



Choice of Millions of Dentists Worldwide

270 patents worldwide; Exported to 137 countries

WOODPECKER

Scan and Login website
for more information



Guilin Woodpecker Medical Instrument Co.,Ltd.

Information Industrial Park,Guilin National High-Tech
Zone,Guilin,Guangxi,541004 P.R.China

Sales Dept: +86-773-5873196

E-mail: woodpecker@glwoodpecker.com

Website: <http://www.glwoodpecker.com>



MedNet EC-Rep GmbH
Borkstrasse 10 · 48163 Muenster · Germany

2021 1.0 Edition

Since **1989**

CATALOGUE

GUILIN WOODPECKER MEDICAL INSTRUMENT CO., LTD.



National high-tech enterprise
Choice of millions of dentists worldwide

Owner & CEO
Wu Xunxian



我是一个中国人，我会用我的一生
做好一件事，一件能让外国人尊重，能让中
国人自豪的事。
吴勋贤 2004.2.19

Enterprise profile

Concentration

Since **1989**, Woodpecker has been concentrating on the R&D of dental products.
15 product categories, exported to **137** countries.

Innovation

512 employees, **80%** are undergraduates, **90** R&D engineers.
249 national patents, **19** invention patents, **2** international patents.

Scale

85225 m² existing manufacturing and research base;
130576 m² international dental industry base. **222** million RMB invested to
build up full-automatic processing and testing center.



Aerial View of Company



Office Building



Library



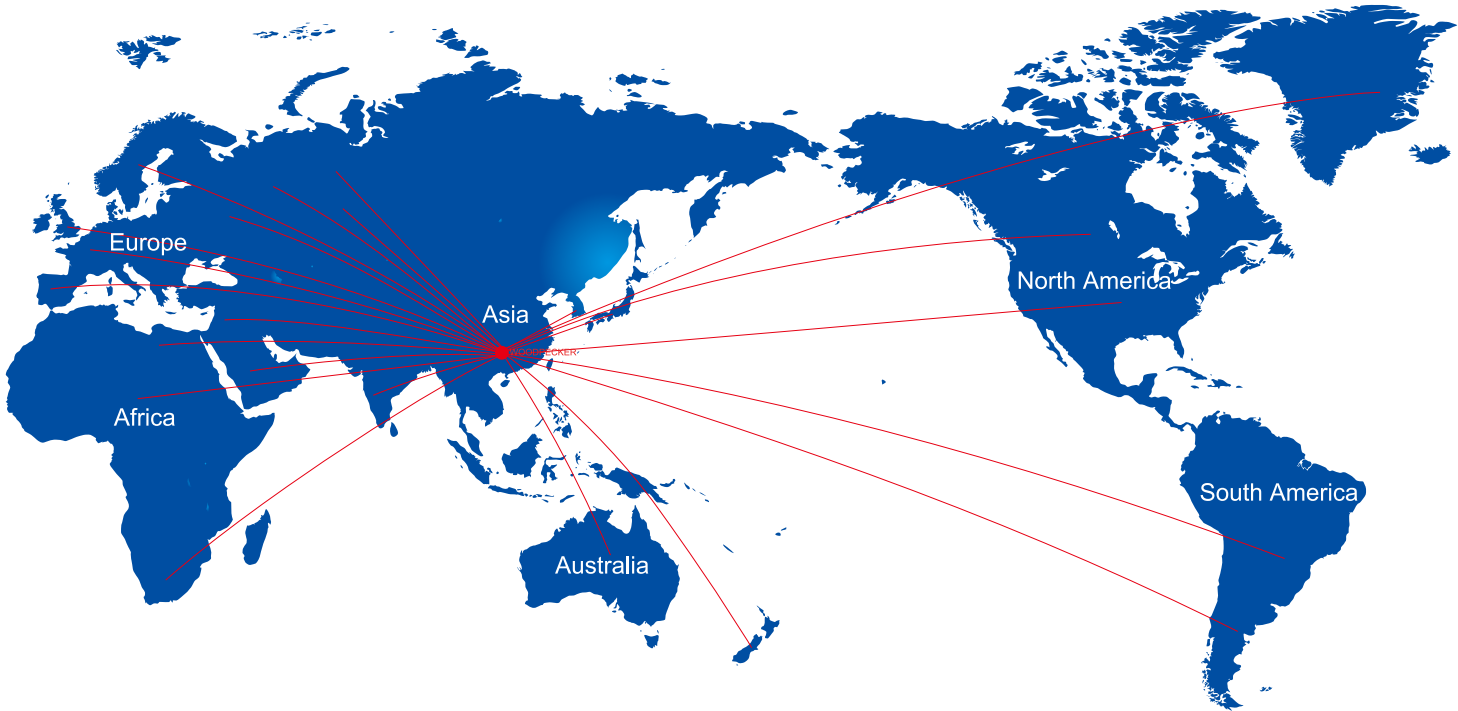
Lecture Hall



Show Room



Woodpecker products have been exported to 137 countries around the world

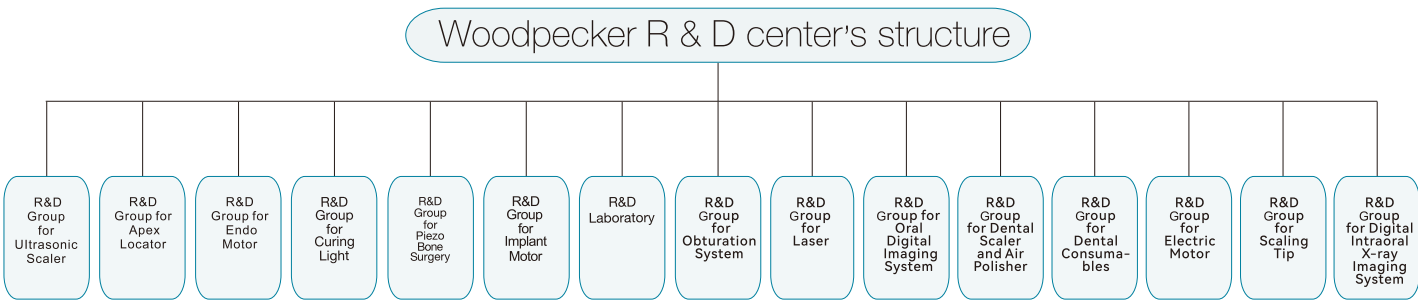


32 years' technical innovation

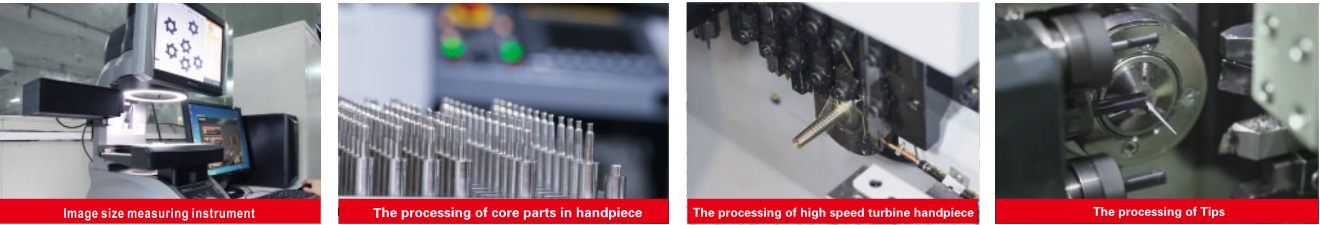
Made in China German quality
High – quality Durable Innovative

Experienced R&D team in dental instrument industry

Constituted of 16 teams specializing on each products in Woodpecker. Woodpecker now has 91 professional engineers focusing on researching and development of new technique in dental industry . and our target is to satisfy our customers by producing innovative and safe products .
Professional R&D team for each product.
32 years' concentration and innovation in core technology research and development.



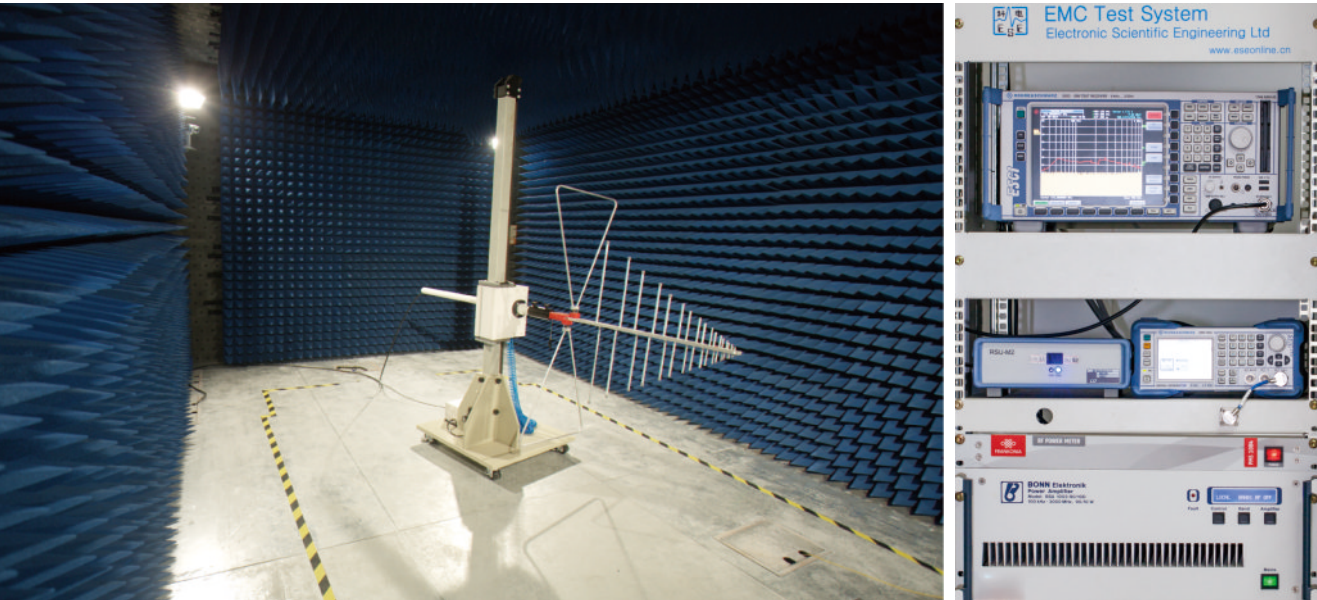
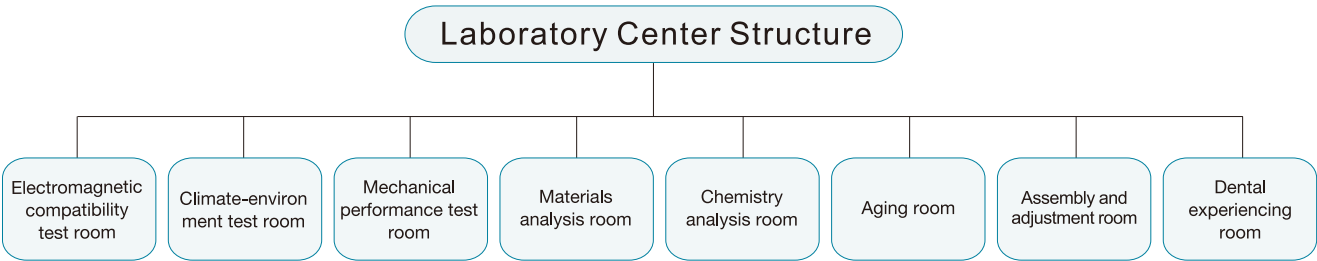
Advanced processing equipment in dental industry



- Invest 21.3 million USD to the construction of CNC Center which occupies an area of 2300 m². Automatic processing equipment is imported from Japan.
- The production of every core part is supported by equipment which costs more than a million yuan.

Leading laboratory in dental industry

Occupy an area of 1280 m².
Imported professional equipment from Germany, U.S.A, and Japan costs 5.7 million USD.



EMC Tester system The only EMC Test System in Chinese dental industry which costs 0.76 million USD



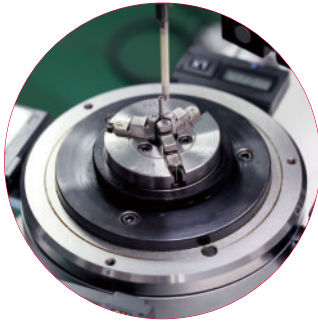
Mechanical Environmental Laboratory Simulate various extremely mechanical environments to ensure the quality of products.



Climate Environmental Laboratory
Simulate various extreme climate environments to ensure the quality of products.



