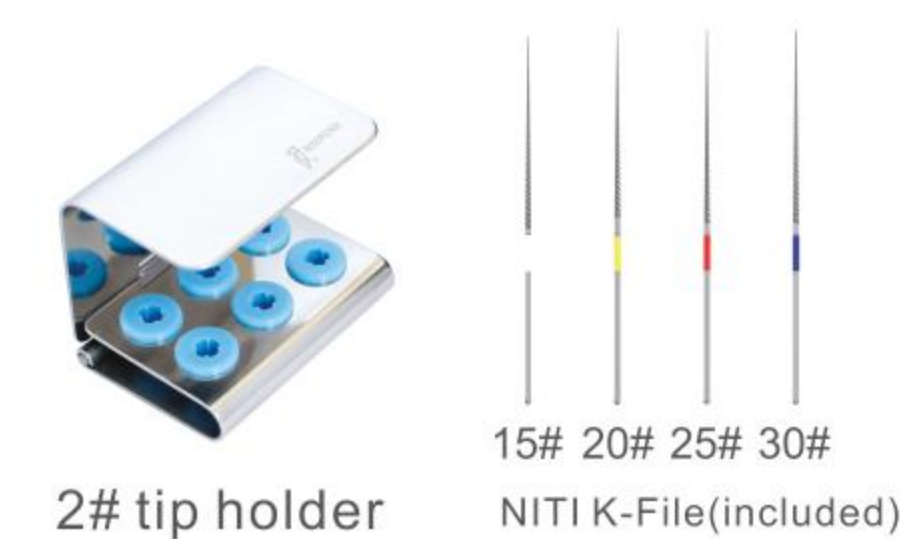
Transformer weight: 1.0kg

Output power: 38VA

Frequency: 28kHz ± 3KHz

Dimensions: 234mmX193mmX109mm

Endodontic irrigation



UDS-P LED

Scaling

Perio

Endo

Handpiece with LED

Detachable handpiece with light enables better visibility.

Automatic degenerative feedback and constant power

output brings rather comfortable scaling.

Voltage input: ~220V 50HZ

Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)

Main unit input: ~24V 50HZ 1.3A

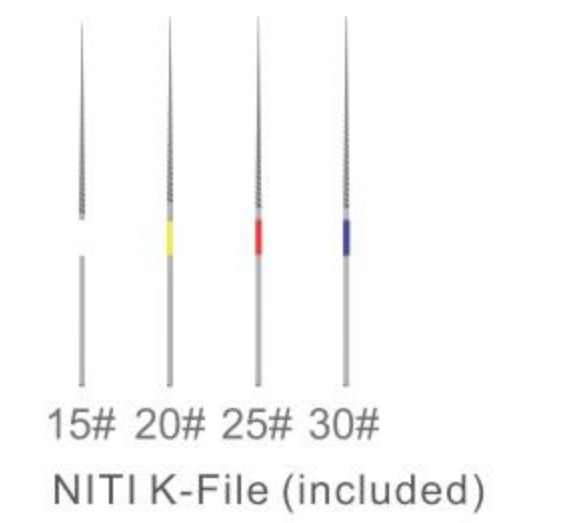
Main unit weight: 0.68kg

Output power: 38VA

Transformer weight: 1.0kg

Frequency: 28kHz ± 3KHz

Dimensions: 178mmX145mmX89mm



UDS-B

Scaling

Perio

Sealed handpiece

Automatic degenerative feedback and constant

power output brings rather comfortable scaling.

Voltage input: ~220V 50HZ

Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)

Main unit input: ~24V 50HZ 1.3A

Main unit weight: 0.62kg

Output power: 38VA

Transformer weight: 1.0kg

Frequency: 30kHz ± 3KHz

Dimensions: 192mmX128mmX78mm



UDS-K LED

Scaling

Perio

Handpiece with LED

Detachable handpiece with light enables better visibility
Microcomputer control,
automatic frequency tracking,
Automatic degenerative
feedback and constant power
output brings rather
comfortable scaling.



Voltage input: ~220V 50HZ

Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)

Main unit input: ~24V 50HZ 1.3A

Main unit weight: 0.75kg

Output power: 38UA

Transformer weight: 1.0kg

Frequency: 28kHz ± 3KHz

Dimensions: 170mmX111mmX65mm



UDS-J2 LED

Scaling

Perio

Handpiece with LED

Sealed handpiece with light enables better visibility.

The handpiece sleeve can be autoclaved, avoiding cross-infection.

Three optional colors of handpiece sleeve: green, blue, and purple.

Build-in power supply.

Automatic degenerative feedback and constant power output brings rather comfortable scaling.

Voltage input: ~220V 50HZ

Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)

Output power: 38VA

Transformer weight: 1.7kg

Frequency: 28kHz ± 3KHz

Dimensions: 190mmX125mmX60mm



UDS-J (No CE)

Scaling

Perio

Sealed handpiece Automatic
degenerative feedback and
constant power output brings
rather comfortable scaling.



Voltage input: ~220V 50HZ

Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)

Main unit input: ~24V 50HZ 1.3A

Main unit weight: 0.80kg

Output power: 38VA

Transformer weight: 1.0kg

Frequency: 30kHz ± 3KHz

Dimensions: 205mmX135mmX74mm



UDS-A LED

Scaling

Perio

Endo

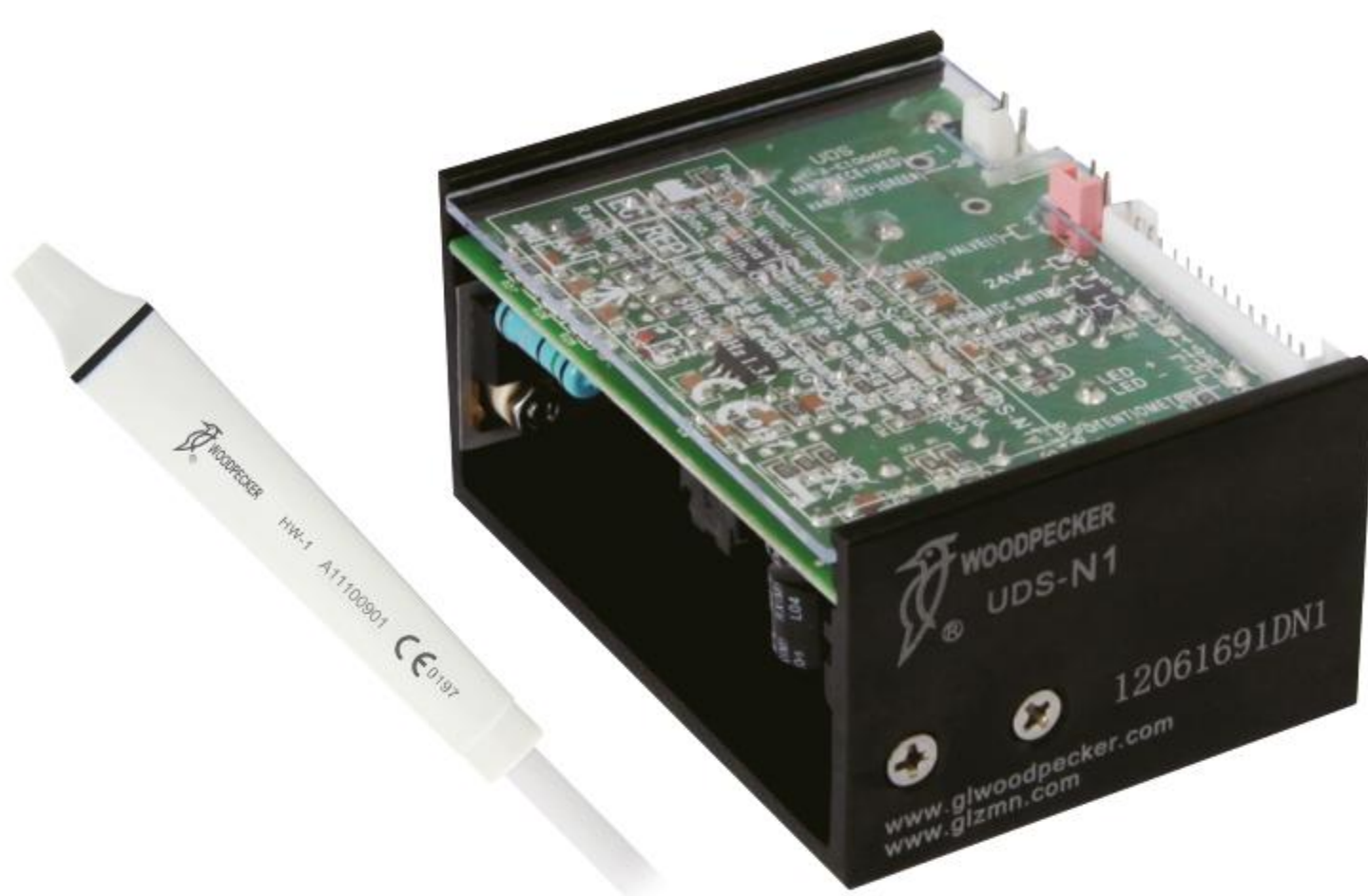
Handpiece with LED



Detachable handpiece with light enables better visibility.
Automatic degenerative feedback and constant power output brings rather comfortable scaling.

