



223 Patents; 19 invention patents; Exported to 134 countries

Choice of Millions of Dentists Worldwide

# WOODPECKER

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Since **1989**

**CATALOGUE**

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2019 1.0 Edition

**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，一件能让外国尊重，能让中  
国人自豪的事。  
吴勋勋 2004.2.19

## Enterprise profile

### Concentration

Since **1989**, Woodpecker concentrates on the R&D of dental products.  
**9** product categories, **85%** domestic market share, and exported to **134** countries.

### Innovation

**306** employees, **75%** of them are Graduates or above or above,  
**18.6%** are full time R&D team, **223** Intellectual rights, **19** invention patents.

### Scale

**26841** m<sup>2</sup> existing manufacturing and research base, **80000** m<sup>2</sup> base under construction.  
**27** million USD invested to build up full-automatic processing and testing center.



Aerial View of Company



Office Building



Library



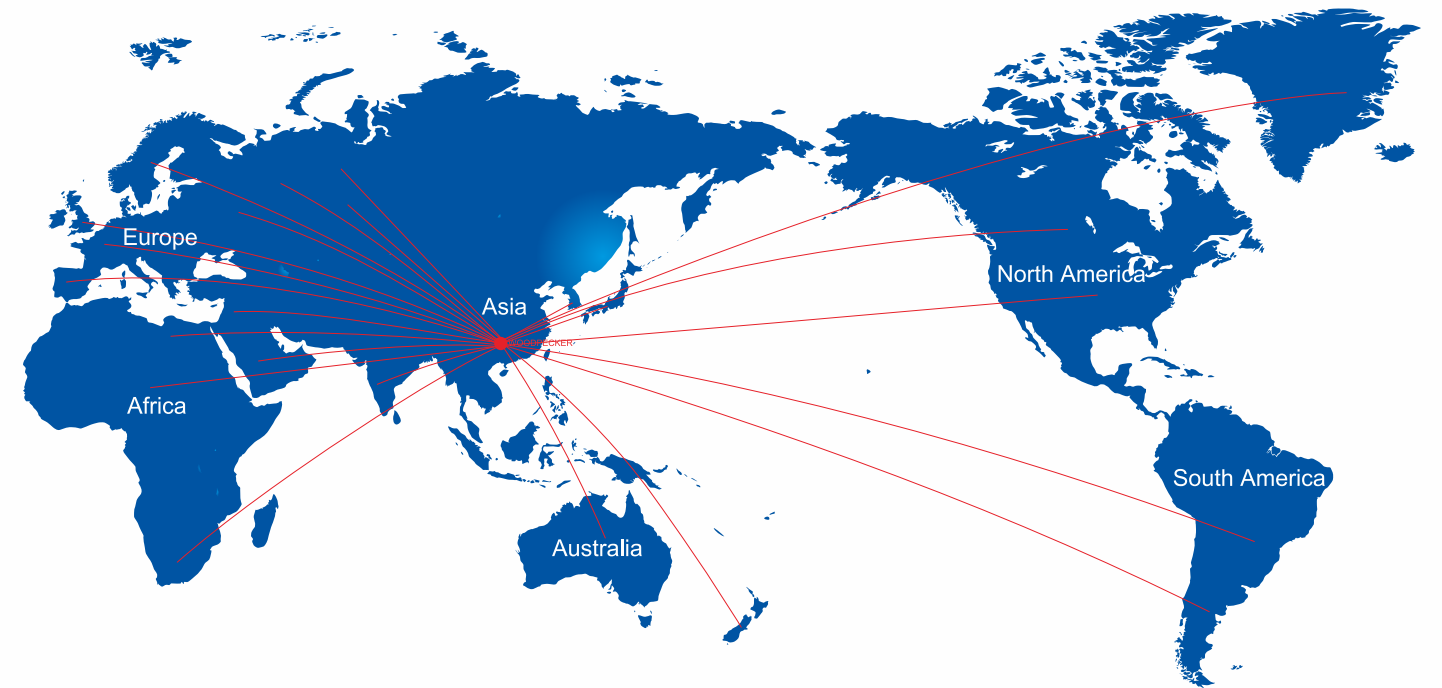
Lecture Hall



Show Room



Woodpecker products have been exported to 134 countries around the world



#### Europe 41 countries

Albania, Belarus, Finland, Ireland, Bulgaria, Netherlands, Estonia, Belgium, Montenegro, Andorra, Bosnia and Herzegovina, Croatia, Austria, Poland, Lithuania, Denmark, German, Luxembourg, Russia, France, Romania, Czech, Latvia, Malta, Macedonia, Moldova, Norway, Portuguese, Sweden, Swiss, Serbia, Slovak, Slovenia, Ukraine, Spain, Greece, Hungary, Italy, Britain, Cyprus, Monaco