Direct reading spectrometer
Imported from Germany, to detect components of elements, improving quality of raw material



Roundness measuring instrument
Imported from Japan, high degree of accuracy(0.01um)



Roughness detector
Imported from Japan , to test the roughness of metal surface



Energy dispersive X-ray fluorescence spectrometer
To decter the harmful materials, according to the demand of EU standard

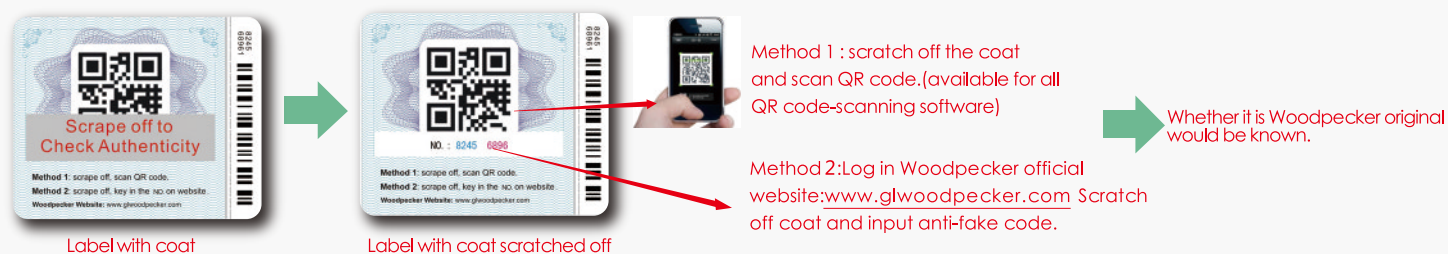


Profile gauge
Imported from Japan
For 3D measurement of precision parts



Ultra Depth of Field 3D Microscopy System
Imported from Japan, Super high magnification
For product analysis

How to check Authenticity



*The new anti-forgery query system is only applicable to products produced since 11st, September, 2014.

Harm of fake products

WOODPECKER and **DTE** are two brands of Guilin Woodpecker Medical Instrument Co., Ltd. Recently, there are many fake ultrasonic scaler handpieces, tips and curing lights are produced and sold into the market, which does harm to users' interest. On this issue, Woodpecker will crack down fake products and provide safe and secure medical instrument products.

1. Harm of fake ultrasonic scaler handpieces.

- 1.1 Fake handpieces with poor-designed inner structure can lead to frequent power leakage, which may cause medical accidents.
- 1.2 Material used on fake handpieces don't pass biocompatible test, which can easily lead to irritability and poisoning.
- 1.3 Fake handpieces have quality problems of overheating, non-vibration and cracking, which cause ultrasonic scalars out of order.
- 1.4 Fake handpieces can't be compatible with ultrasonic scalars, thus leading to circuit burn out.

2. Harm of fake scaler tips.

- 2.1 Fake tips are low in toughness, poor in resistance and easy to crack, thus easily cause medical accident.
- 2.2 Fake tips' screw threads are roughly processed, which can cause handpiece's screw loosening and cracking.
- 2.3 Material used on fake tips is inferior and easily rusting, which can cause infection of patient.
- 2.4 Fake tips have problem of poor water-spraying, bad screw-thread fit and water leaking, which leads ultrasonic scalars work wrongly.

3. Harm of fake curing light.

- 3.1 Fake curing light's batteries can cause self-ignite, even explosion with poor-quality material and no complete charging management
- 3.2 Light intensity of fake curing light is not constant, when battery level goes down under 60%, it would lead to incomplete solidification of resin, causing secondary dental caries.

CONTENTS

WOODPECKER	New Arrivals	1-10
i-Scan K-Po Ai-Pex		1-6
i-Sensor Smart A		7-8
Ai-Motor Endo 1		9-10
WOODPECKER	Air Polishing System	11-18
PT-A Dental Scaler and Air Polisher		11-18
WOODPECKER	Ultrasonic Scaler	19-29
U600		19-20
UDS-E LED UDS-K LED UDS-J UDS-P LED		21-24
UDS-B UDS-J2 LED UDS-A LED		25
UDS-L LED UDS-N3 LED UDS-N1		26
UDS-N2 LED N6 U6 Built-in Scaler Tip advantages		27-29
WOODPECKER	Apex Locator	30-32
WOODPEX V		30-32
WOODPECKER	Endo Motor	33-42
Ai-Motor Endo Radar Plus		33-36
Motopex EndoMatic Endo smart+		37-40
WOODPECKER	Obturation System	41-42
Fi-P Fi-G		41-42
WOODPECKER	Curing Light	43-52
O-STAR X-Cure ILED.PLUS		43-47
B-Cure LED.F PLUS		48
LED.B LED.D LED.C LED.H		49-50
LED.G LED.Q MINI S LED.H ORTHO		51-52
WOODPECKER	Laser	53-54
LX 16 PLUS LX 16		53-54
WOODPECKER	Dental Implant Unit	55-56
Implanter		55-56
WOODPECKER	Electric Motor	57-58
MT2		57-58
WOODPECKER	Piezo Bone Surgery	59-62
Surgic Touch US-II LED Ultrasurgery		59-62
WOODPECKER	Tips	63-72
Comparison of Scaler Tips		63-64
Function of Scaler Tips		64-72
Spare Parts		73-76

New Arrivals

Air Polishing System

Ultrasonic Scaler

Apex Locator

Endo Motor

Obturation System

Curing light

Laser

Tips

Piezo Bone Surgery

Electric motor

Dental implant Unit

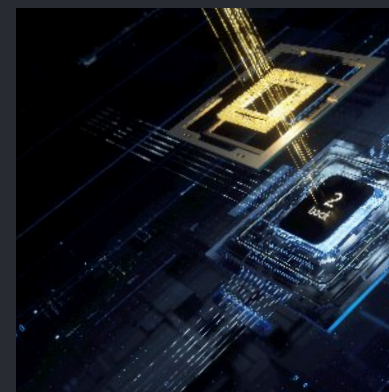
i-Scan

Wireless Image Plate Scanner



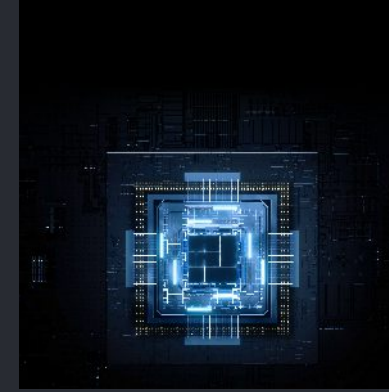
Powerful processing capability

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.



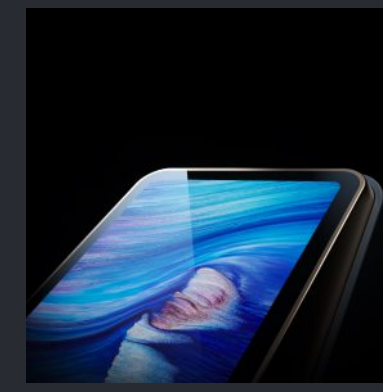
Powerful algorithm

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

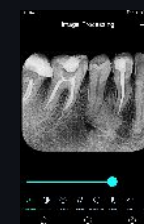


Super screen

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.



Ultra-thin and flexible plate

Imported ultra-thin imaging plate can be reused more than 1000 times. The imaging plate is only 0.4mm in thickness, softer than conventional films. A total of 4 size (0-3) intraoral imaging plates can be used on i-Scan, allowing the photographing of various tooth positions.



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



K-Po

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

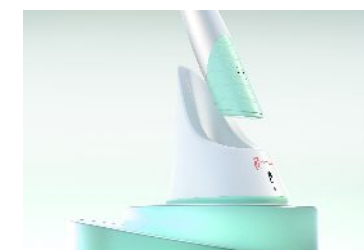
Wireless handpiece
Dual-control design
Cost-effective
Large-capacity lithium battery



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



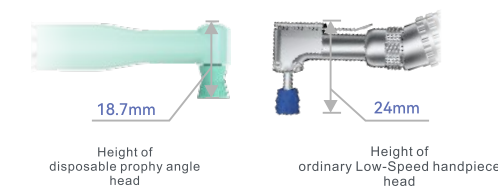
Handpiece Control
Button control, Stable speed
6 gears optional:
500rpm 1000rpm 1500rpm
2000rpm 3000rpm 4000rpm

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



Ai-Pex



THE MAIN TECHNICAL SPECIFICATIONS

Working time: 5h20min

Charging time: 3h

Battery: 3.7V/2000mAh

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

Consumption power: ≤0.5W

Screen: 3.8-inch LCD screen

File clip×4 (Coated with biological silica gel)

Lip hook×5 (Made of medical-grade stainless steel)