Voltage input: ~220V 50HZ
Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
Main unit input: ~24V 50HZ 1.3A
Main unit weight: 0.64kg
Output power: 38VA
Transformer weight: 1.0kg
Frequency: 28kHz ± 3KHz
Dimensions: 196mmX134mmX80mm

15# 20# 25# 30#
NITI K-File (included)



UDS-N1 (No CE)

Sealed handpiece;
Microcomputer control and automatic frequency tracking
Automatic degenerative feedback and constant power output brings rather comfortable scaling.
Water pressure: 0.1bar~5bar(0.01MPa~0.5MPa)
Main unit input: ~24V 50HZ
Main unit weight: 0.2kg
Output power: 38VA
Frequency: 28kHz ± 3KHz
Dimensions: 74mmX56mmX38mm



UDS-N1

Match detachable handpiece HW - 1

UDS-L LED

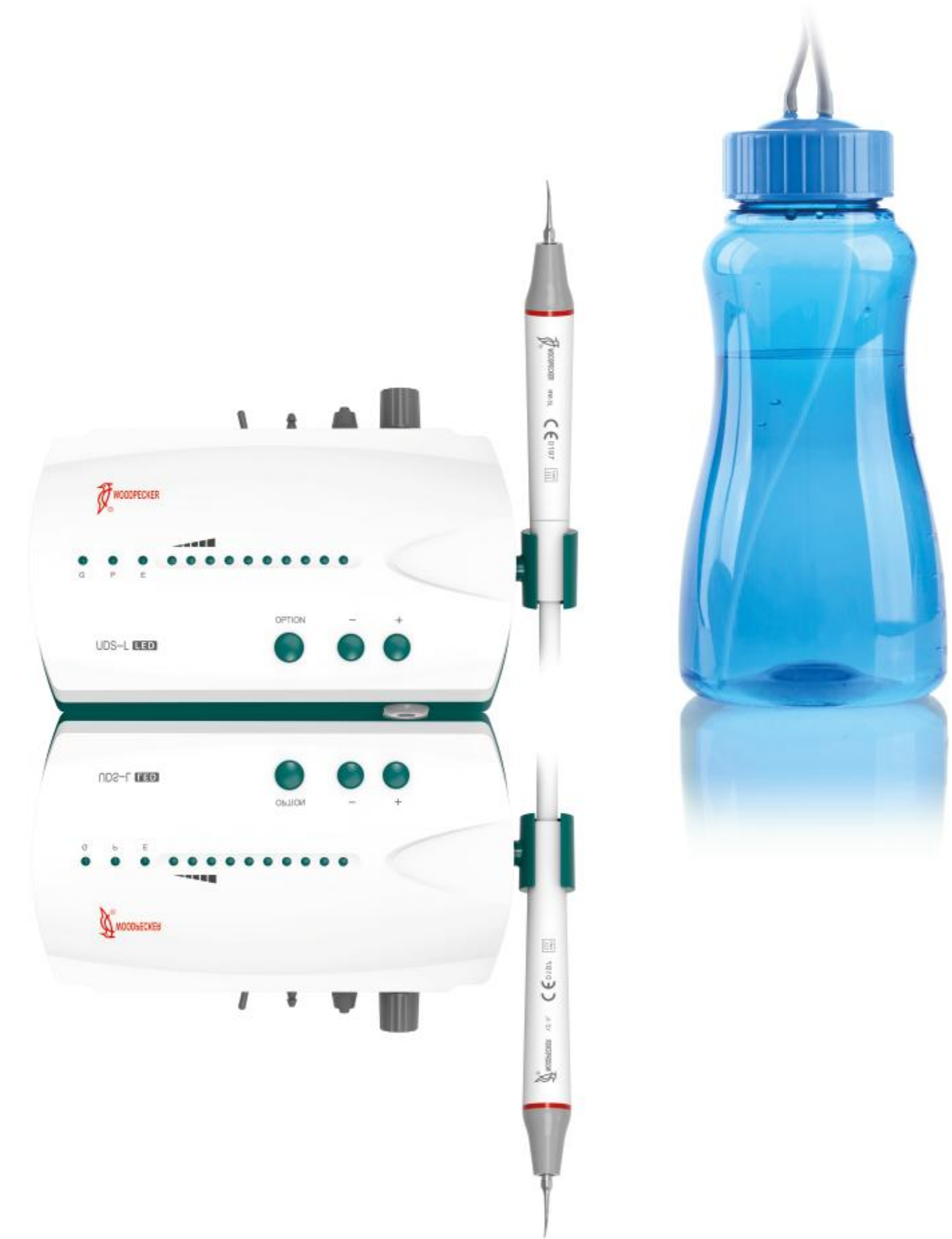
Scaling

Perio

Endo

Handpiece with LED

Auto-water supply



Automatic water supply system brings more convenient operation. (Optional)
Detachable handpiece with light enables better visibility. Automatic degenerative feedback and constant power output brings more comfortable scaling.

Voltage input: ~220V 50HZ
Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
Main unit input: ~24V 50HZ 1.3A
Main unit weight: 0.73kg
Output power: 38VA
Transformer weight: 1.0kg
Frequency: 28kHz ± 3KHz
Dimensions: 190mmX125mmX60mm

15# 20# 25# 30#
NITI K-File (included)



UDS-N2 LED

Detachable handpiece with light
Microcomputer control and automatic frequency tracking
Automatic degenerative feedback and constant power output brings rather comfortable scaling.
Water pressure: 0.1bar~5bar(0.01MPa~0.5MPa)
Main unit input: ~24V 50HZ
Main unit weight: 0.2kg
Output power: 38VA
Frequency: 28kHz ± 3KHz
Dimensions: 74mmX56mmX38mm



UDS-N2 LED

UDS-N2

Match detachable handpiece HW-5L

Match detachable handpiece HW - 3H

UDS-N3 LED

Special design for comprehensive dental chairs
Detachable handpiece with light
Integrate scaling, Endo, and Perio function into a whole.
Microcomputer control and automatic frequency tracking

Water pressure: 0.1bar~5bar(0.01MPa~0.5MPa)
Main unit input: ~24V 50HZ
Main unit weight: 0.2kg
Output power: 38VA
Frequency: 28kHz ± 3KHz
Dimensions: 74mmX56mmX38mm

15# 20# 25# 30#
NITI K-File (included)