#### Oceania 3 countries

Australia, New Caledonia, New Zealand

#### Asia 43 countries

Afghanistan, Bahrain, The United Arab Emirates, North Korea, Oman, Philippines, Azerbaijan, Georgia, Pakistan, South Korea, Kyrgyzstan, Cambodia, Qatar, Kuwait, Laos, Lebanon, Malaysia, Bengal, Myanmar, Nepal, Japan, Saudi Arabia, Sri Lanka, Tajikistan, Thailand, Turkey, Singapore, Syria, Armenia, Yemen, Iraq, Iran, Israel, India

#### America 22 countries

Canada, Nicaragua, USA, Salvador, Argentina, Guatemala, Paraguay, Venezuela, Panama, Uruguay, Brazil, Chile, Bolivia, Cuba, Dominican, Puerto Rico

#### Africa 25 countries

Algeria, Libya, Senegal, Egypt, Reunion, Sudan, Ghana, Madagascar, Botswana, Zimbabwe, Morocco, Burkina Faso, Cameroon, Namibia, Mozambique, Kenya, South Africa, Ethiopia, Mauritius, Nigeria, Niger, Tunisia, Zambia, Somalia, Congo

All staffs of Woodpecker





# 30 years' technical innovation

Made in China German quality

High-quality Durable Innovative

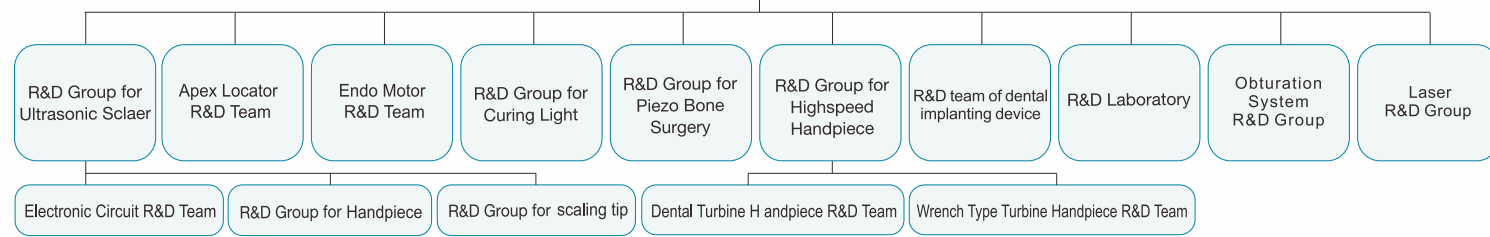
## Experienced R&D team in dental instrument industry

Constituted of 13 teams specializing on each products in Woodpecker. Woodpecker now has 60 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.

30 years' concentration and innovation in core technology research and development.

### Woodpecker R & D center's structure



## Advanced processing equipment in dental industry



The processing of core parts in handpiece



The processing of high speed turbine handpiece



The processing of Tips

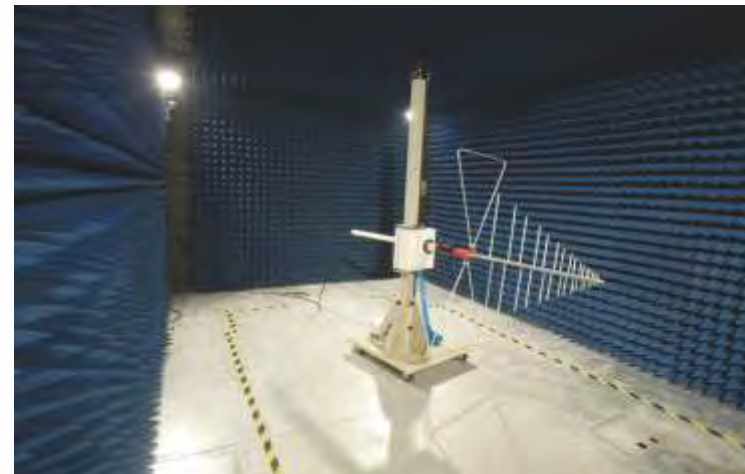
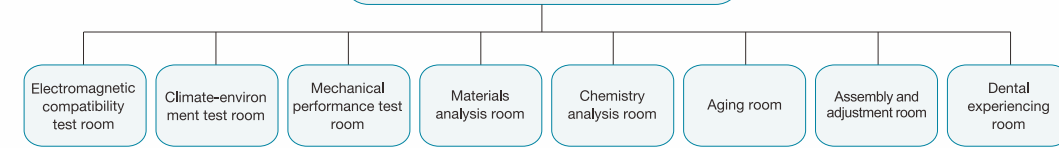
- Invest 21.3 million USD to the construction of CNC Center which occupies an area of 2300 m<sup>2</sup>. Automatic processing equipment is imported from Japan.
- The production of every core part is supported by equipment which costs more than a million yuan.