Apex locator probe×2

Pulp vitality probe×2

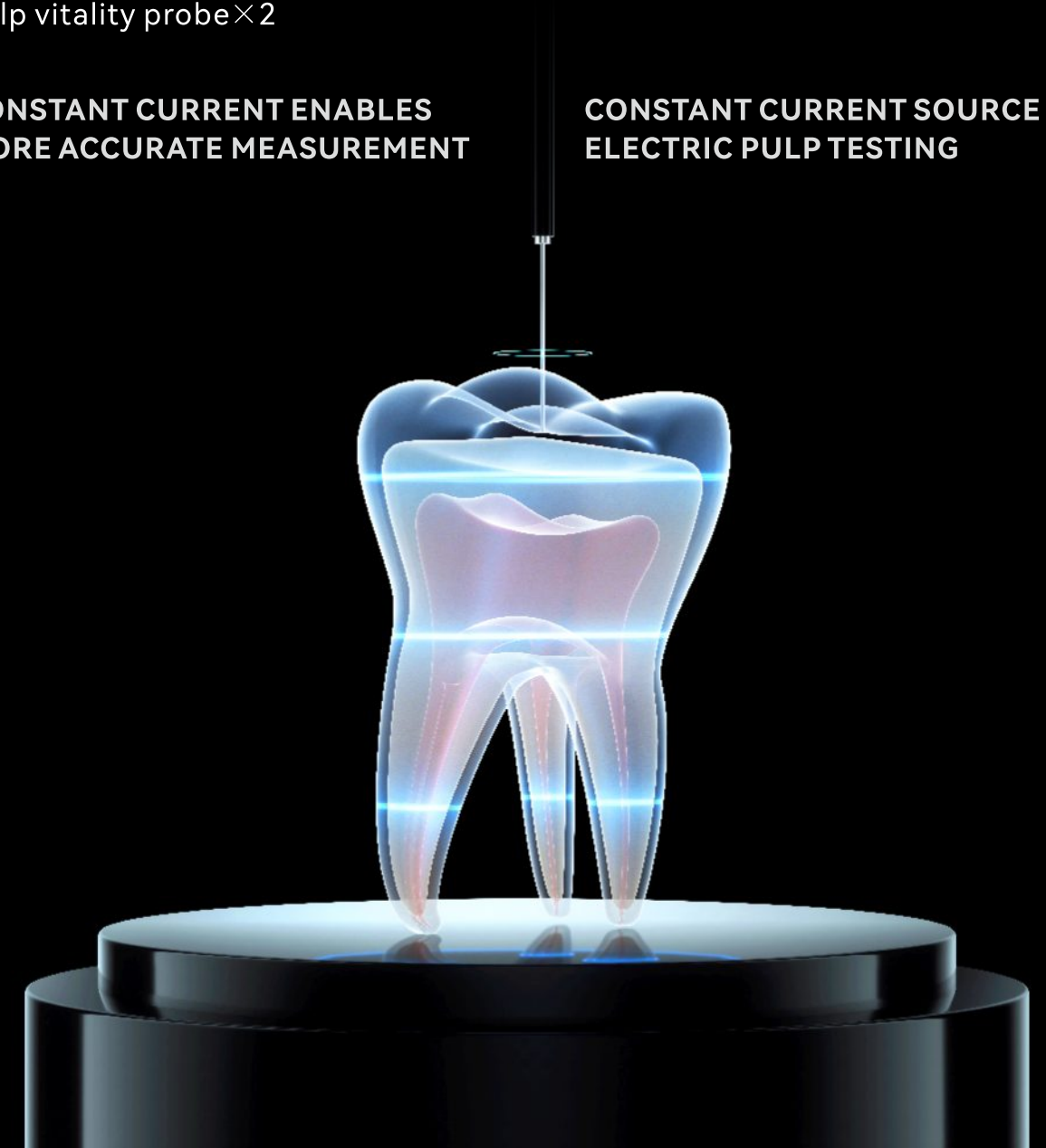
**CONSTANT CURRENT ENABLES
MORE ACCURATE MEASUREMENT**

OPERATION CONDITION

Environment temperature: +5°C~+40°C

Relative humidity: 30%~75%

Atmosphere pressure: 70kPa~106kPa



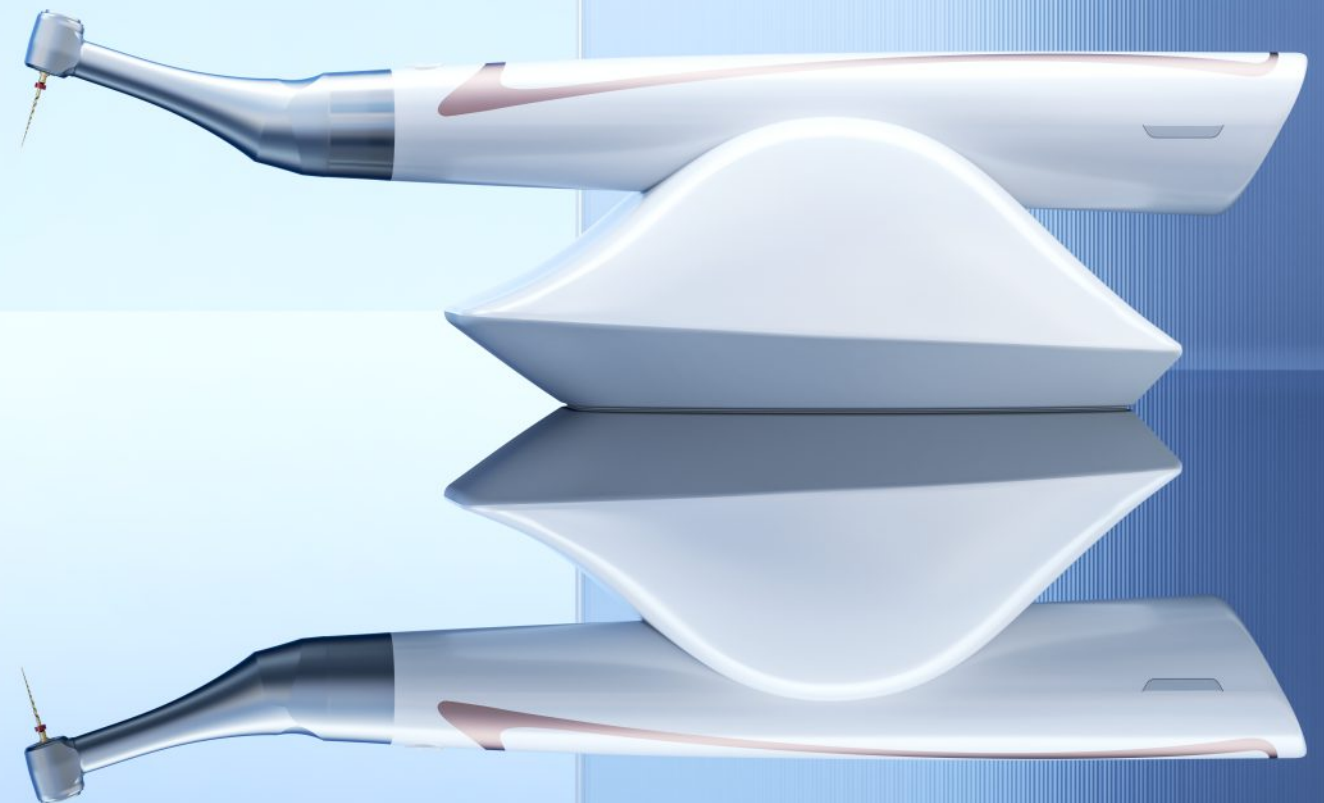
i-Sensor

Clearer & More durable



Type	i-Sensor H1	i-Sensor H2
Mechanical Size	25.0*36.8*4.4	30.4*41.9*4.4
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	36*36
AD Conversion(bit)	16	16
Data Interface	USB 2.0	USB 2.0
Protection	IP68	IP68

Smart A



Ai-Motor

Woodpecker Brushless Endo Motor

REDSIGNED 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



Yoshi Terauchi

Endo 1

Ultrasonic Endo Activator

Autoclavable
handpiece head

Detachable handpiece head

Can be autoclaved under high
temperature of 134°C and high
pressure of 0.22Mpa

Prevent cross infection
and enable safer treatment



E93 (Anti-breakage)

Unique root breakpoint
design enables safer
separation of devices



E96 (Bendable)

Can be pre-bent slightly
according to the root canal
shape



E98 (High-power)

The super ultrasonic
conduction effect of
Ni-Ti makes the irrigation
effect stronger

PT-ATM Dental Scaler and Air Polisher

35 National Patents 5 Invention Patents

Air polishing+ Ultrasonic periodontal treatment +

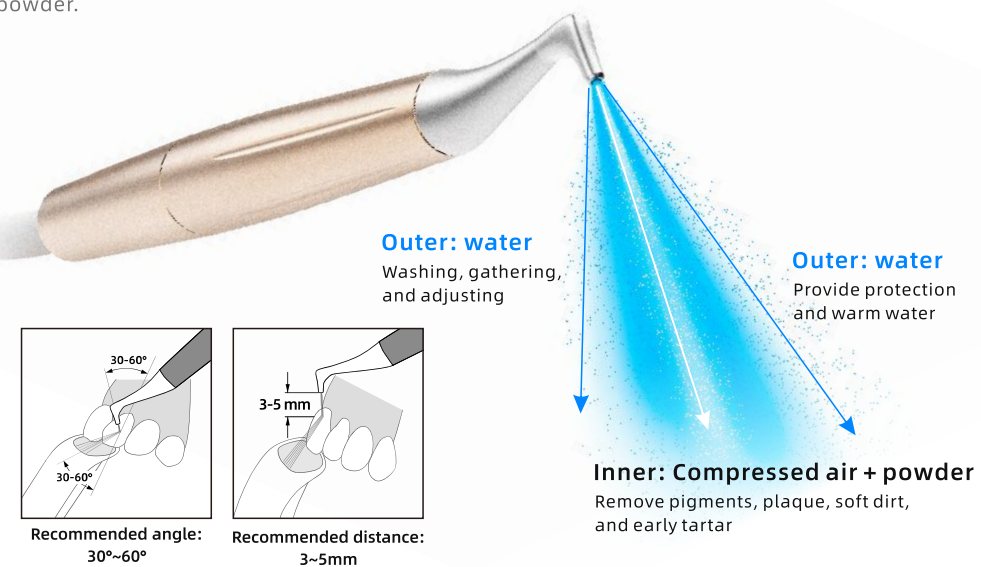
Endodontic treatment + Implant maintenance

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.



FAST 65µm sodium bicarbonate supragingival powder

Used for rapid removal of stubborn pigment, soft dirt and biofilm on the adult gingival



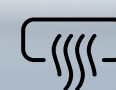
GENTLE MINI 25µm glycine subgingival powder

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.

Modern scaling solutions Realize both supragingival and subgingival scaling



Small-caliber nozzle,
more concentrated air
polishing



Anti-blocking system
reduces blocking



Air polishing + Perio + Endo +
Implant maintenance



Large screen smart touch control



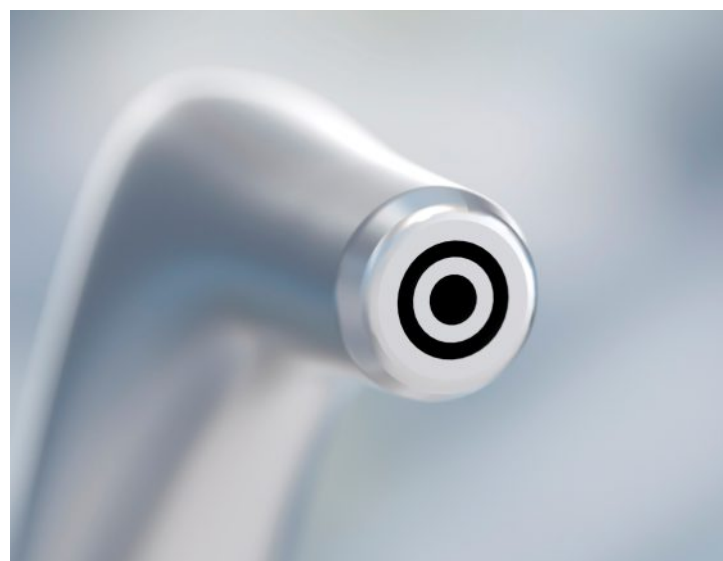
Small-caliber nozzle



Automatic identification of scaling mode



Multi-function foot pedal



PT 3 main specifications:

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

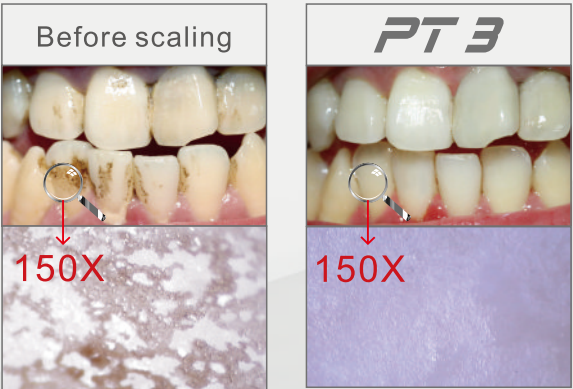
PAINLESS PERIODONTAL TREATMENT DEVICE

Treatment effect:



Implant maintenance P90

Implant cleaning and maintenance



PT 5 main specifications:

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



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 (E51 E52)

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

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

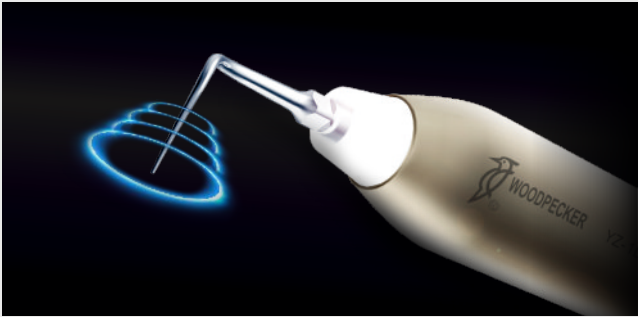
Looking for root canal orifice (E12D)

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

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

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.

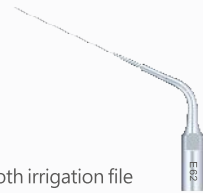
E60

One-piece irrigation K-file



E62

One-piece smooth irrigation file



E3

Using ultrasonic melt to press gutta-percha for lateral pressure, used in E mode without water.



E3D

Diamond-coated(40µm) instrument for removing calcification and bad filling material in root canal, used in E mode.



E6

Special material

Thin and flexible, used for removing foreign body in deep cannal.



E7

Special material

Thin and flexible, used for removing foreign body in 1/3 cannal.



P4D

Diamond coated(40µm), used to remove the calcification in the coronal third of the root canal and used in E mode.



P50L

Used for subgingival scaling, periodontal pocket probing and root planing

Applicable areas: labial proximal surface of upper front teeth, lingual proximal surface of upper front teeth, buccal interproximal in B quadrant, and lingual interproximal in C quadrant



P50R

Used for subgingival scaling, periodontal pocket probing and root planing

Applicable areas: labial proximal surface of upper front teeth, lingual proximal surface of upper front teeth, lingual interproxima in B quadrant



P52

Used for subgingival scaling, periodontal pocket probing and root planing

Applicable areas: lingual and lip side of front teeth and lower front teeth, buccal side in A quadrant and maxillofacial side in B quadrant



P53L

Used for subgingival scaling, periodontal pocket probing and root planing

Applicable areas: labial proximal surface of upper front teeth, lingual proximal surface of upper front teeth, buccal interproximal in B quadrant, and lingual interproximal in C quadrant



P53R

Used for subgingival scaling, periodontal pocket probing and root planing

Applicable areas: labial proximal surface of upper front teeth, lingual proximal surface of upper front teeth, lingual interproximal in B quadrant



P56

Use for removing big calculus, no hurt to gum when scaling in the gingival margin

Applicable areas: lingual and lip side of Front teeth and lower front teeth, buccal side in A quadrant and maxillofacial side in B quadrant



P59

Use for subgingival scaling, periodontal pocket probing and root planing

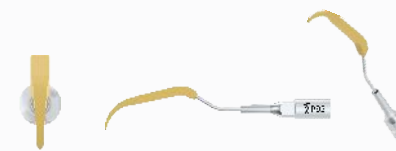
Applicable areas: lingual and lip side of front teeth and lower front teeth, buccal side in A quadrant and maxillofacial side in B quadrant



P95

Implant cleaning and maintenance

During operation, ensure that water reaches tip end, and the power level should be lower than level 7, or the tip is easy to break.

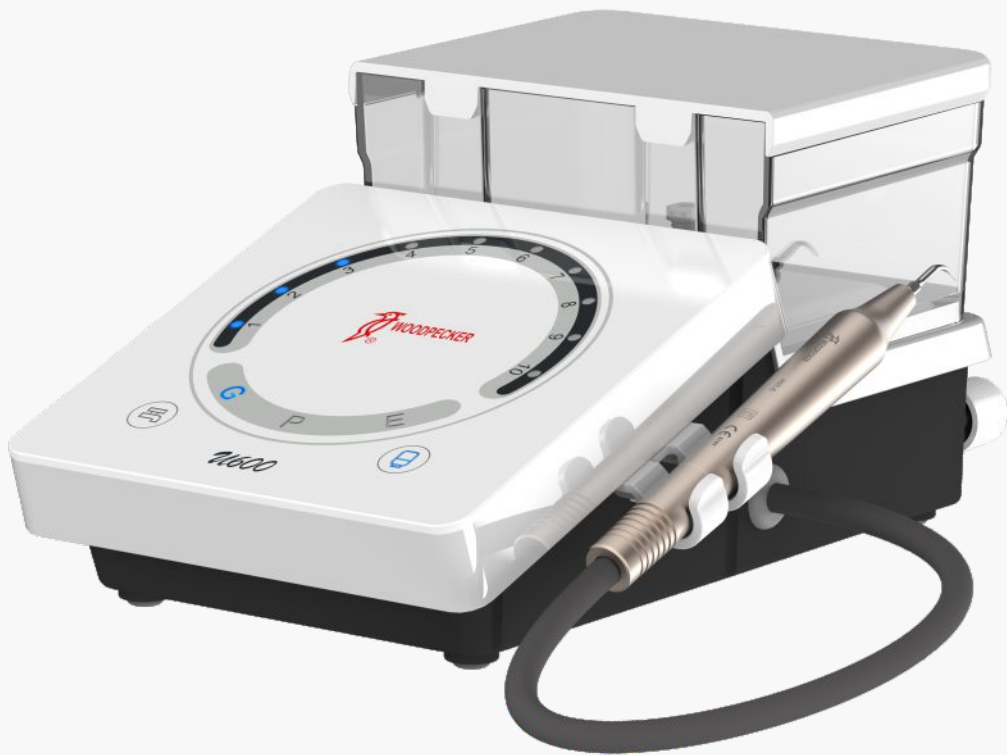


SPOILING YOU SO MUCH !