UDS-N3 LED

Match detachable handpiece HW-5L

UDS-N3

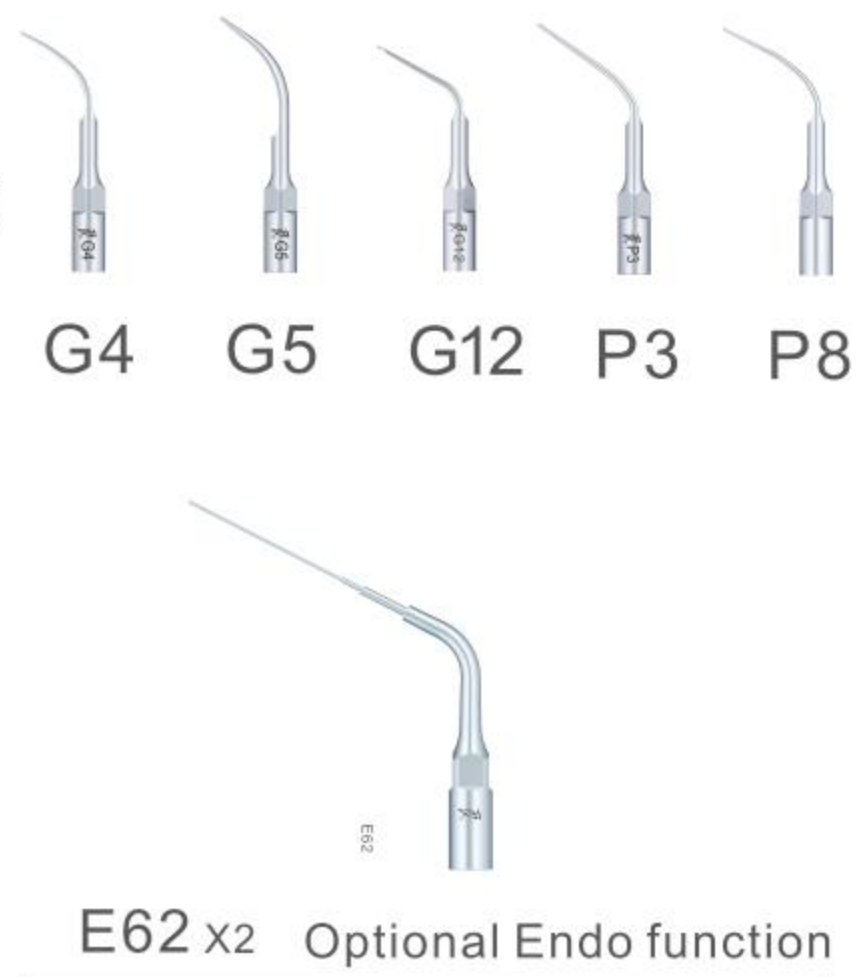
Match detachable handpiece HW - 3H

N6 LED

Comfortable Teeth Scaling

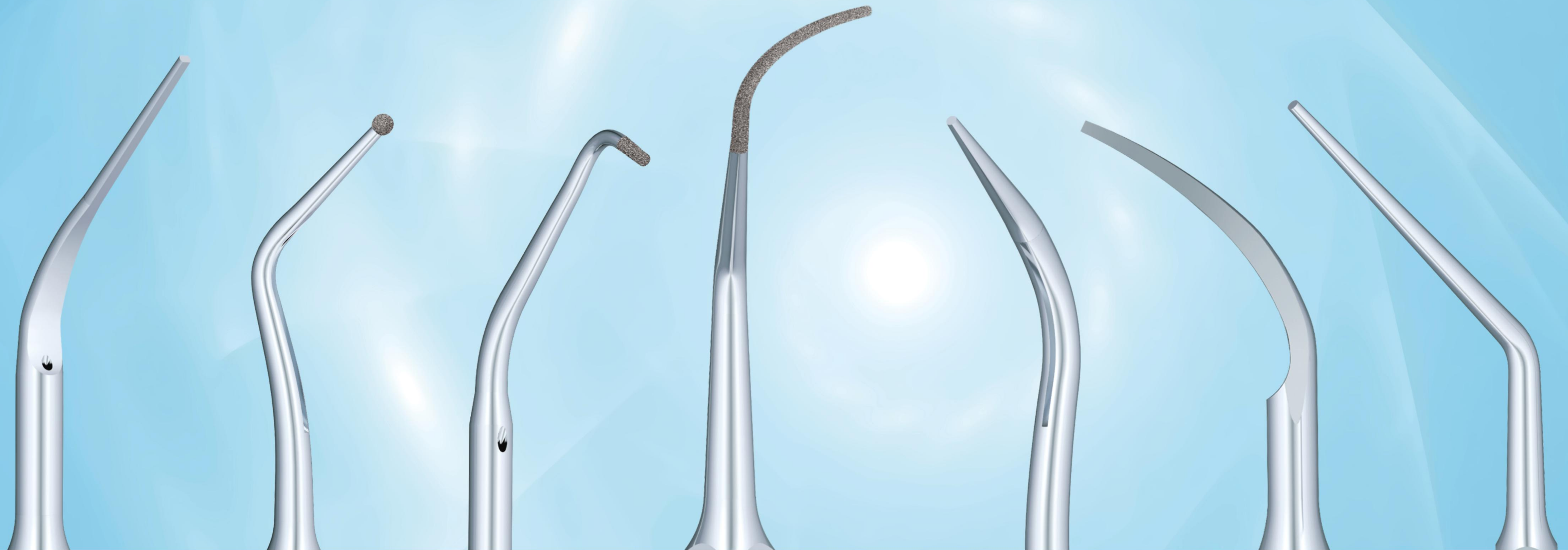
Supragingival & Subgingival scaling
Optional Endo function
Detachable metal handpiece prevents crack
Microcomputer control, automatic frequency tracking
30% smaller than the volume of N2,
occupying less space of tray in dental chair

Main unit input: ~24V50HZ
Main unit weight: 0.13kg
Output power: 38VA
Frequency: 28KHz± 3KHz
Dimensions: 59mm × 57mm × 33mm




E62 x2 Optional Endo function

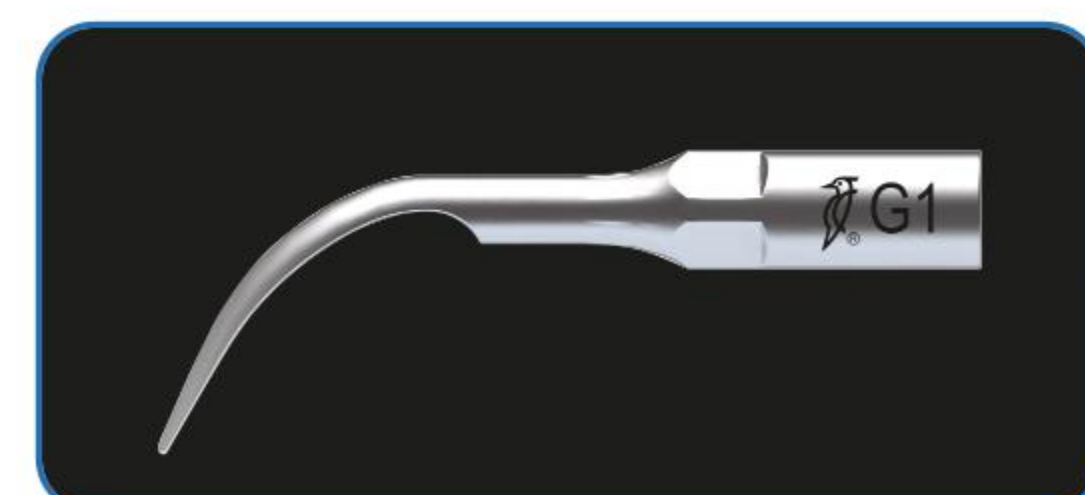
More powerful than you imagine





Please use the correct scaler tip



Tips marked with  connected to handpiece marked with **DTE** will lead to serious problem.