# Leading laboratory in dental industry

Occupy an area of 1280 m<sup>2</sup>.

Imported professional equipment from Germany, U.S.A, and Japan costs 5.7 million USD.

### Laboratory Center Structure



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



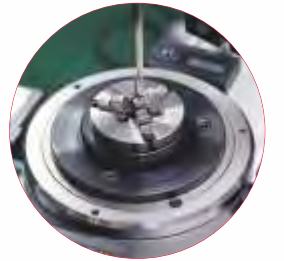
**Mechanical Environmental Laboratory** Simulate various extremely mechanical environments to ensure the quality of products.



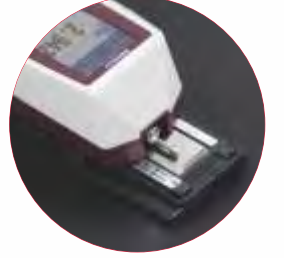
**Climate Environmental Laboratory** Simulate various extreme climate environments to ensure the quality of products.



**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

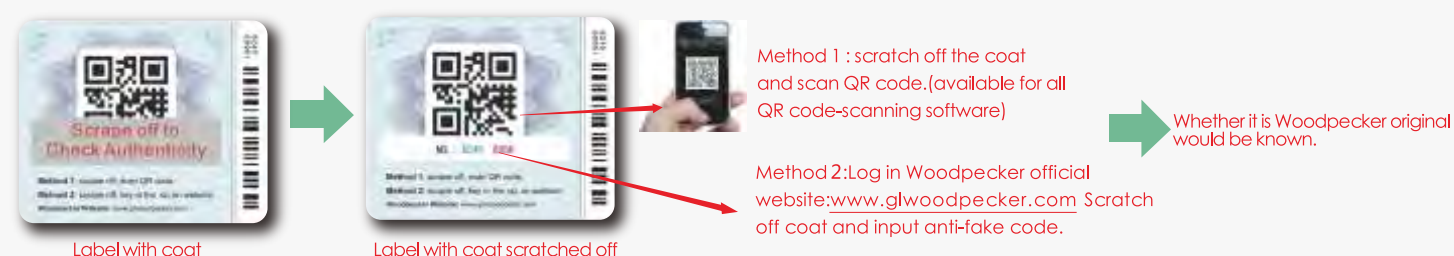


**Energy dispersive X-ray fluorescence spectrometer** To detect the harmful materials, according to the demand of EU standard



# CONTENTS

## 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 scalers out of order.
- 1.4 Fake handpieces can't be compatible with ultrasonic scalers, 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 scalers 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.

<b>WOODPECKER</b>	<b>New Arrivals</b>	<b>1-10</b>
	Implanter	1-2
	Lx16	3-4
	Piezoelectric Ceramics Painless Periodontal	5-10
<b>WOODPECKER</b>	<b>Ultrasonic Scaler</b>	<b>11-21</b>
	U6	11-12
	U600	13-16
	UDS-E LED UDS-K LED UDS-J UDS-P LED	17-18
	UDS-B UDS-J2 LED UDS-A LED	19
	UDS-L LED Built-in Scaler Tip advantages	20-21
<b>WOODPECKER</b>	<b>Apex Locator</b>	<b>22-28</b>
	WOODPEX III Plus	22-24
	WOODPEX III	25-26
	MINIPEX	27-28
<b>WOODPECKER</b>	<b>Endo Motor</b>	<b>29-34</b>
	E-COM	29-30
	Endo Radar	31-32
	Endo Smart	33-34
<b>WOODPECKER</b>	<b>Curing light</b>	<b>35-46</b>
	X-Cure	35-36
	B-Cure	37-38
	LED.F	39-40
	LED.B LED.D LED.C LED.H	41-42
	LED.G LED.Q MINI S ILED	43-44
	LED.H ORTHO	45-46
<b>WOODPECKER</b>	<b>Dental Turbine Handpiece</b>	<b>47-50</b>
	Dental Handpieces' Advantages	47-48
	Models of Dental Handpieces	49-50
<b>WOODPECKER</b>	<b>Bone Piezo Surgery</b>	<b>51-56</b>
	Surgic Touch	51-52
	Ultrasurgery	53-54
	US-II LED	55-56
<b>WOODPECKER</b>	<b>Tips</b>	<b>57-66</b>
	Comparison of Scaler Tips	57-58
	Function of Scaler Tips	59-66
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	Spare Parts	67-70

New Arrivals

Ultrasonic Scaler

Apex Locator

Endo Motor

Curing light

Dental Turbine Handpiece

Ultrasurgery

Tips



# Implanter

Precise toision    Srtrong and powerful

Woodpecker Implant Motor adopts mute motor imported from Swiss. Advanced FOC controlling technique blends low speed performance with high speed performance. In order to verify the clinical features of flexible response and stable safety, Implant Motor R & D personnel go into the operating room, getting them involved in clinical applications. Under the instruction and assistance of experts from home and abroad, they finally complete the clinical optimization of product. Woodpecker spares no efforts to provide you high quality products.