U600 Ultrasonic Scaler

Intelligent power output Experience painless treatment



Supragingival scaling



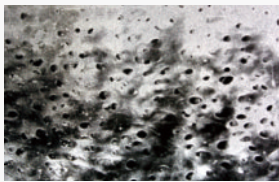
Subgingival scaling



Endodontic irrigation



Endodontic irrigation



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

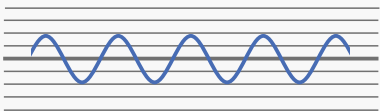
Root canal irrigation is the most widely used clinical support methods. Its purpose is to remove the substance inside root canal, dissolve diseased tissue, remove pathogenic microorganisms, and remove smear layer. Lubricate the root canal internal wall. During root canal preparation process, prevent 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.

Sine wave drive

Avoid pain caused by power surge; ensuring comfortable treatment.

U600 Mild power output



Intelligent touching system

Clear control panel

Ultra-sensitive

Waterproof design



Automatic water supply system

Easy to change water, eliminating redundant steps

Hydrogen peroxide, sodium hypochlorite, and chlorhexidine is available

Clear 50ml scale mark makes it convenient for formulating liquid



Detachable handpiece with light

Detachable handpiece with light

Detachable handpiece with light enables better visibility

and adopts new sealing technique, bringing patients comfortable scaling.

U600 Ultrasonic Scaler is equipped with various shapes of tips, including slender tip which is specially used to perform subgingival scaling. Operators can choose tip according to the size and position of dental calculus. While tip starts to vibrating, the water spraying system should spray water to tip to form water spray at the same time.

On the one hand, it can cool the tip. On the other hand, it will help form cavitation effect, that is, subtle vacuum bubble quickly collapses and produces energy to scour the calculus, plaque and the broken tartar and blood.

High-quality handpiece

Aluminum shell can be autoclaved, causing no cracking or deformation

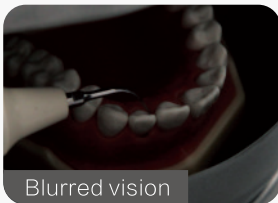
Advanced handpiece sealing technique enables long durability

User-friendly design brings better holding feeling



Clear vision

U600 LED with light



Blurred vision

Without light

> Standard configuration tips

G4 G12 P1 P3
P8 E62 E60

> High configuration tips (two in each tip below)

G4 G12 P1 P3
P8 E62 E60

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

E60

One-piece irrigation K-file



E62

One-piece smooth irrigation file



E3

Using ultrasonic melt to press gutta-percha for lateral pressure, used in E mode without water.



E6

SPECIAL MATERIAL

Thin and flexible, used for removing foreign body in deep canal.



E7

SPECIAL MATERIAL

Thin and flexible, used for removing foreign body in 1/3 canal.



E3D

Diamond-coated(40μm) instrument for removing calcification and bad filling material in root canal.



P4D

Diamond coated(40μm), used for removing the calcification in the coronal third of the root canal and used in E mode.



G4

The Universal gingival tip for removing Supragingival calculus and plaque .



G5

Used for supragingival scaling with smooth vibration and low noise



G6

Used for removing supragingival calculus and plaque chunks, can use directly tip in small power, with a smooth vibration and low noise characteristics.



G30

Diamond-coated(40μm) ,used for preparation between pits and fissures.



G31

Diamond-coated(40μm), used for preparation of mesiooclusion cavity and does not damage adjacent teeth.



G32

Diamond-coated(40μm), used for preparation of distal mesial cavity and does not damage adjacent teeth.



G33

Diamond-coated(40μm),used for preparation to dental veneer.



SB2

Diamond-coated(40μm), used with G31. After the mesiooclusion cavity is completed with G31 , used for the cavity inside and outside which is hard to reach the outer area of preparation and polishing.



SB3

Diamond-coated(40μm), used with G32. After the distal mesial cavity is completed with G32 , used for the cavity inside and outside which is hard to reach the outer area of preparation and polishing.



P1

The universal subgingival tip for periodontal pocket within 4mm and adjacent surface scaling.



P3

Diamond-coated(40μm), used with G32. After the distal mesial cavity is completed with G32 , used for the cavity inside and outside which hard to reach the outer area of preparation and polishing.



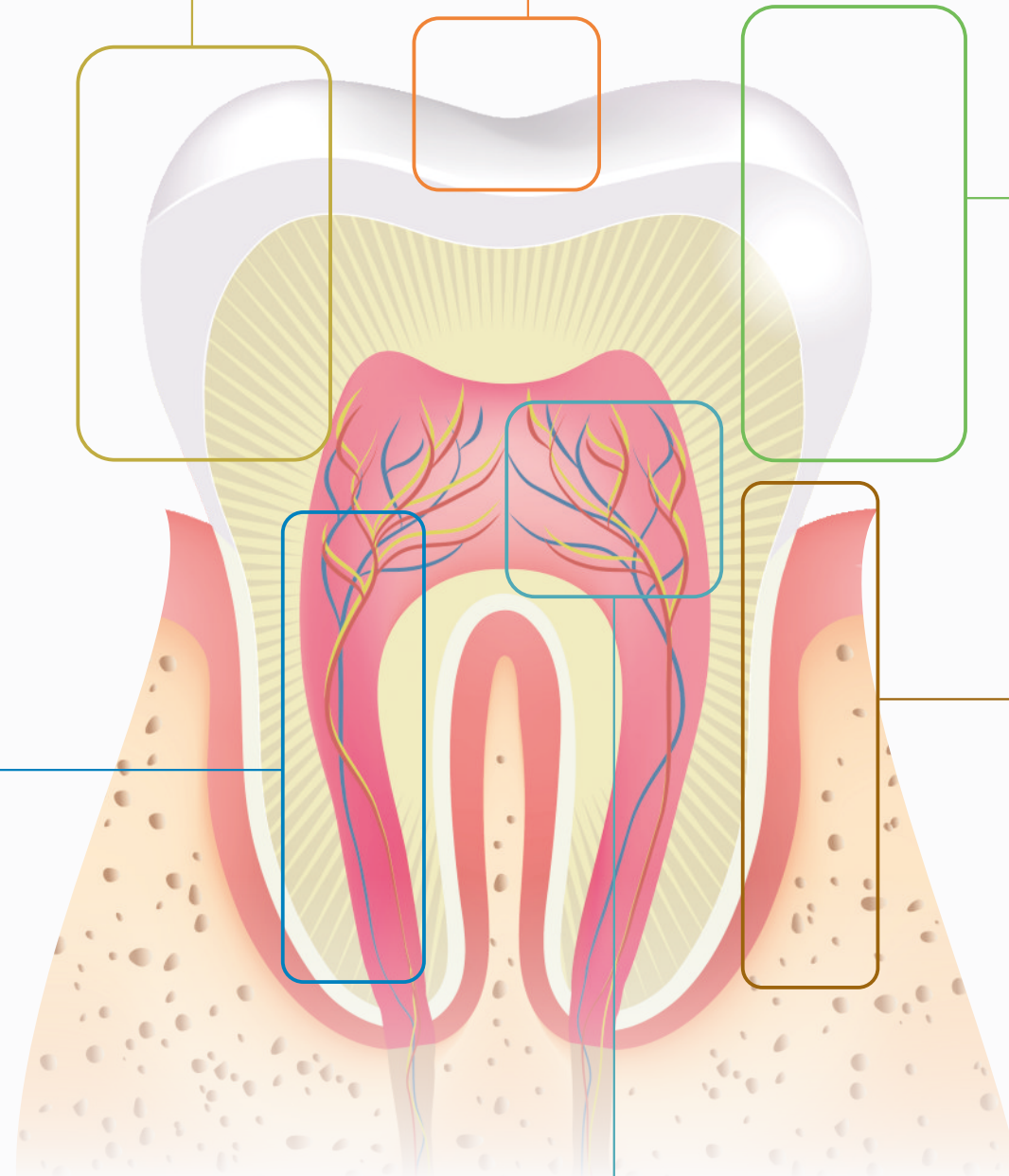
P4

Efficient removal of subgingival calculus within 2mm



P3D

Diamond-coated(40μm), used for expanding furcation and root surface polishing in flap surgery .



UDS-E LED

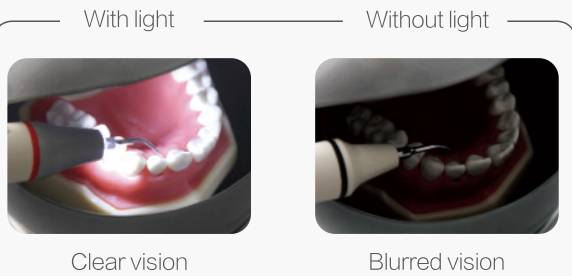
- Scaling
- Perio
- Endo
- Handpiece with LED
- Auto-water supply

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.

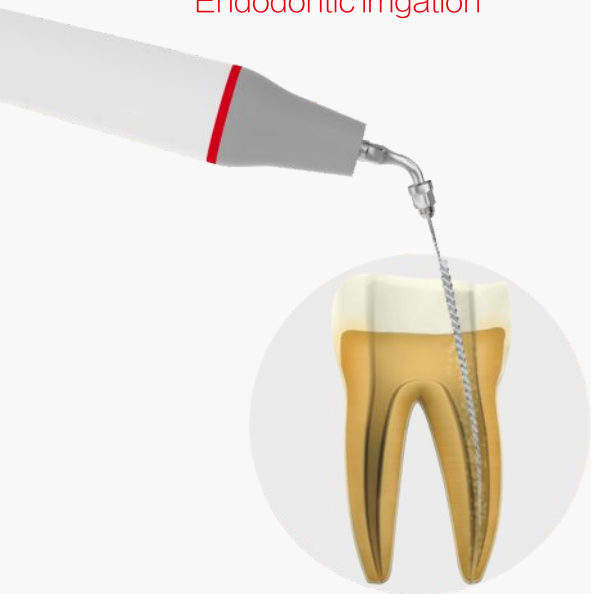
Detachable handpiece enables better visibility and adopts new sealing technique, bringing patients comfortable scaling.

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-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



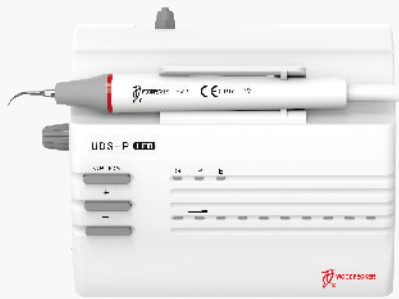
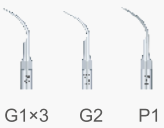
UDS-J

- 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



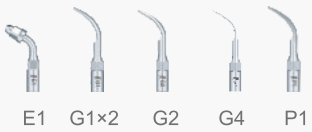
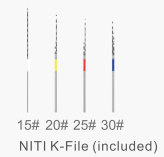
UDS-P LED

- 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



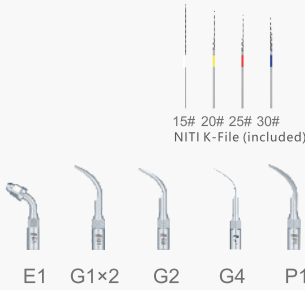
Sealed handpiece
Automatic degenerative feedback and constant power output brings rather comfortable scaling.
Voltage input: ~220V 50HZ
Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
Main unit input: ~24V 50HZ 1.3A
Main unit weight: 0.62kg
Output power: 38VA
Transformer weight: 1.0kg
Frequency: 30kHz ± 3KHz
Dimensions: 192mmX128mmX78mm



UDS-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

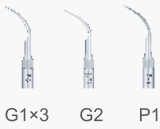


UDS-J2 LED

- 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-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



UDS-N3 LED

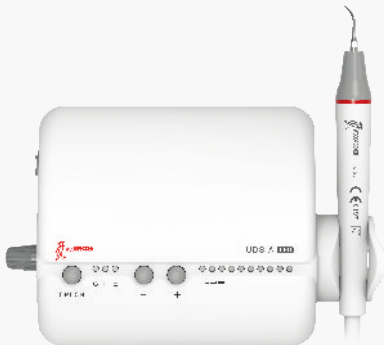
Match detachable handpiece HW-5L

UDS-N3

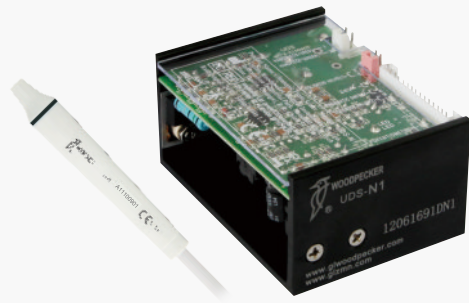
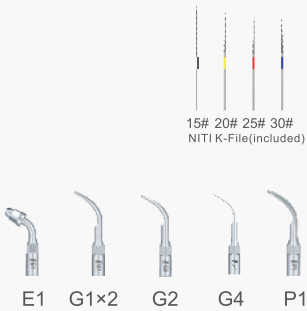
Match detachable handpiece HW - 3H

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



UDS-N1

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

U6

New Era for Scaling

Expert in comfortable scaling

Comfortable Scaling

Integrate supragingival scaling, subgingival scaling,
and endodontic treatment into a whole

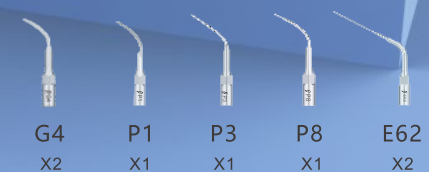
Microcomputer control and automatic frequency
tracking enable more stable performance