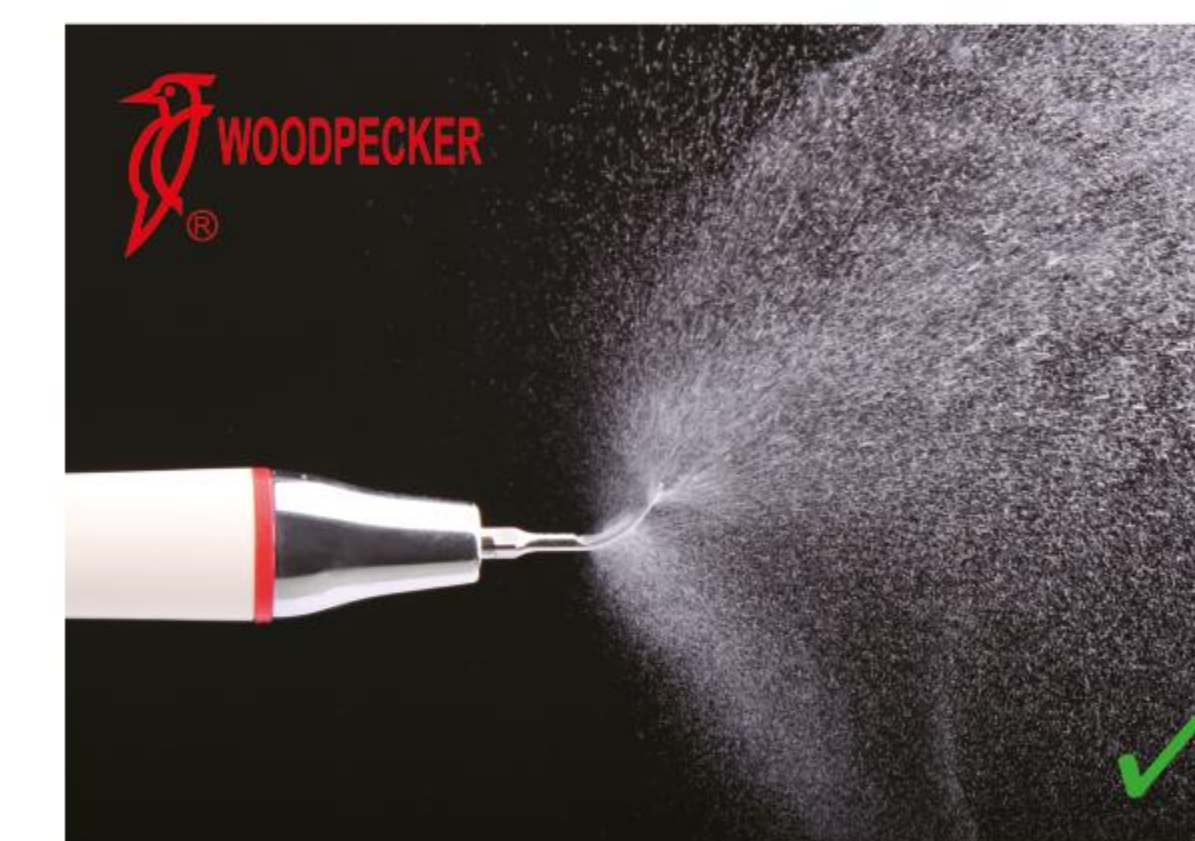
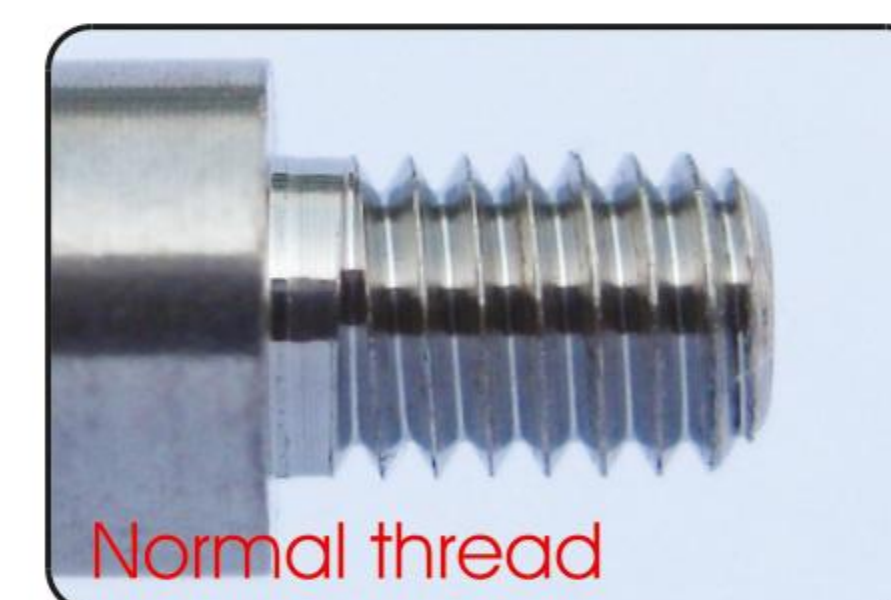


Tips marked with **DTE** connected to handpiece marked with  will lead to the same problem.

 These kinds of damages are not covered under warranty.



Scan for more details in website



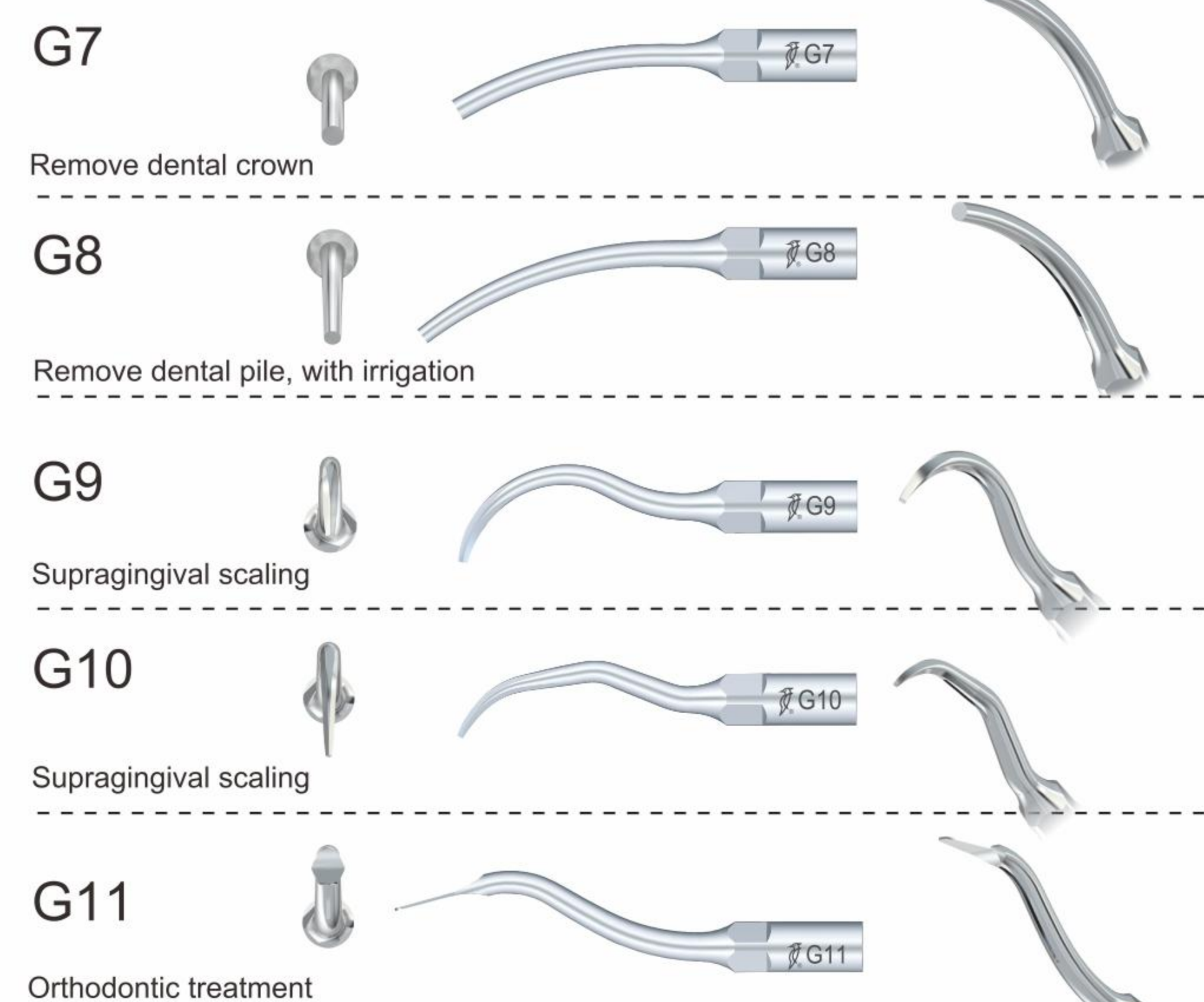
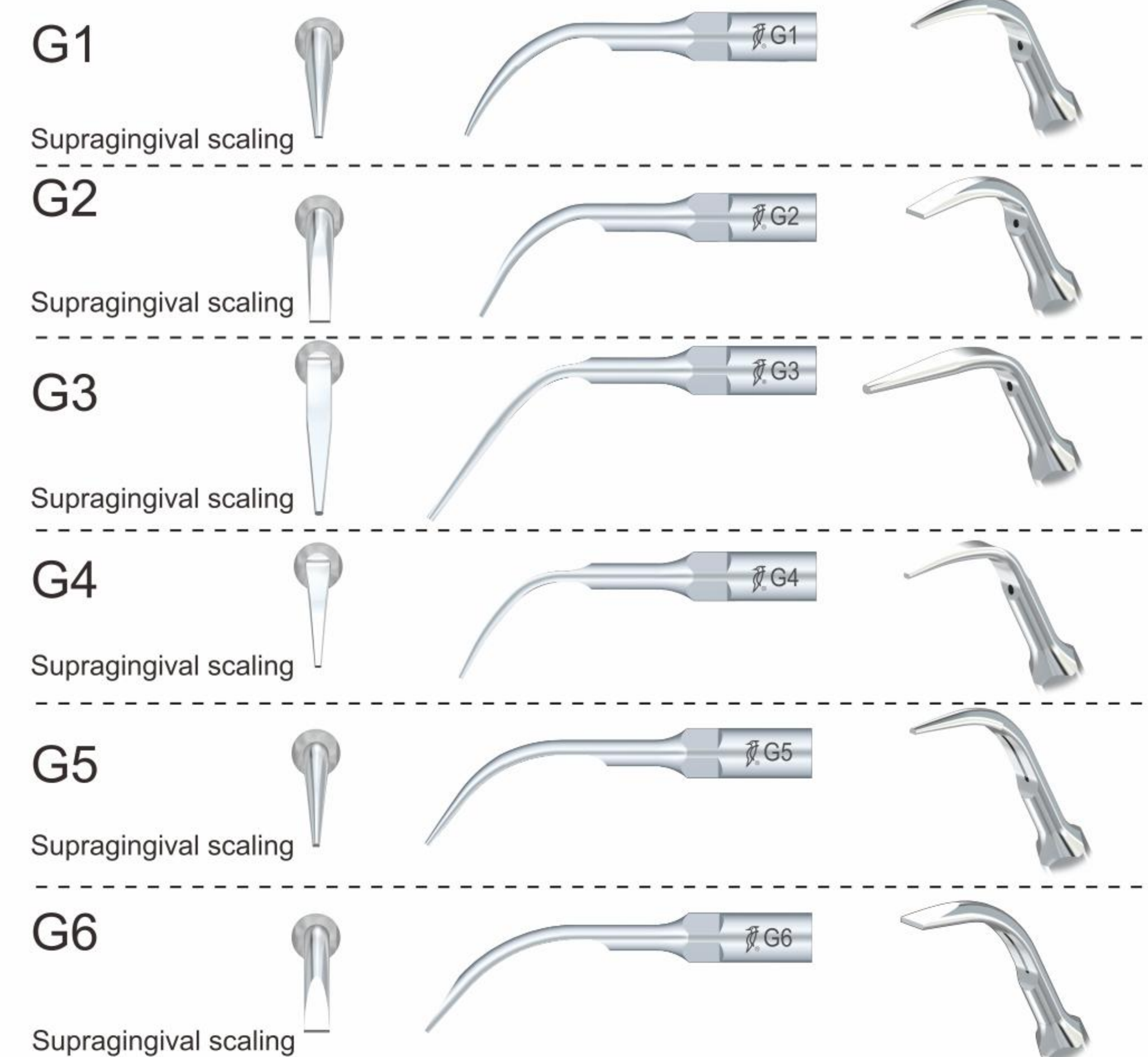
Please choose authentic Woodpecker tips! Reject to use disposable tips of poor quality