Rapid and stable response of mute motor

Light motor, more flexible operation

Large-size touching screen, clear display

Strong twist force; accurate limited force

Low speed thread tapping; safer constant speed





# LX16

## A New Generation Of High Power Dental Diode Lasers

### Laser parameter:

- Wavelengths & optical power:

976 ± 10 nm / approx. 0.1 – 10.0 W (CW), optical peak power approx. 16 W;

650 ± 10 nm / approx. 25 – 200 mW (CW)

- Laser system:

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

- Emission modes:

CW (continuous wave), chopped 1 Hz to 50 kHz

### Aiming beam:

650 ± 10 nm / 1 – 3mW (CW)

- Optical fiber thickness:

320 and 200 μm (fiber tips), 8 mm (glass rods)

- Battery:

5200mAh@11.1V(57.7Wh)



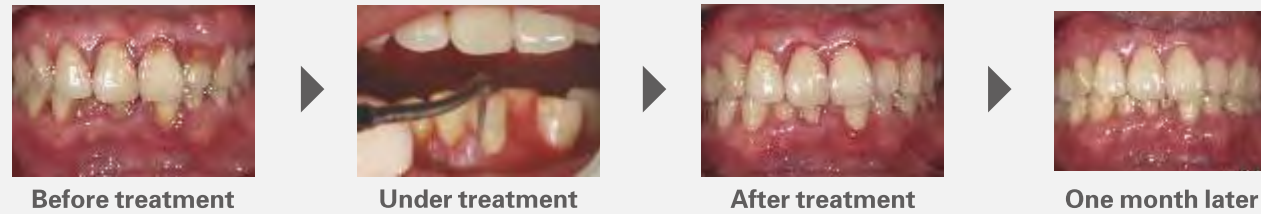


# WORLDWIDE LAUNCHING — PT 3

PIEZOELECTRIC CERAMICS PAINLESS PERIODONTAL TREATMENT DEVICE

9 invention patents      101 national patents  
 30 years of research on ultrasonic scaling

**Treatment effect:**



**Save scaling**

Tip amplitude is about 20-60 μm, equivalently third of diameter of a single hair.  
 Excellent sci-tech outcome assures your save and painless treatment



**Implant maintenance P90**

Tip end is wrapped with PEEK material  
 Clean and repair implants

**PT 3 main specifications:**

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

**Equipped with: 2 handpieces+10 tips**





# PT 5 PAINLESS PERIODONTAL

Piezoelectric Ceramics Painless Periodontal Treatment Device



## Root canal treatment



### ENDO SCALING FAST & COMPLETE

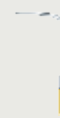






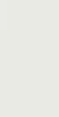


After scaling, there is no smear layer on root canal surface, only a few amount of debris left.

<p>Endo scaling (E51 E52)</p> 	<p>For removing the calcification and bad fillings in root canal (E3D)</p> 	<p>For removing the calcification in the coronal third of the root canal (P4D)</p> 	<p>Looking for root canal orifice (E12D)</p>  <p>Diamond-coated, ball head, for looking for root canal orifice with security, accuracy and efficiency</p>	<p>Root canal retreatment, removing foreign body (E6 E7 E14 E15)</p>  <p>Special material [E6, E7], extremely thin and soft, good conductivity to ultrasound</p>
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## Main specifications:

Frequency: 28000Hz – 42000Hz	Tips hardness: 30HRC
Vibration amplitude: 20~60um	Treatment depth: 14mm

							
P50RT	P50LT	P52T	P56T	P59T	P90T	20#	25#
X3	X3	X2	X2	X2	X1	X6	X6

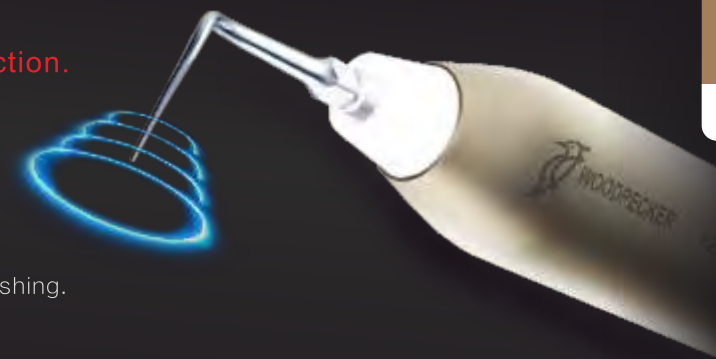
Woodpecker reserves the rights to change the tips configuration without further notice.