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+ 3KHZ
Main unit weight: 650g
Dimensions: 197mmx174mmx74mm



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

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

Match detachable handpiece HW-5L

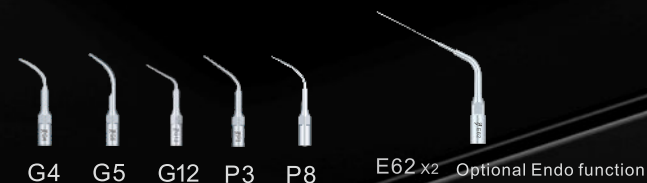
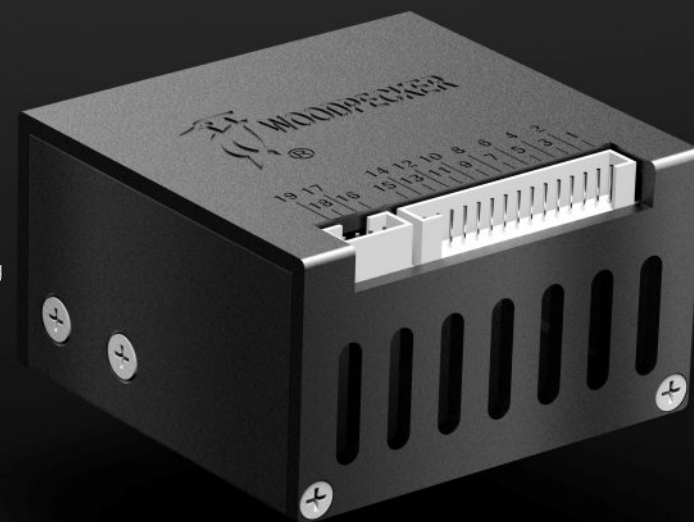
UDS-N2

Match detachable handpiece HW - 3H

N6 Comfortable Teeth Scaling

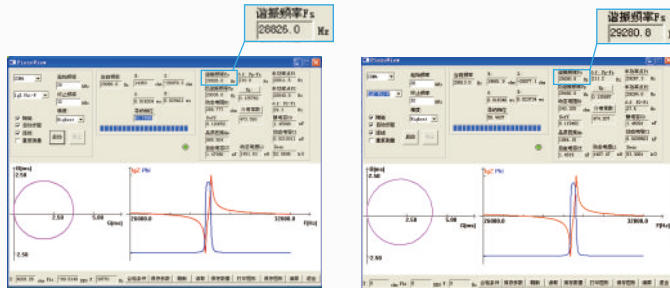
Supragingival & Subgingival scaling
Optional Endo function
Detachable metal handpiece prevents crack
Microcomputer control, automatic frequency tracking
30% smaller than the volume of N2,
occupying less space of tray in dental chair

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



Compatibility of tip

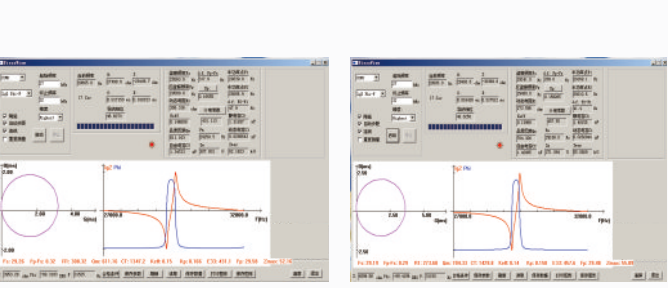
The working frequency range of Swiss E brand: < 32000Hz



Woodpecker tip can perfectly match E brand scaler

Compatibility of handpiece

Woodpecker: Resonant frequency 29.263KHz E brand: Resonant frequency 29.263KHz

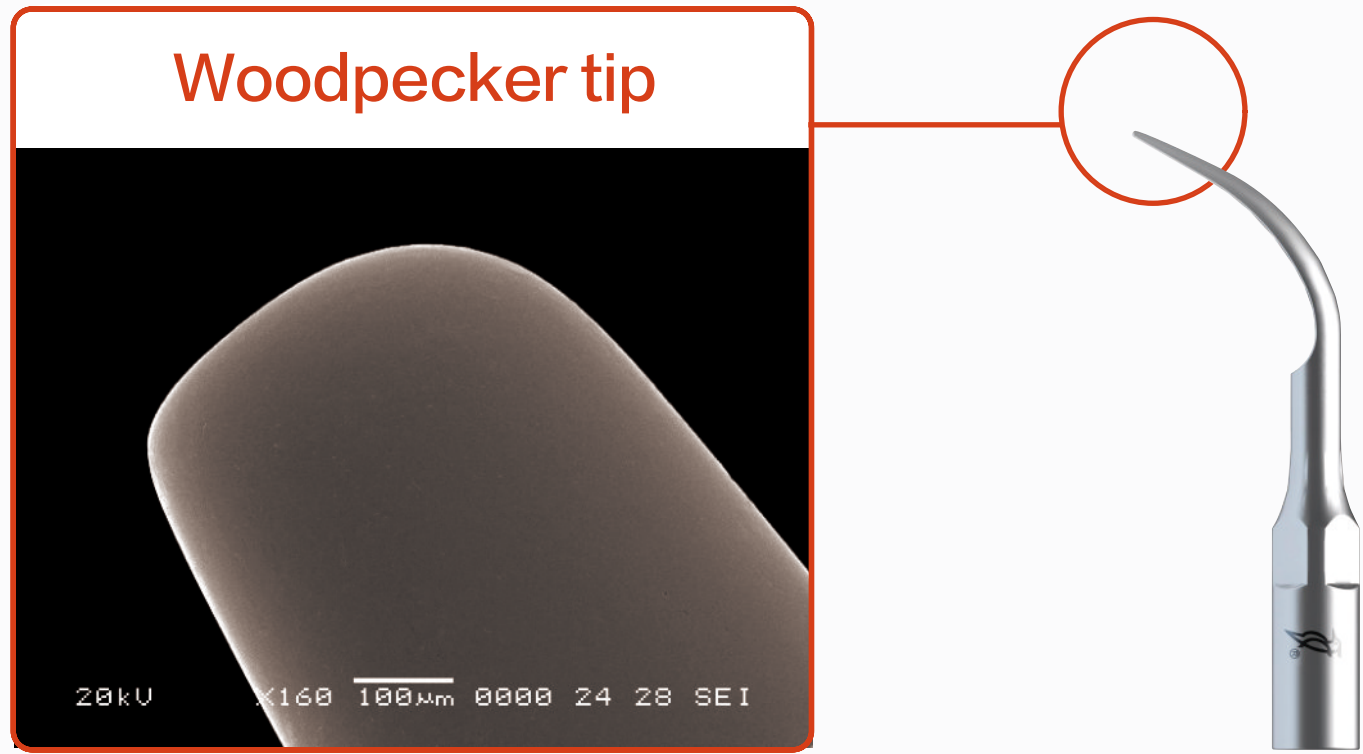


Technical data of Woodpecker handpiece is the same as that of E brand.
Handpiece of both brands can be exchanged.

Smooth tip does no harm to teeth.

Select high-quality medical material which is durable and wear-resistant.
Adopt advanced laser drilling technology and experience 35 strict production processes as well as 5 inspections.

The picture shows the image of tips after a 160 times magnification.



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.



Endo Smart +

New Generation More than accurate

Woodpex V

More stable, stronger anti-interference ability

25 National Patents 8 Invention Patents



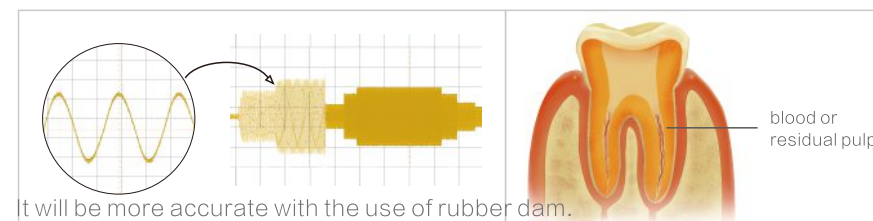
More than accurate



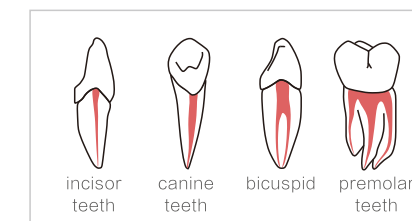
Newly upgraded algorithm makes it more stable and enables stronger anti-interference ability.



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



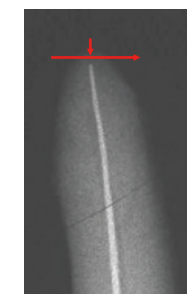
Measurement results will not be affected by the tooth type.



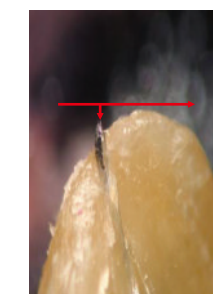
The defect of traditional measurement method

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

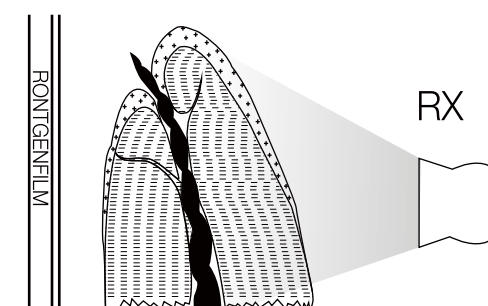


Actually it is over-filling

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

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°

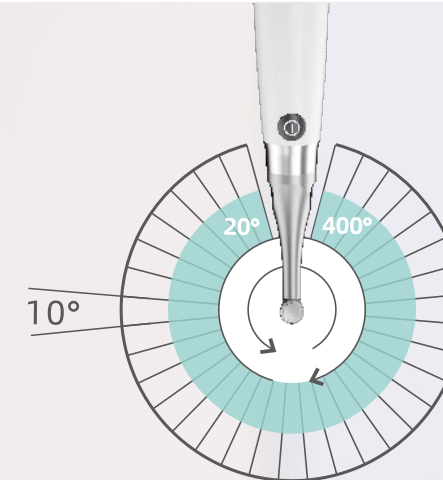


High performance brushless motor

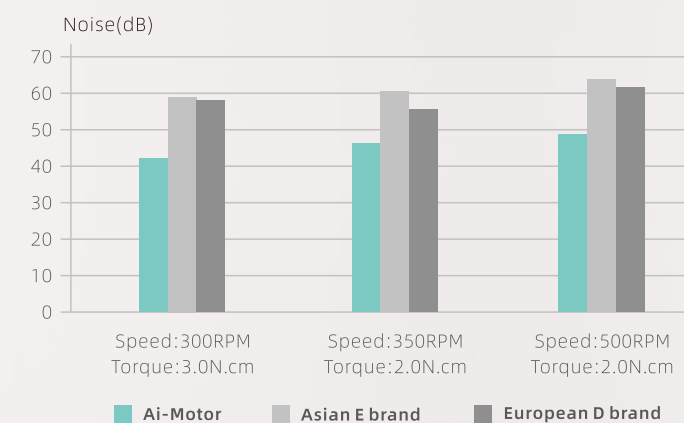
Adjustable reciprocating angle

(10° interval; adjustment range: 20°- 400°);

Accurate rotating angle reduces risk of instrument fracture and enables higher preparing efficiency.



Smooth rotation and lower noise make treatment more endurable for patients.



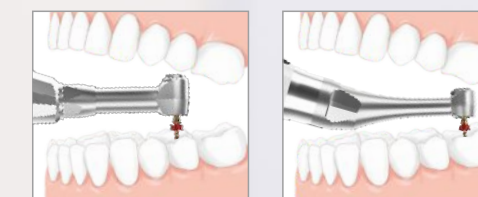
Super Mini Contra-angle

Super mini head,

with a diameter of 8mm

and a height of 9.7mm, brings

clear vision during operation.

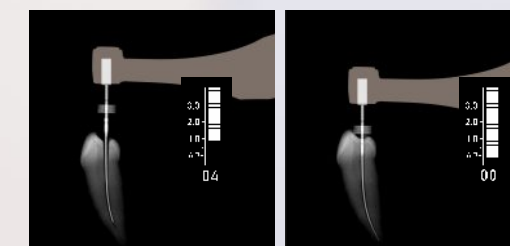


Normal contra angle head & neck

Woodpecker contra angle Super Mini head & slim neck

Built-in Apex locator

Integrated length determination makes endodontic treatment safer and more efficient. Realize real-time display of file location in canal. Automatically stops or reversely rotates as soon as the file reaches the apical stop, so as to prevent perforation. Auto Start and Auto Stop functions respectively enable motor to automatically start while the file gets in canal and stop when it is out.