Woodpecker tip sprays evenly, effective cleaning and cooling

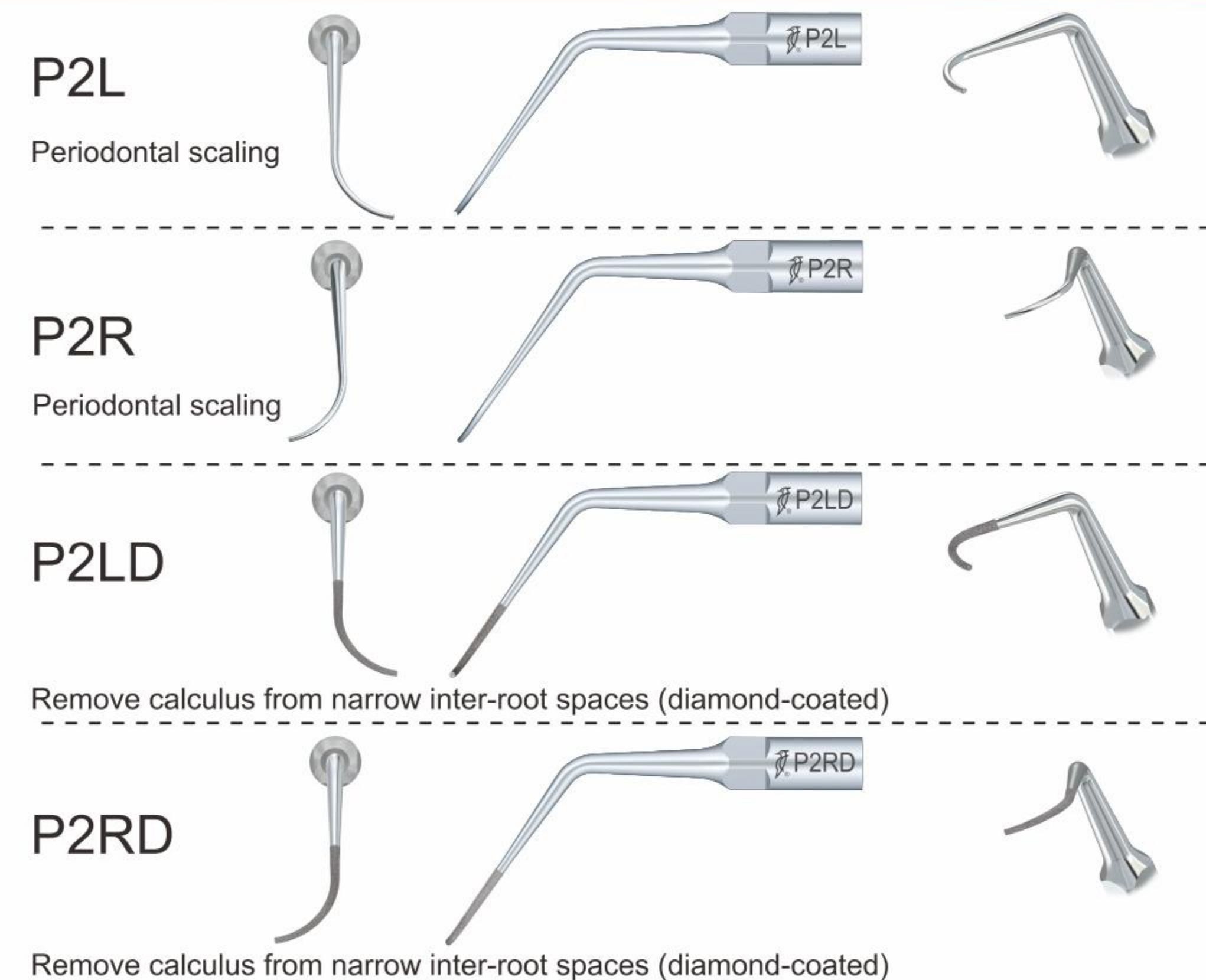
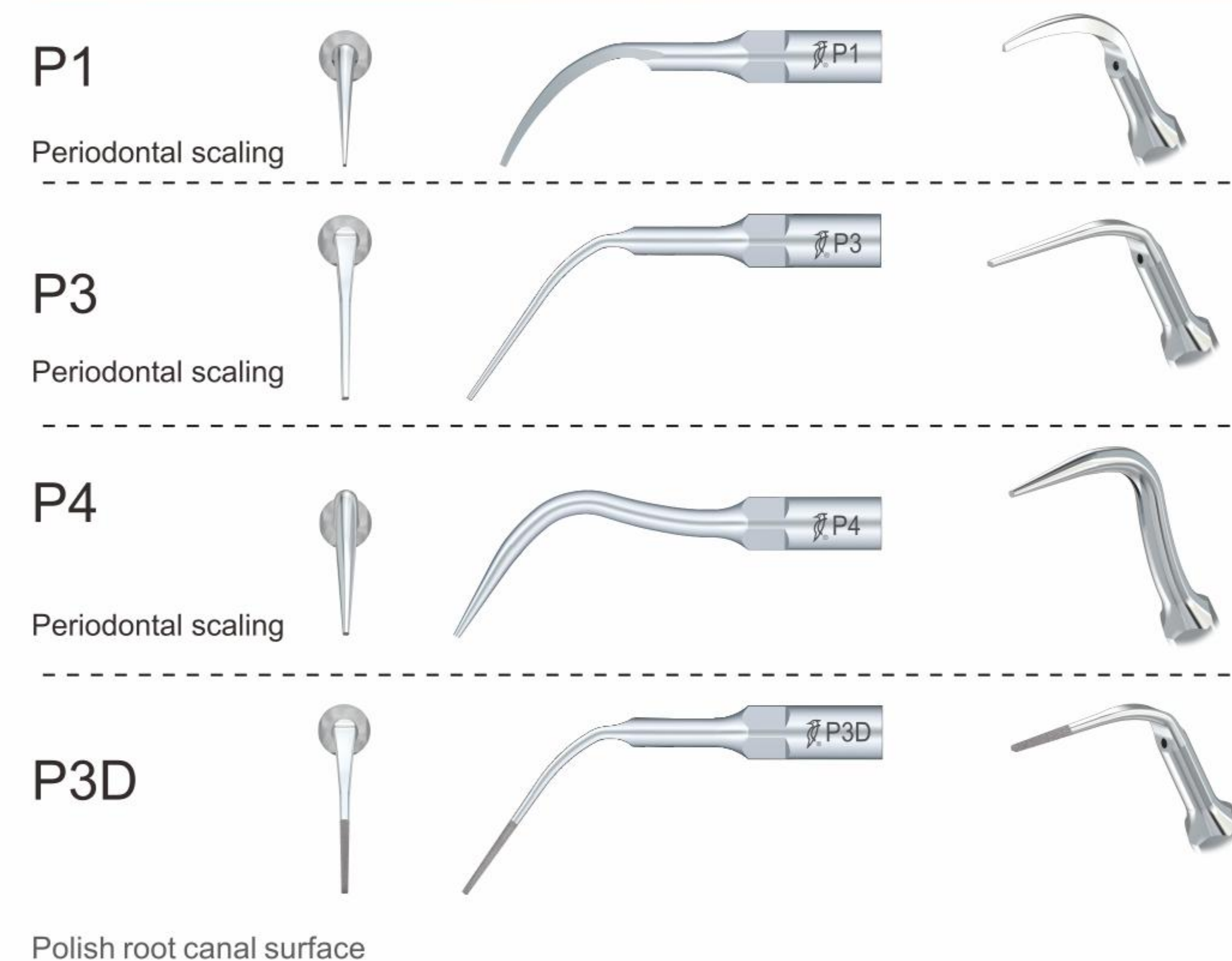
The cracked tip is easy to be swallowed by patients, which will cause serious medical accident. For the safety of you and your patients, please choose authentic Woodpecker tips.