### Elliptical vibration track endows polishing function.

Tip amplitude is about 20–60 μ m, equivalently third of diameter of a single hair.

Elliptical vibration track disperses the impact force between tip and teeth while realizing 360° scaling and polishing.

Perform scaling and polishing at the same time.



### Distinctive touching system

Clear control panel.

12 grades power setting

Optional dual water supply modes: external water supply & automatic water supply

Ultra-sensitive touching system

Stickers, gloves, and drippings will not affect operation.



### Sealed handpiece with LED ensures clear oral cavity vision

Handpiece can be autoclaved, avoiding cross-infection  
Durable life span





## E51



120° angle holder: Swishing anterior teeth coordinated with swished file after root canal preparation, used in E mode.

## E52



95° angle holder: Swishing posterior teeth coordinated with swished file after root canal preparation, used in E mode.

## 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

## P90



Implant maintenance

Clean implants and restorations

Make sure water can reach the top of tip.

Power should be no more than level 7, or the peek head may be broken

## SPOILING YOU SO MUCH !





# U6 Ultrasonic Endodontic Expert

## Comfortable Scaling

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

Microcomputer control and automatic frequency tracking enable more stable performance

Intelligent degenerative system enhances professional operation

Smart touching system makes it easier to operate

Main unit input: ~24v 50hz

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.





# U600 Ultrasonic Scaler

Intelligent power output Experience painless treatment

30 years innovation

Professional scaler manufacturers

Woodpecker scaler owns **101** national patents **9** national invention patents



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.

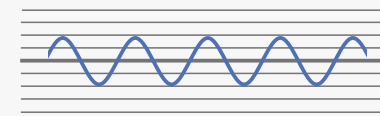
Root canal irrigation is the most widely used clinical support methods. Its purpose is to remove the substance inside root canal, dissolve diseased tissue, remove pathogenic microorganisms, and remove smear layer. Lubricate the root canal internal wall. During root canal preparation process, prevent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

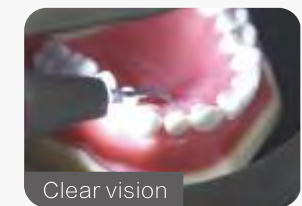
On the one hand, it can cool the tip. On the other hand, it will help form cavitation effect, that is, subtle vacuum bubble quickly collapses and produces energy to scour the calculus, plaque and the broken tartar and blood.

## High-quality handpiece

Aluminum shell can be autoclaved, causing no cracking or deformation

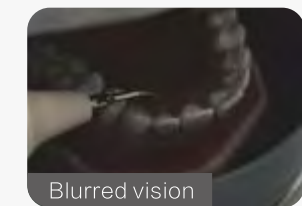
Advanced handpiece sealing technique enables long durability

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.





**E1**  
120° angle holder: Swishing anterior teeth coordinated with swished file after root canal preparation.



**E2**  
95° angle holder: Swishing posterior teeth coordinated with swished file after root canal preparation.



**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 mesioclusion 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.



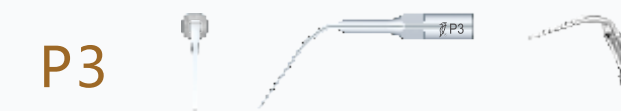
**SB2**  
Diamond-coated(40µm), used with G31. After the mesioclusion cavity is completed with G31 , used for the cavity inside and outside which is hard to reach the outer area of preparation and polishing.