Service life of motor:
Brushless Endo Motor=Brush Endo Motor ×10

>30

Built-in over 30 mainstream file system

Front center-of-gravity

6:1

6:1 Contra-angle



2000mAh Lithium battery

360°

360° rotatable contra-angle



2000mAh Lithium battery

Endo Radar PLUS

New generation desk-type Brushless Endo Motor
Bring you a new experience in root canal treatment



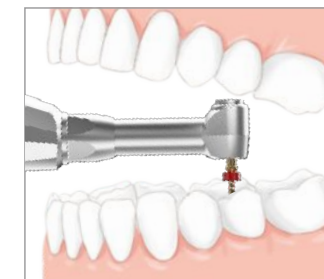
Speed range : 100-1200 RPM
Torque range : 0.4-5.0N.cm
Reciprocating angle
adjustment range : 20°-400°

6:1 Super mini contra-angle

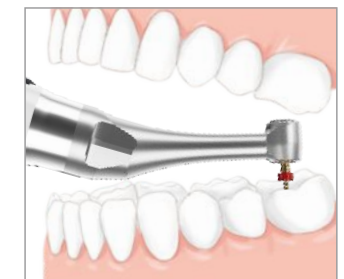
Outcome of craftsmanship



Super mini contra-angle allows clearer operation field



Normal Contra angle head & neck



Woodpecker Contra angle
Super Mini head & Slim neck



Full touch button design, HD LCD display

Touchable intelligent panel is smooth and easy to clean.

The panel can be illuminated, thus the buttons are easy to identify. Clear display offers simple and clear information feedback.

Wireless connection

Use wireless signal to control the handpiece, realizing flexible operation without restraint of tail cord. Light and small handpiece makes holding comfortable.

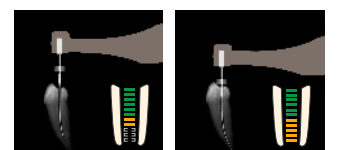
Wireless charging Long time of endurance

Adopt wireless charging design for handpiece. Put the handpiece on the main unit for charging. Built-in 2000mAh large capacity rechargeable lithium battery, One charge for longtime operation.



Built-in Apex locator

Integrated length determination makes endodontic treatment safer and more efficient. Realize real-time display of file location in canal. Automatically stops or reversely rotates as soon as the file reaches the apical stop, so as to prevent perforation. Auto Start and Auto Stop functions respectively enable motor to automatically start while the file gets in canal and stop when it is out.



1st Brushless ENDO MOTOR

MotoPex

Super mini head & Slim neck

Stronger power

Precise rotation

Lower noise

Balanced Weight



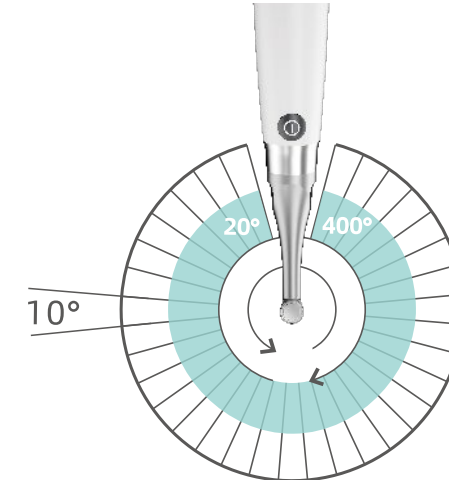
Speed range : 100-1200 RPM
Torque range : 0.4-5.0N.cm
Reciprocating angle
adjustment range : 20°-400°

High performance brushless motor

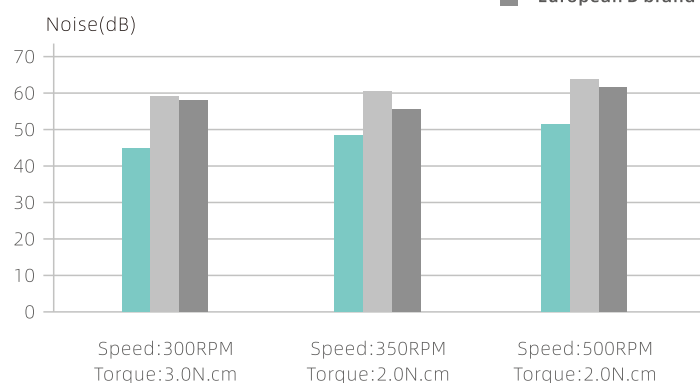
Adjustable reciprocating angle

(10° interval; adjustment range: 20°- 400°);

Accurate rotating angle reduces risk of instrument fracture and enables higher preparing efficiency.



Smooth rotation and lower noise make treatment more endurable for patients.



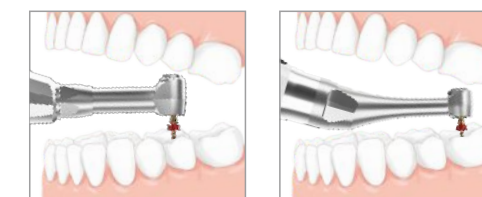
Super Mini Contra-angle

Super mini head,

with a diameter of 8mm

and a height of 9.7mm, brings

clear vision during operation.

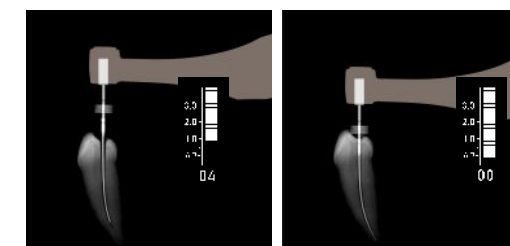


Normal contra angle head & neck

Woodpecker contra angle Super Mini head & Slim neck

Built-in Apex locator

Integrated length determination makes endodontic treatment safer and more efficient. Realize real-time display of file location in canal. Automatically stops or reversely rotates as soon as the file reaches the apical stop, so as to prevent perforation. Auto Start and Auto Stop functions respectively enable motor to automatically start while the file gets in canal and stop when it is out.



Service life of motor:
Brushless Endo Motor = Brush Endo Motor × 10



Built-in over 30 mainstream file system



Front center-of-gravity



6:1 Contra-angle



2000mAh Lithium battery



360° rotatable contra-angle

ENDOMATIC

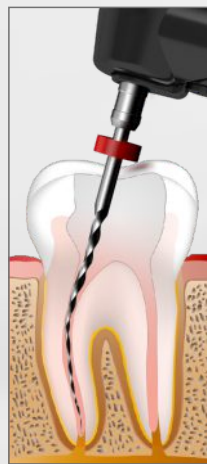
Cordless Endo Motor with
combined length determination

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



Endo Smart +

New generation **Brushless Endo Motor**
Bring 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 : 100-1000 RPM
Torque range : 0.4-5.0N.cm
Reciprocating angle
adjustment range : 20°-400°



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

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.



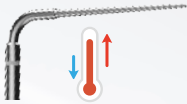
4 hours of endurance

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.



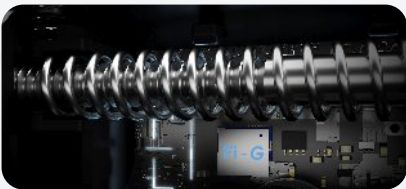
0.5mm injection needle

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



O-STAR

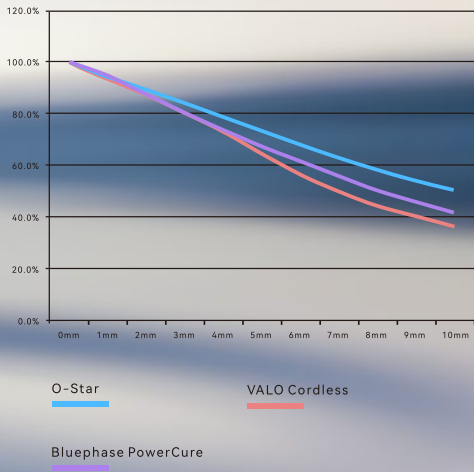
7 Modes in total

Unprecedented
Curing Light
incorporating
various strengths

Charging base with
built-in light meter



Less light loss



7 MODES TO FULLY MEET A VARIETY OF CLINICAL NEEDS

Normal Mode

Constant light intensity:
1000-1200mw/cm²
Suitable for most treatment scenarios,
such as fillings, restorations, etc.
Time setting: 5s, 10s, 15s, 20s

High Mode

Constant light intensity:
1800-2000 mw/cm²
Suitable for quick curing,
ensuring enough curing depth
Time setting: 3s, 5s

Turbo Mode

Time setting: 1s, 3s
2700-3000mw/cm²
Ultra-high light intensity enables
1 sec curing of 2mm resin.

Ortho Mode

Time setting: 3s*5, 3s*10
2700-3000mw/cm²
High light intensity with
strong penetrability,
especially suitable for
orthodontic bracket bonding

Soft Mode

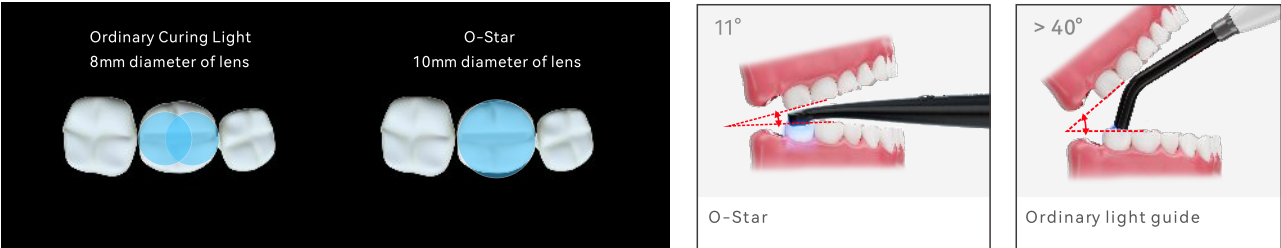
Light intensity is gradually increased
from 0 to 1200mw/cm²
Time setting: 5s, 10s, 15s, 20s
Effectively reduce the
shrinkage rate of resin;
Lower the risk of microleakage

Pulse Mode

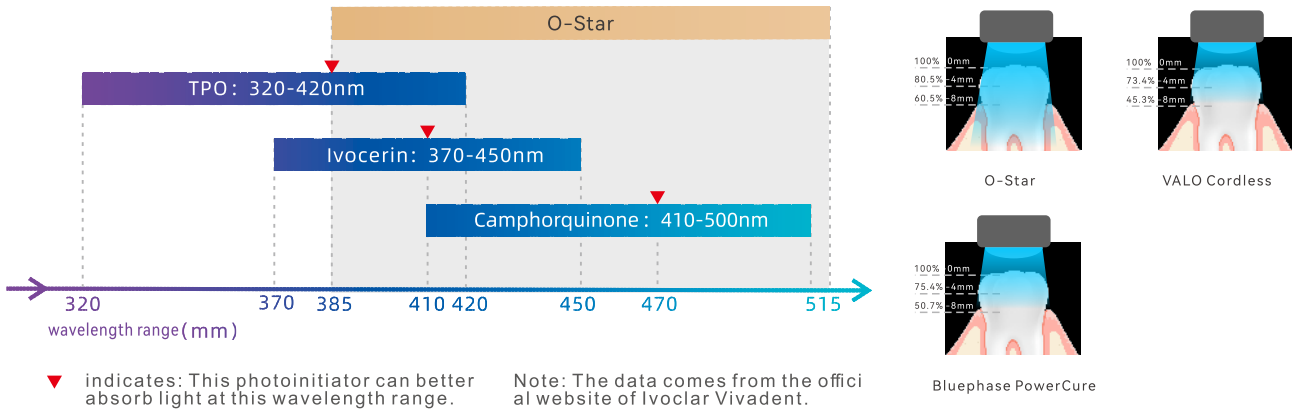
The LED will stop for 0.4s at an
interval of 0.6s curing.
When working in a cycle of treatment,
it can effectively reduce heat generation,
efficiently dissipate heat and ensure
the comfort of diagnosis and treatment.
Time setting: 5s, 10s, 15s, 20s

Check Mode

This mode outputs a single
purple light. When special glasses
are worn, the caries are
obviously orange-red.
Application: Detection of caries,
calculus and cracked tooth



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



Uniform beam, Strong penetrability

Curing distance (cm)	Light source	Light spot length (cm)	Light spot width (cm)	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°

Curing Expert

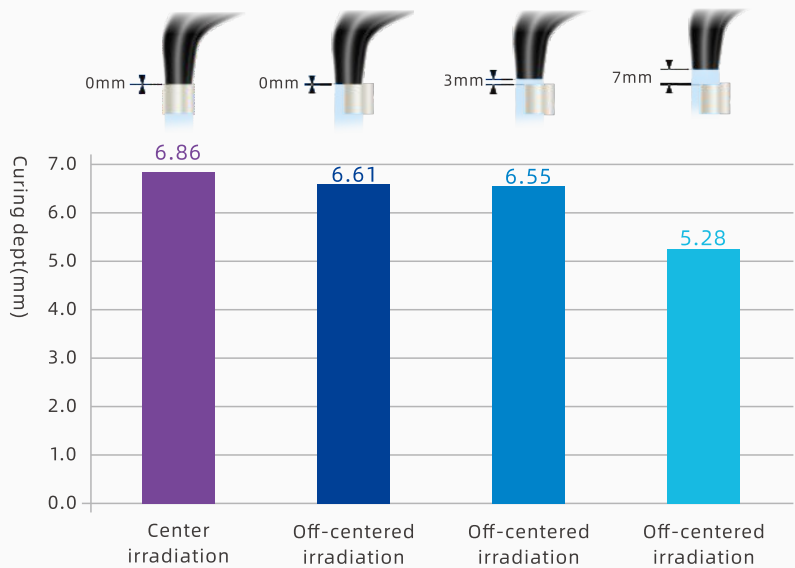
X-Cure



ONECURE™

Off-centered irradiation can also achieve good curing depth

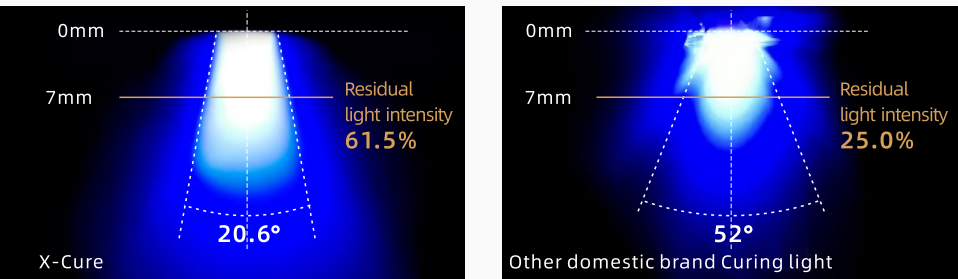
In the case of off-centered illumination, X-Cure also has excellent curing ability. Its curing depth can reach 5.28 mm even in the case of a center offset irradiation where is 7 mm away from the resin.