After 300 cycles of sterilization, there isn't any rust on Woodpecker tips. There is also no crack after working for 1000 hours.

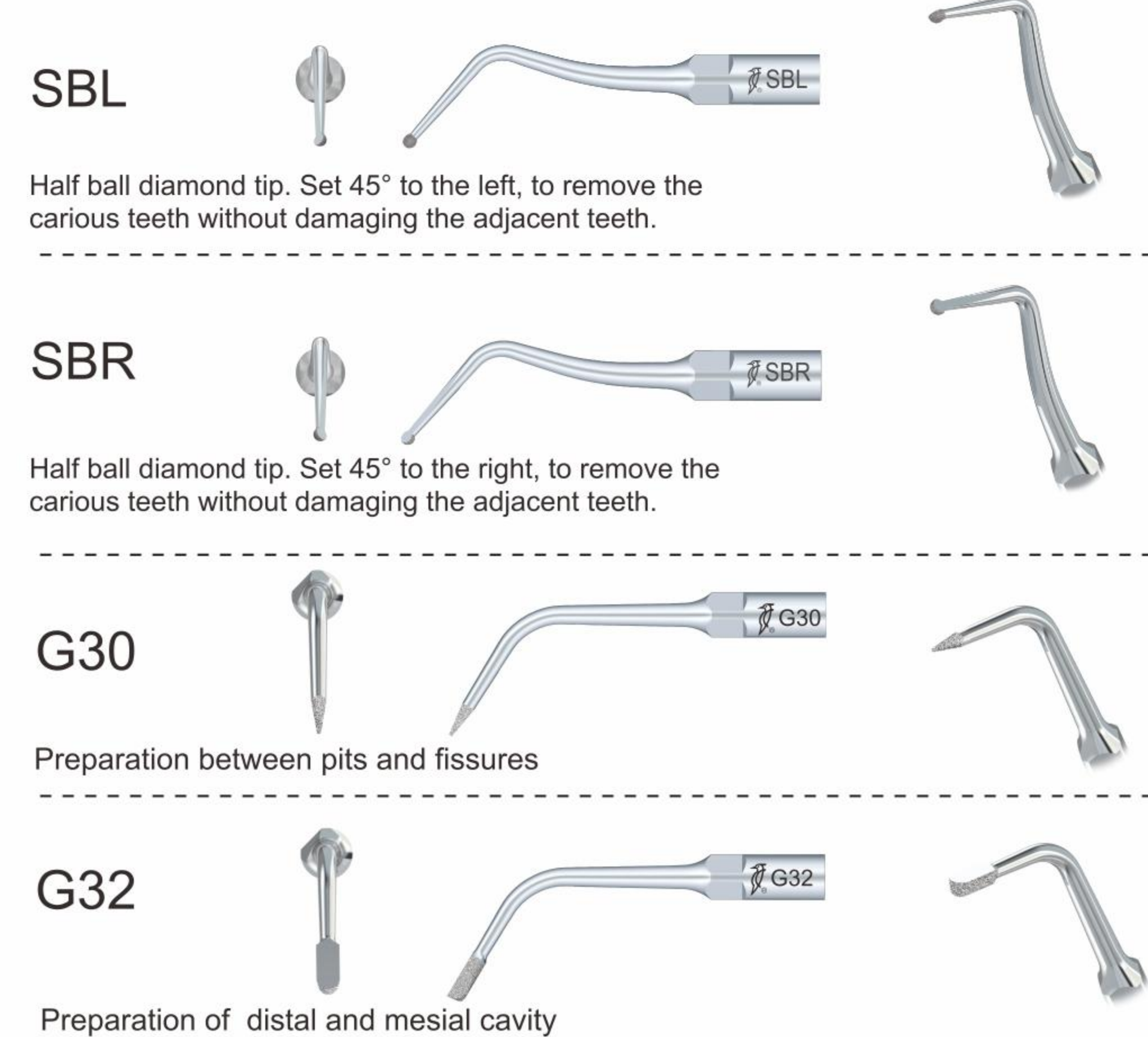
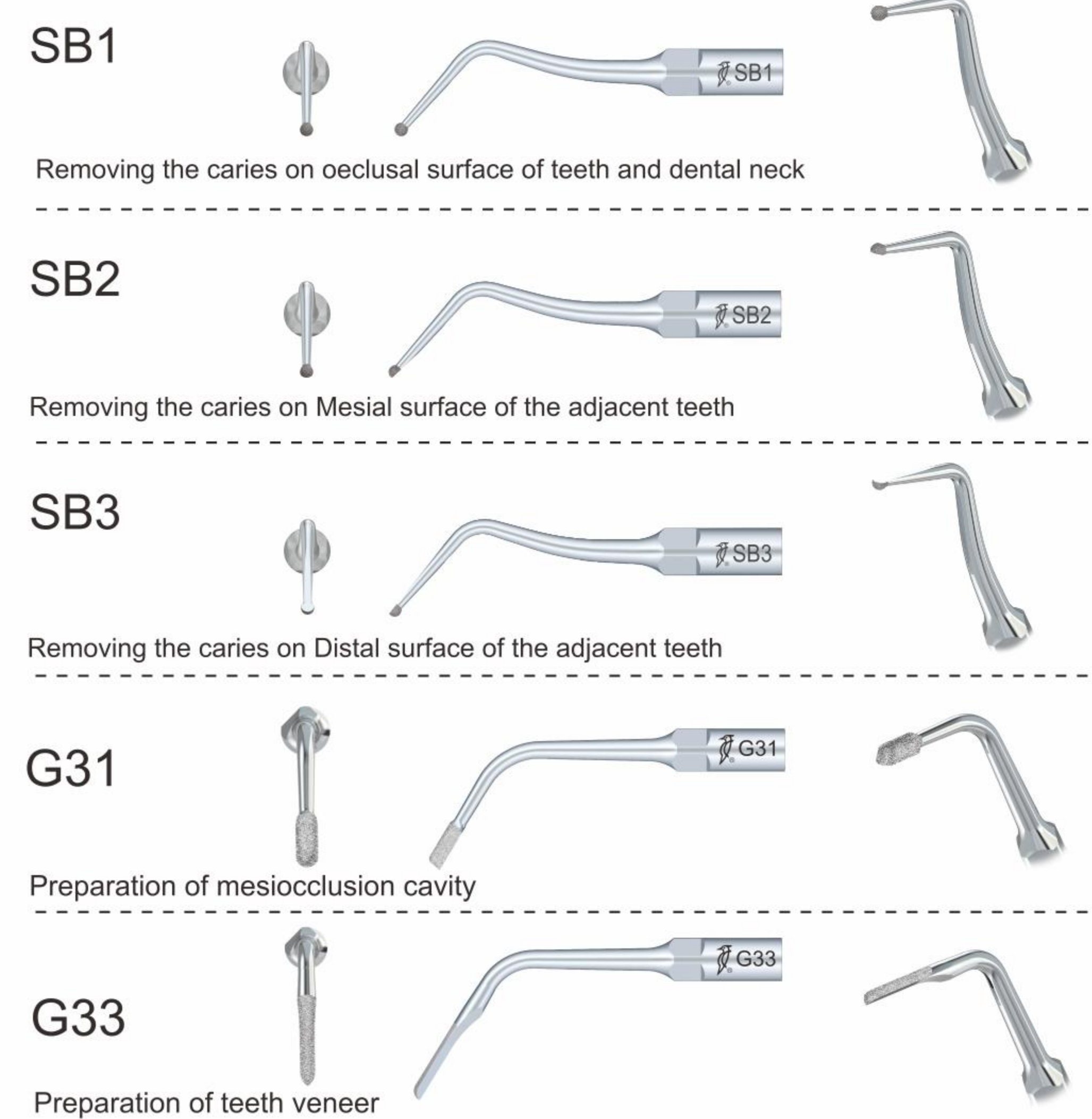
Scaling