**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.



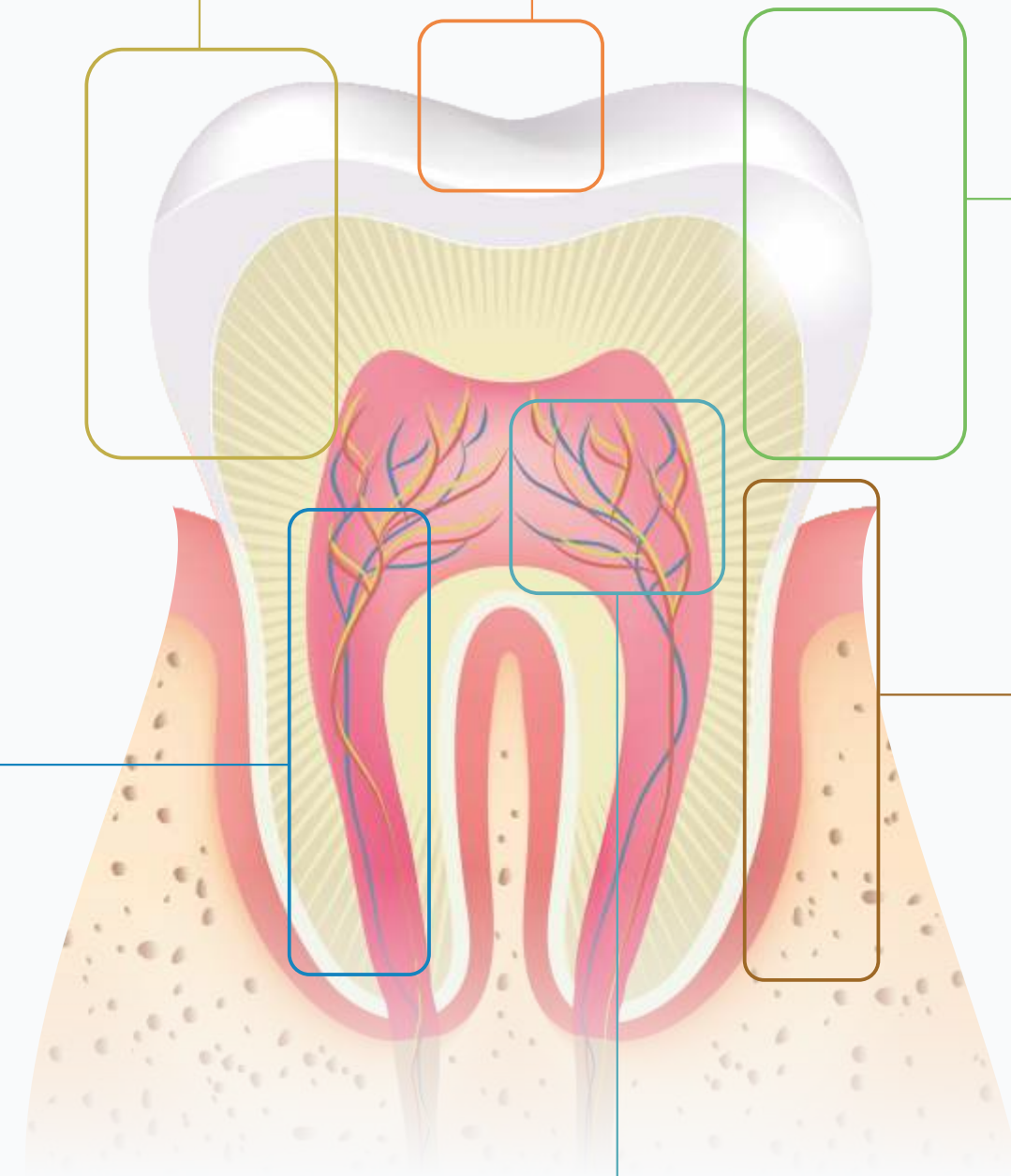
**P3**  
Diamond-coated(40µm), used with G32. After the distal mesial cavity is completed with G32 , used for the cavity inside and outside which hard to reach the outer area of preparation and polishing.



**P4**  
Efficient removal of subgingival calculus within 2mm



**P3D**  
Diamond-coated(40µm), used for expanding furcation and root surface polishing in flap surgery .



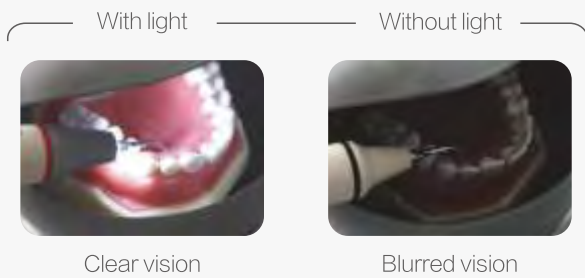


## UDS-E LED

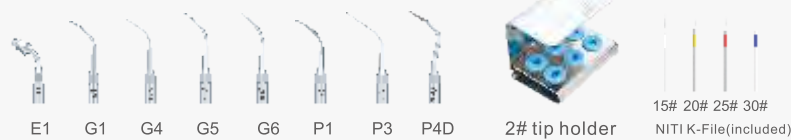
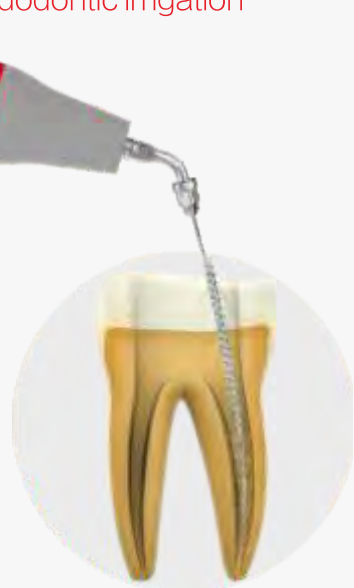
- Scaling
- Perio
- Endo
- Handpiece with LED
- Auto-water supply