The resin used for the test was: 3M Filtek™ Bulk Fill Posterior Restorative, Shade A3
Curing time: 20 seconds

Note: The above test is an in vitro resin test.

Irradiation of X-Cure



Uniform light output, strong light penetration and a light emission angle of only 20.6°. The light emission angle of other brand Curing Light device is 52°. Light output of X-Cure is more focused and ensures a good deep curing. At 7mm away from the light source, the light intensity can reach 61.5%, but that of other domestic brands Curing Light device is only 25.0%.

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%

iled_{plus}

Wide spectrum High light intensity Focused light

1SEC FOR CURING

Bring you fresh experience

CONSTANT POWER OUTPUT

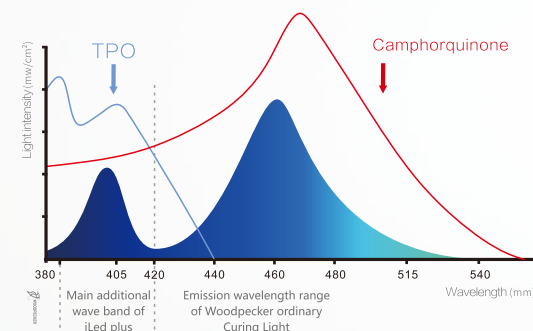
FLUID DESIGN

360° CURING

1 SEC. FOR CURING

Upgraded focused light output
Upgraded light intensity
Upgraded wide spectrum

iLed_{plus} Spectral Curve and Resin Spectral Absorptivity



B-cure

Broad-spectrum LED Curing Light

More human-friendly design

3 seconds for curing

Ortho mode



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



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/cm²-1600mW/cm²
Net weight 145g
Dimensions 260mm×31mm×31mm

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/cm²-1600mW/cm²
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/cm²-1200mW/cm²
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/cm²-1200mW/cm²
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.



Curing light

51

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

LED.Q (Built-in sealed)

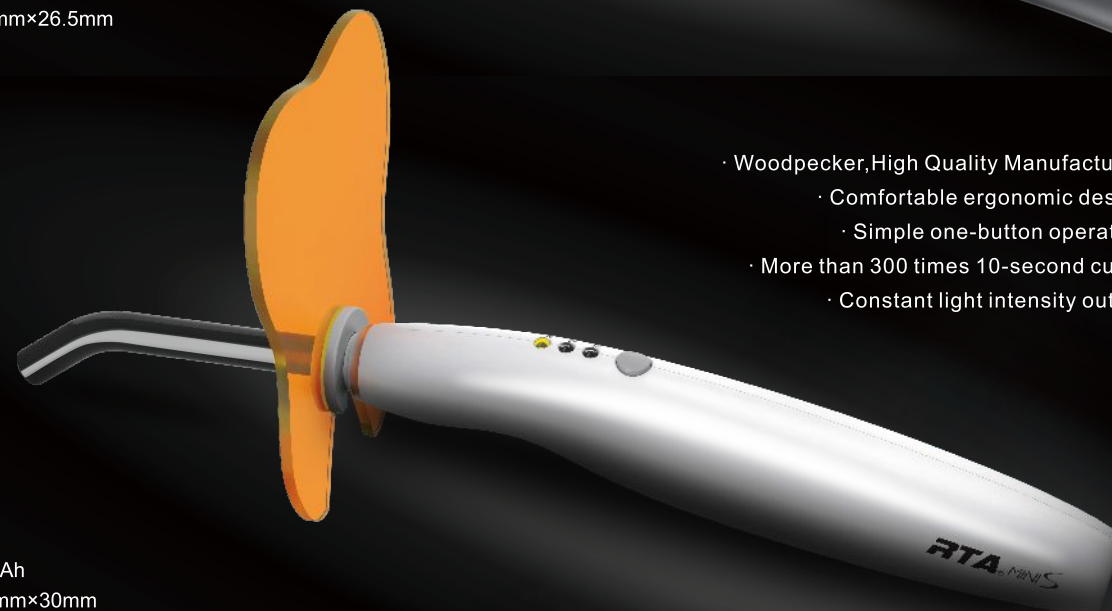
- Sealed, connect to dental unit.
- Time setting: 10s, 20s, 30s.
- Working mode: Full.



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

MINI S Curing light

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



Battery 3.7V/1400mAh
Dimensions 230mm×26mm×30mm
Power Input ~100V-240V 50Hz/60Hz
Power Output 4.2V 1A

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

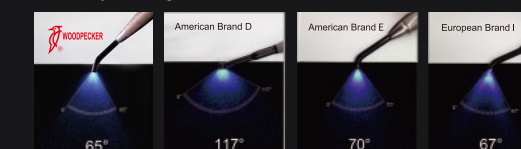


Woodpecker light hood is made of selected quality materials, rejecting Blue-ray injury.
Studies prove that Blue-ray will cause macular degeneration to retina and eyes.



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.gwoodpecker.com), click on video and watch Battery High Temperature Test.

Curing light

52

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)

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.

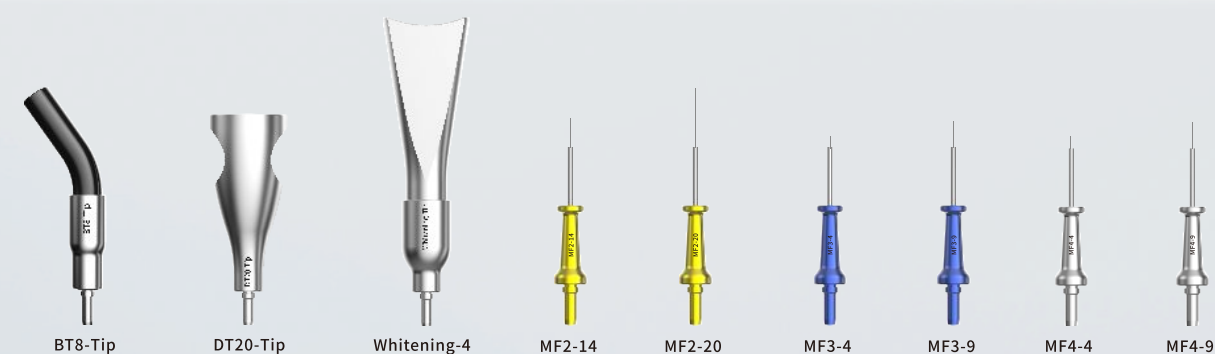
LX16

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)



All accessories available



Implanter

Swiss Motor

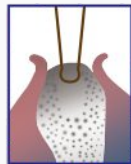
5.5Ncm motor torque can guarantee 80Ncm torque output

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.



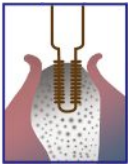
Round bur



Pilot drill



Reamer



Tapping drill



Implanting



Screw in
healing abutment



User-defined
mode



Irrigation mode

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



MT2

Woodpecker
Dental Electric Motor

Refined trimming
Faster tooth preparation
More powerful crown-splitting



Imported German bearing
Low vibration enables
more precise tooth preparation

Imported 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.



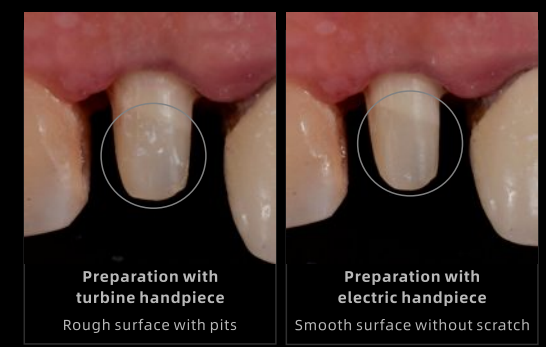
Four-hole water spray

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



One button control

More convenient and easier operation

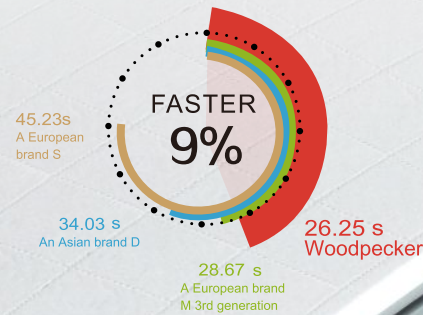


Minimally invasive repairing
precise teeth preparation

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

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.

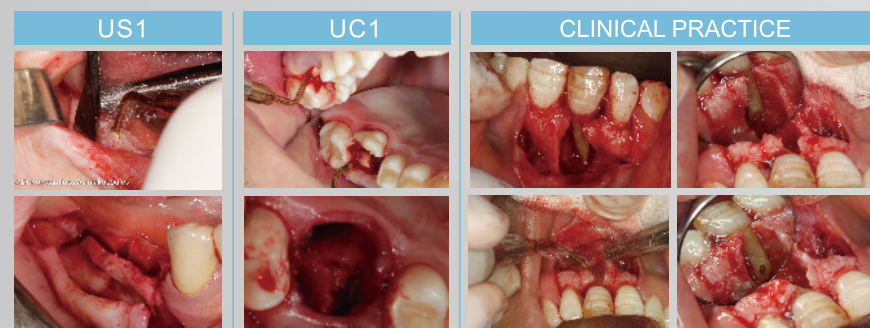
US-II LED

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

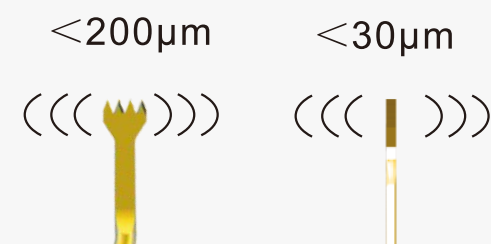
Power input	100 - 240V ~ 50Hz/60Hz 600mA (max)
Frequency	24kHz ~ 36kHz
Power output	5W ~ 35W
Main unit weight	3.1kg
Dimensions	330mm × 254mm × 167mm

Equipped with **x2**



UltraSurgery

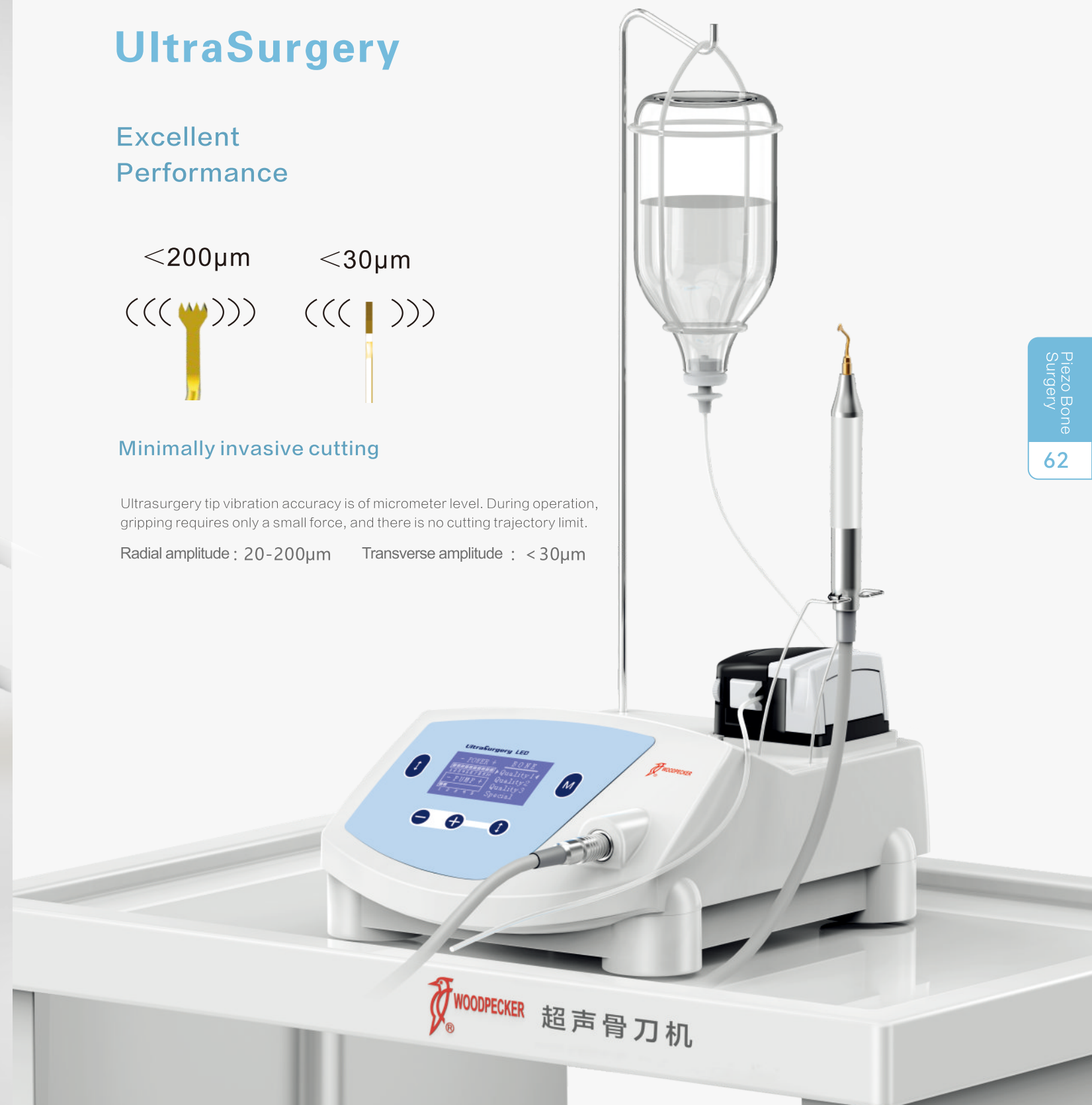
Excellent Performance



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.