Periodontics



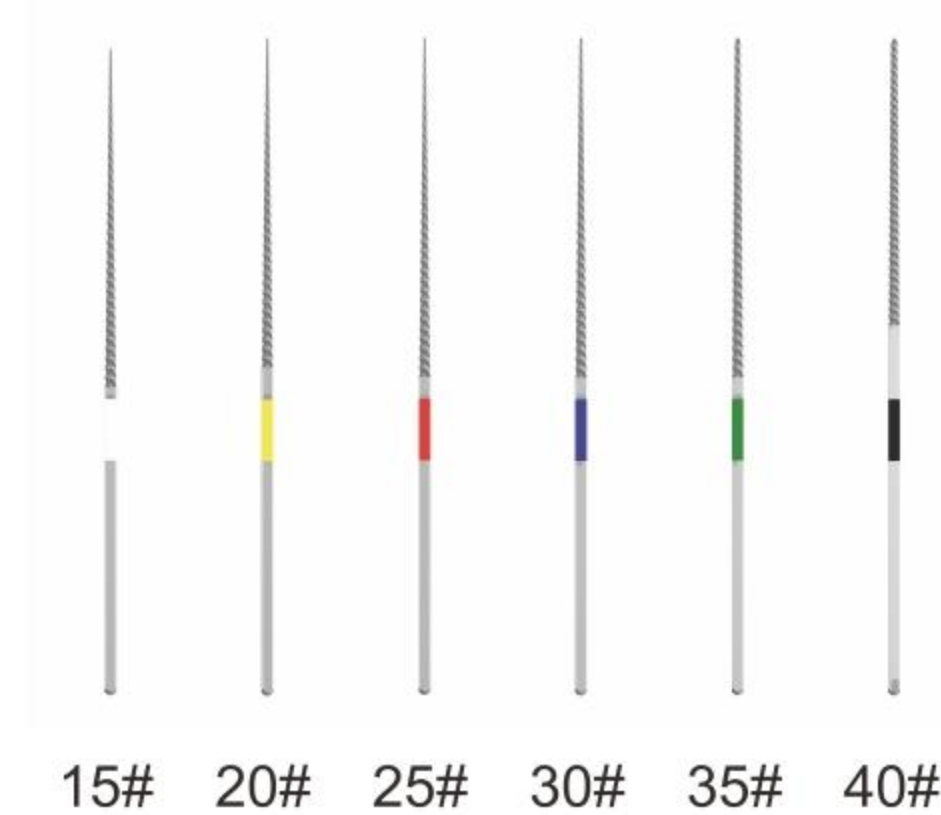
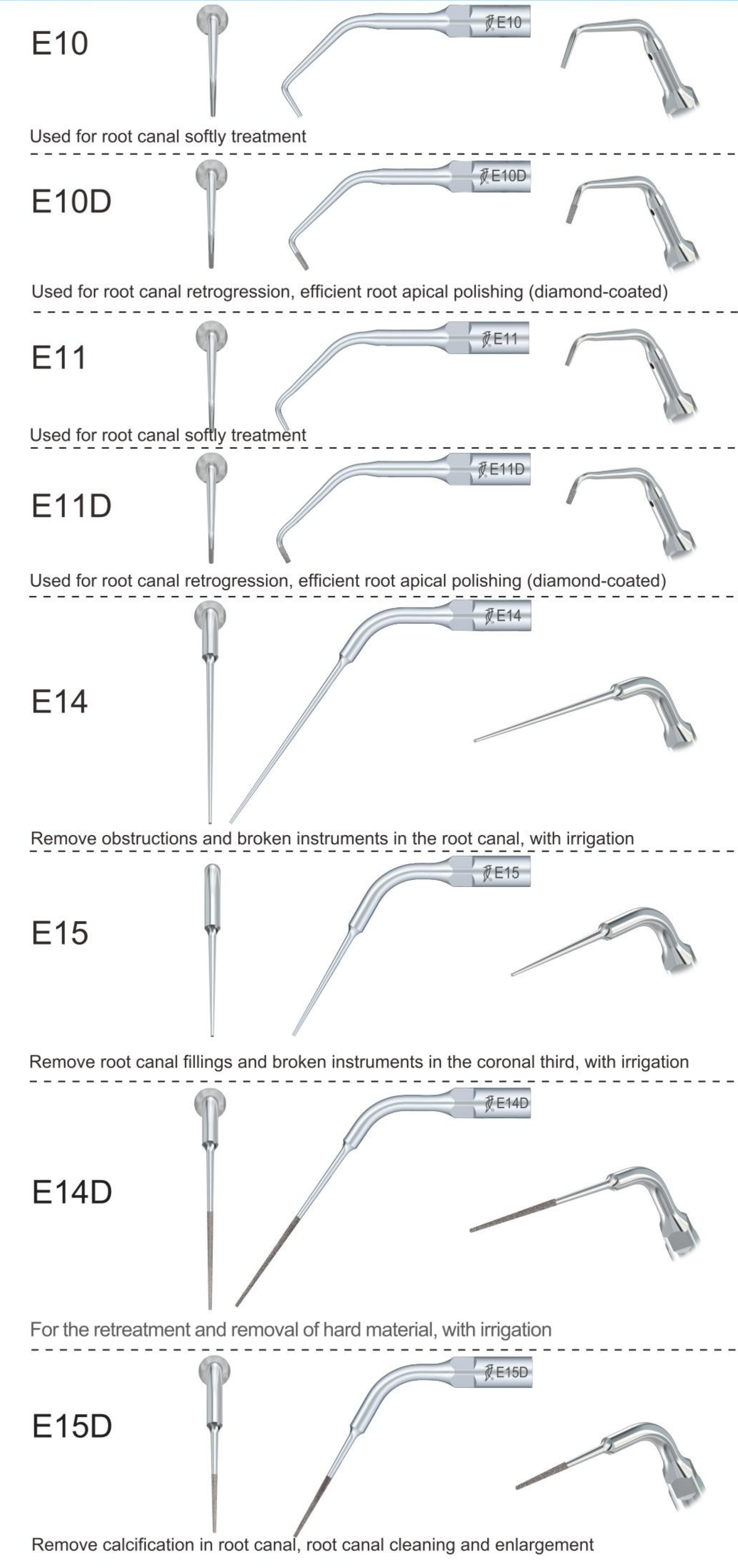
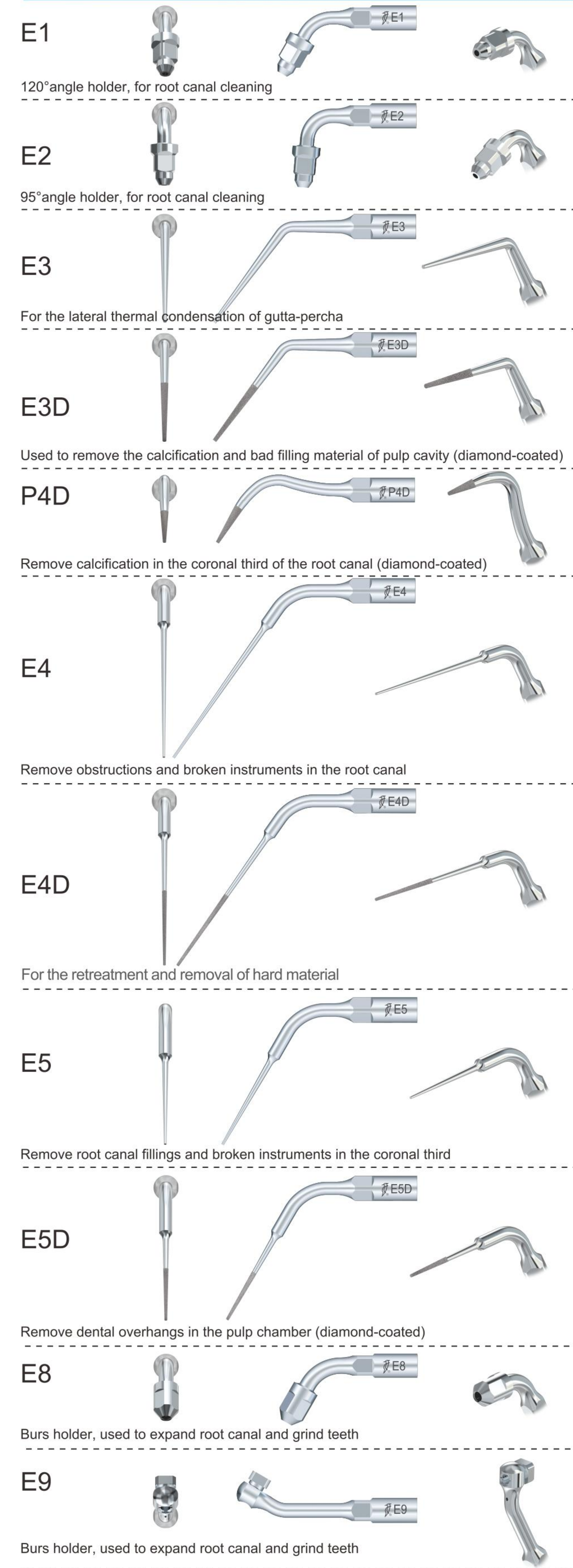
Cavity preparation