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

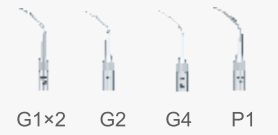


## UDS-K LED

- 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

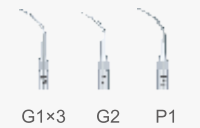


## UDS-J

- 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

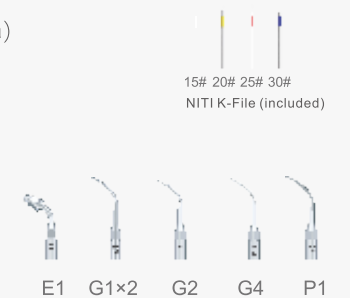


## UDS-P LED

- 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

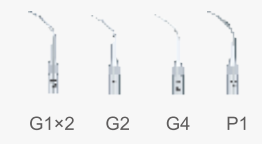


### UDS-B

- 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

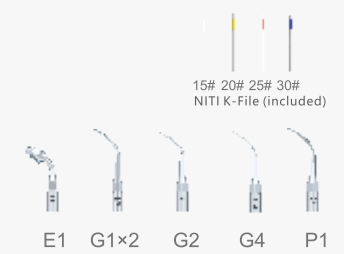


### UDS-L LED

- 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

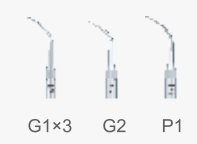


### UDS-J2 LED

- 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

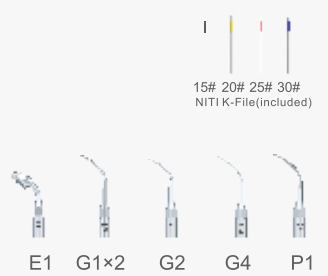
Match detachable handpiece HW-3H

### 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





### 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



### Compatibility of tip

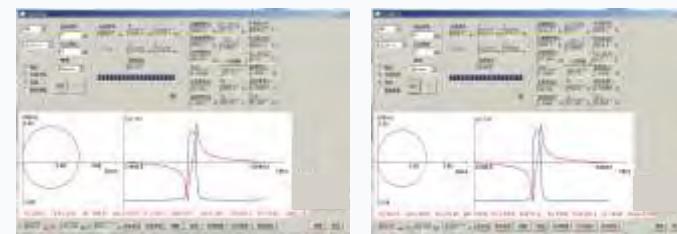
The working frequency range of Swiss E brand: < 32000Hz



Woodpecker tip can perfectly match E brand scaler

### Compatibility of handpiece

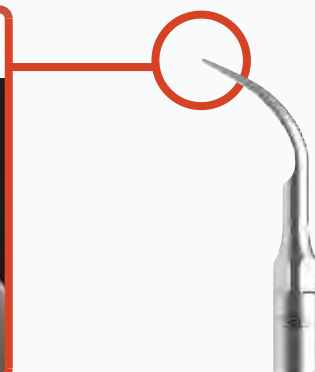
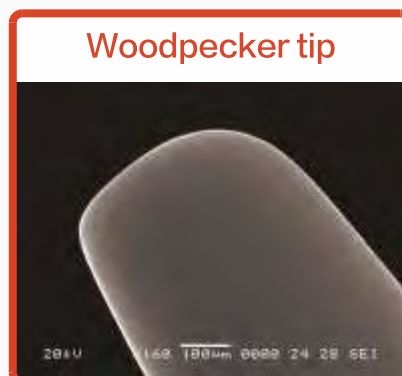
Woodpecker: Resonant frequency      E brand: Resonant frequency