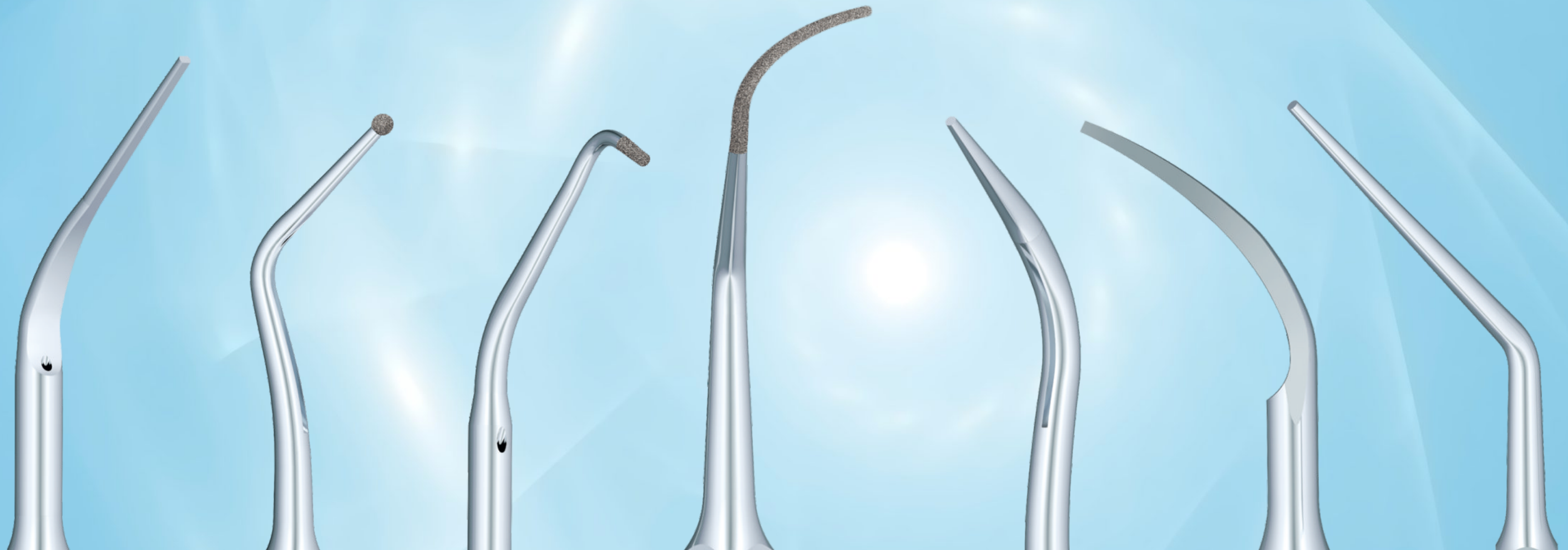
Radial amplitude : 20-200μm Transverse amplitude : < 30μm



Equipped with **x2**




More powerful than you imagine




Please use the correct scaler tip

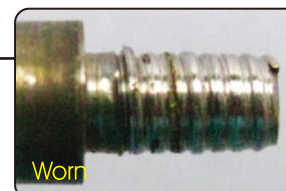
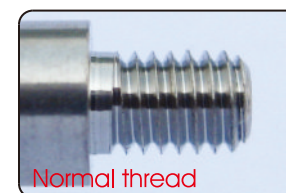


Tips marked with  connected to handpiece marked with **DTE** will lead to serious problem.



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

 These kinds of damages are not covered under warranty.



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

G1

Supragingival scaling

G2

Supragingival scaling

G3

Supragingival scaling

G4

Supragingival scaling

G5

Supragingival scaling

G6

Supragingival scaling

G7

Remove dental crown

G8

Remove dental pile, with irrigation

G9

Supragingival scaling

G10

Supragingival scaling

G11

Orthodontic treatment

Periodontics

P1

Periodontal scaling

P3

Periodontal scaling

P4

Periodontal scaling

P3D

Polish root canal surface

P2L

Periodontal scaling

P2R

Periodontal scaling

P2LD

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

P2RD

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

Cavity preparation

SB1

Removing the caries on occlusal surface of teeth and dental neck

SB2

Removing the caries on Mesial surface of the adjacent teeth

SB3

Removing the caries on Distal surface of the adjacent teeth

G31

Preparation of mesiocclusion cavity

G33

Preparation of teeth veneer

SBL

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

SBR

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

G30

Preparation between pits and fissures

G32

Preparation of distal and mesial cavity

Shoulder preparation

G20

Abrade dentin

G21

Fine repair and polish the prepared shoulder

Endodontics

E1

120° angle holder, for root canal cleaning

E2

95° angle holder, for root canal cleaning

E3

For the lateral thermal condensation of gutta-percha

E3D

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

P4D

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

E4

Remove obstructions and broken instruments in the root canal

E4D

For the retreatment and removal of hard material

E5

Remove root canal fillings and broken instruments in the coronal third

E5D

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

E8

Burs holder, used to expand root canal and grind teeth

E9

Burs holder, used to expand root canal and grind teeth

E10

Used for root canal softly treatment

E10D

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

E11

Used for root canal softly treatment

E11D

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

E14

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

E15

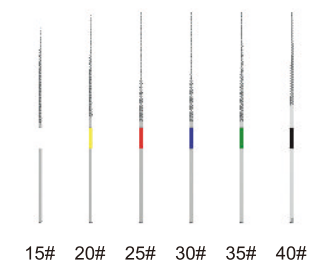
Remove root canal fillings and broken instruments in the coronal third, with irrigation

E14D

For the retreatment and removal of hard material, with irrigation

E15D

Remove calcification in root canal, root canal cleaning and enlargement



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

Tips

66

Tips

65

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



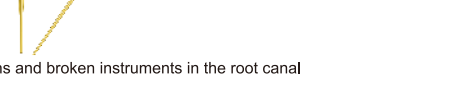
For the lateral thermal condensation of gutta-percha

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



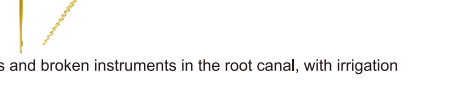
Used for root canal softly treatment

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 *New!*

P1T



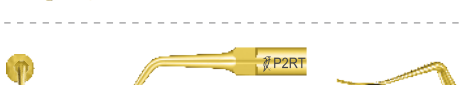
Periodontal scaling

P2LT



Periodontal scaling

P2RT



Periodontal scaling

P3T



Periodontal scaling

P3LT



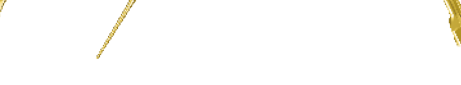
Periodontal scaling

P3RT



Periodontal scaling

P4T



Periodontal scaling

P5T



Periodontal scaling

P10T



Periodontal scaling

P11T



Periodontal scaling

P12T



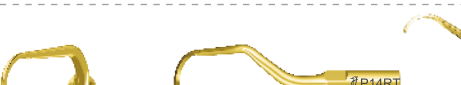
Periodontal scaling

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




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




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

Periodontics (Used for SIRONA)

PS1




Periodontal scaling

PS3




Periodontal scaling

PS4



Periodontal scaling




PS3D



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




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

Precisive 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.

UL6

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.

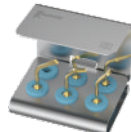
UP7

Bone remodeling and root canal enlargement (diamond-coated)

*The size of diamond grit is 40µm.

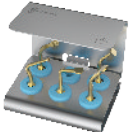
Ultrasonurgy Tip Kit

Basic Kit



Include: US2/US3
US4/US5/UC1

Sinus Lifting Kit



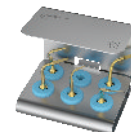
Include: UL1/UL2
UL3/UL4/UL5

Bone Surgery Kit



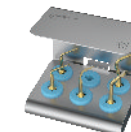
Include: US1/US2
US1L/US1R/US6

Exelcymosis Kit



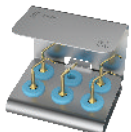
Include: UC1/UC2
UC3/UP2/UP3

Periodontal Surgery Kit



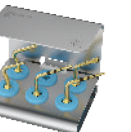
Include: US4/UP2
UP4/UP5/UP7

Endodontic Kit



Include: UE1/UE2
UE3/UE4/US4

Implantation Kit



Include: UI1/UI2
UI7/UI8/UI9

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

Spare parts for ultrasonic scaler

AT-3

Auto water supply system

- Instead of infusion bottle, it can be placed at any flat surfaces to fit the working environment.
- Made of high-quality material, it is safe and durable.
- Pneumatic water control ensures consistency in water pressure.
- Compatible with scalers of any brands.
- User friendly , small in space occupation.





Autoclavable set

Handpiece×1

Torque wrench×1

Endo wrench×1

(6 tips optional)



Detachable cable

With different connectors, available for handpiece HW-3H, HW-5L respectively



TW-1L Torque wrench

← Hold the tips.




TW-1 Torque wrench

← Can not hold the tips.



TW-2L Torque wrench

Hold the tips.



TS-1L Torque wrench

For Sirona scaler tips.



TW-5LTorque wrench

For Woodpecker and EMS scaler tips

TS-5LTorque wrench


For Sirona scaler tips

TK-5LTorque wrench

For Kavo scaler tips



TW-3 Wrench



TW-E1 Endo wrench

Used for changing the ultrasonic U-file and screwing / unscrewing the endo chuck

TW-A wrench

For replacement of dental burs and burs holder



Diaphragm pump



1# Tip holder



2# Tip holder



Foot switch(round)



Quick connector



File stand



Peristaltic pump




Foot switch(square)

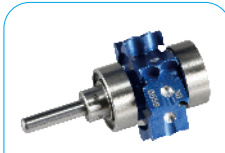


LED lamp


Spare parts for dental turbine handpiece




HL11-M4/B2
Cartridge



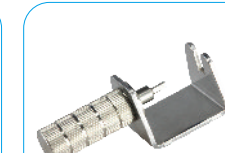
HP13-M4/B2
Cartridge




HP11-M4/B2
Cartridge




HL13-M4/B2
Cartridge




Bur key



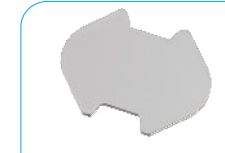
Bearing A
(steel ball)




Bearing B
(ceramic ball,
with shield)



Cap spanner applicable
for HP13-M4/B2



Cap spanner applicable
for HL11-M4/B2
HL13-M4/B2



Cap spanner applicable
for HP11-M4/B2

Spare parts for apex locator



Lip hook



Measuring wire



File clip



Probe



Tester



Adapter 5V/1A
(For Woodpex III)



Battery ICR14500
(For Woodpex III)



Endo ruler

Spare parts for ultrasurgery



Handpiece



Tip holder



TU-1 Torque wrench



Foot switch



Pump tubing



Pump connector



Handpiece holder



Water tank hanger




Power line



Autoclave box

ULTRASURGERY handpiece: Cable and handpiece can be autoclaved together.

Spare parts for curing light



Old

New

Beveled Optical Fiber

- Easy to touch any part of teeth.
- Can radiate vertically at any angles.
- Solve the problem of weak light intensity when radiate vertically with old optical fiber.
- The light intensity is 40% higher than old optical fiber on certain spot when radiate vertically.



Optical fiber
Black and white optional
Can be autoclaved under high temperature and high pressure
1#Dimensions: Φ8mm、Φ8mm / Φ5mm
2#Dimensions: Φ8mm
1#Applicable for:
LED.B, LED.C, LED.D, LED.F
LED.G, LED.P
2#Applicable for: LED.H



Power supply
Power Input:
AC100V-240V 50/60Hz
Power Output / Current:
DC5.0V / 1.0A
Applicable for:
LED.B, LED.C, LED.D
LED.F,LED.H



Battery
①:ICR18490A
Battery Voltage: 3.7V
Applicable for: LED.C
②:ICR18490B
Battery Voltage: 3.7V
Applicable for: LED.D
③:ICR18650A
Battery Voltage: 3.7V
Applicable for: LED.F
④:ICR18650B
Battery Voltage: 3.7V
Applicable for: LED.H
⑤:ICR18650C
Battery Voltage: 3.7V
Applicable for: LED.B



1# 2# 3#
Light hood



Lightmeter



Bathymeter



Bleaching fiber
for LED.F



LED lamp
3W、5W



Glasses