Shoulder preparation



Endodontics



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

Scaling

G1T



Supragingival scaling

G2T



Supragingival scaling

G3T



Supragingival scaling

G4T



Supragingival scaling

G5T



Supragingival scaling

G6T



Supragingival scaling

G7T



Remove dental crown

G8T



Remove dental pile, with irrigation

G9T



Supragingival scaling

G10T



Supragingival scaling

Endodontics

E1T



120°angle holder, for root canal cleaning

E2T



95°angle holder, for root canal cleaning

E3T



For the lateral thermal condensation of gutta-percha

E4T



Remove obstructions and broken instruments in the root canal

E5T



Remove root canal fillings and broken instruments in the coronal third

E8T



Burs holder, used to expand root canal and grind teeth

E9T



Burs holder, used to expand root canal and grind teeth

E10T



Used for root canal softly treatment

E11T



Used for root canal softly treatment

E14T



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

E15T



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

Periodontics

P1T



Periodontal scaling

P2LT



Periodontal scaling

P2RT



Periodontal scaling

P3T



Periodontal scaling

P3LT



Periodontal scaling

P3RT



Periodontal scaling

P4T



Periodontal scaling

P5T



Periodontal scaling

P10T



Periodontal scaling

P11T



Periodontal scaling

P12T



Periodontal scaling

P14LT



Periodontal scaling

P14RT



Periodontal scaling

P18T



Periodontal scaling

P20T



Periodontal scaling

P20LT



Periodontal scaling

P20RT



Periodontal scaling

P21LT



Periodontal scaling

P21RT



Periodontal scaling

P22LT



Periodontal scaling

P22RT



Periodontal scaling

P22RT



Periodontal 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

Periodontics (Used for SIRONA)

PS1

Periodontal scaling

PS3

Periodontal scaling

PS4

Periodontal scaling

PS3D

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

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

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 softly treatment

ES11

Used for root canal softly 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

Scaling (Used for KAVO)

GK1

Supragingival and subgingival scaling

GK2

Supragingival and subgingival scaling

GK3

Supragingival and subgingival scaling

GK4

Supragingival and subgingival scaling

GK5

Supragingival and subgingival scaling

GK6

Supragingival and subgingival scaling

GK7

Supragingival and subgingival scaling

GK11

Orthodontic treatment

GC1

Supragingival and subgingival scaling

GC2

Supragingival and subgingival scaling

EK8

Burs holder, used to expand root canal and grind teeth

Periodontics (Used for KAVO)

PC1

Subgingival scaling

Used for AMDENT

A1

Supragingival scaling

A2

Supragingival scaling

A1T

Supragingival scaling

Bone surgery

US1

Osteotomy

US1L

Osteotomy

US1R

Osteotomy

US2

Osteotomy

US3

Osteotome of precision in the thin regions

US4

Bone remodeling and bone chip harvesting

US5

Bone remodeling and bone chip harvesting

US6

Precise osteotomy

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°)

Endodontic

UE1

Apical root debridement (diamond-coated) *The size of diamond grit is 40µm.

UE2

Soft apical root debridement

UE3

Apical root debridement (diamond-coated) *The size of diamond grit is 40µm.

UE4

Soft apical root debridement

Exelcymosis

UC1

Used for cutting ligaments, minimally damnification exelcymosis

UC3

Used for cutting ligaments, minimally damnification exelcymosis

UC2

Used for cutting ligaments, minimally damnification exelcymosis

Implantation

UI1

Used for implant, with tip ball Φ1.6mm

UI2

Used for implant, with tip ball Φ2mm, irrigation from tip point

UI3

Φ2mm implant site preparation tip,irrigation from tip point.

UI4

Φ3mm implant site preparation tip,irrigation from tip point.

UI5

Φ2mm implant site preparation tip,irrigation from tip point.

UI6

Φ3mm 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 Φ1.6mm

UI9

Used for implant, with tip ball Φ2.8mm

Periodontal surgery

UP1

Root scaling

UP2

Root scaling

UP3

Root scaling

UP4

Root surface debridement and root planning (diamond-coated)

*The size of diamond grit is 40µm.

UP5

Perio treatment

UP6

Bone remodeling, root planing in perio operation *The size of diamond grit is 40µm.

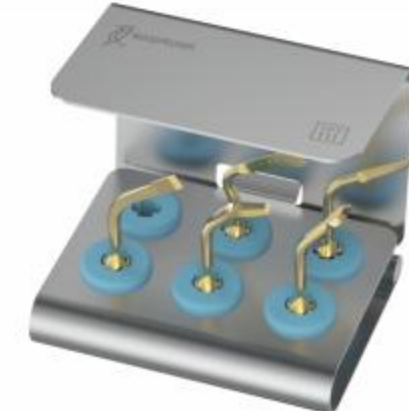
UP7

Bone remodeling and root canal enlargement (diamond-coated)

*The size of diamond grit is 40µm.

Ultrasonugy Tip Kit

Basic Kit



Include: US2/US3
US4/US5/UC1

Sinus Lifting Kit



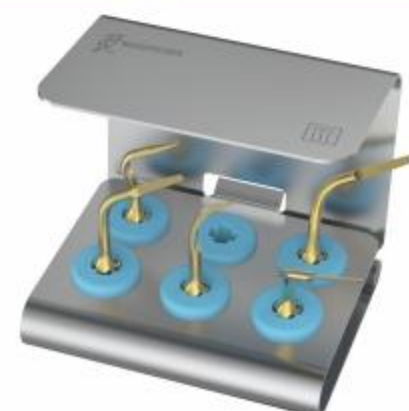
Include: UL1/UL2
UL3/UL4/UL5

Bone Surgery Kit



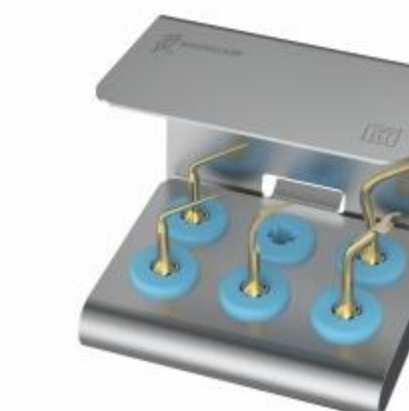
Include: US1/US2
US1L/US1R/US6

Exelcymosis Kit



Include: UC1/UC2
UC3/UP2/UP3

Periodontal Surgery Kit



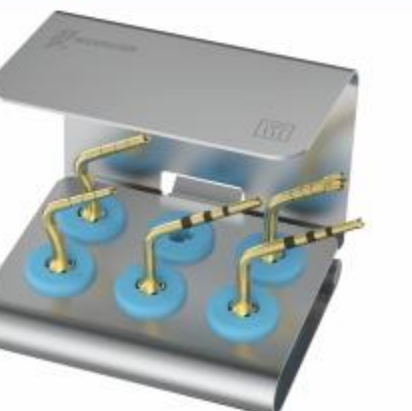
Include: US4/UP2
UP4/UP5/UP7

Endodontic Kit



Include: UE1/UE2
UE3/UE4/US4

Implantation Kit



Include: UI1/UI2
UI7/UI8/UI9