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

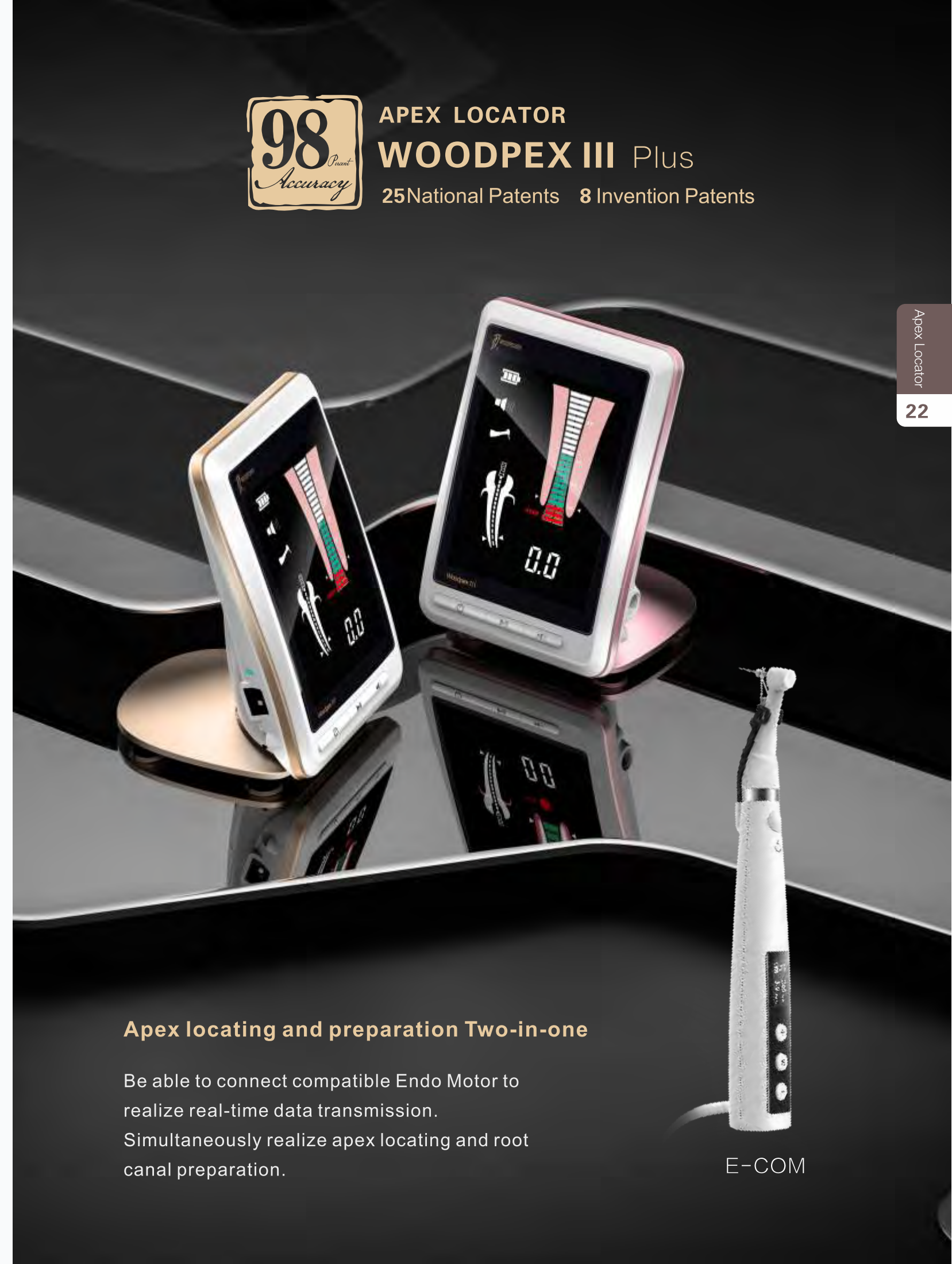
Select high-quality medical material which is durable and wear-resistant. Adopt advanced laser drilling technology and experience 35 strict production processes as well as 5 inspections.



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



APEX LOCATOR  
**WOODPEX III Plus**  
 25 National Patents 8 Invention Patents



### Apex locating and preparation Two-in-one

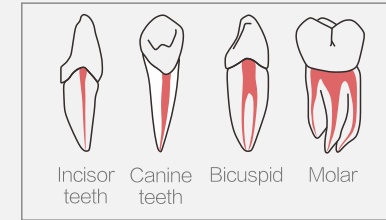
Be able to connect compatible Endo Motor to realize real-time data transmission. Simultaneously realize apex locating and root canal preparation.

E-COM

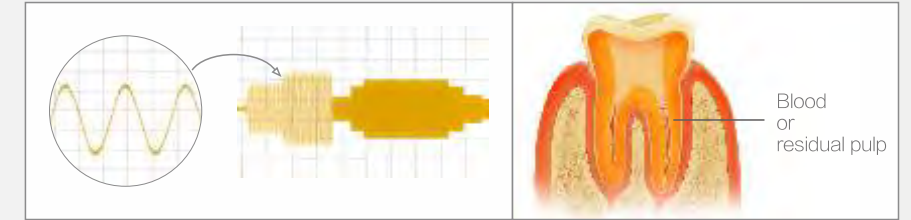
# WOODPEX III Plus

- Flexible apex dead point setting
- New dead point setting function allows setting as per professional needs
- Timely remind operators of measuring distance

For all kinds of teeth



Multi-frequency measurement technology, blood or residual pulp in root canal will not affect measuring accuracy.



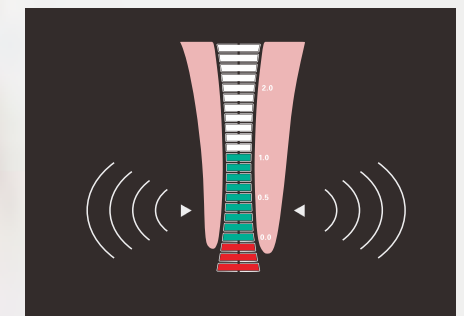
Stable performance

Optimized accessories efficiently avoid unstable measuring



Optimized LCD screen with brighter color

Homogeneous light distribution allows better visual perception  
Various color areas separately display the track of probe in root canal



Luxury gold & Rosy gold

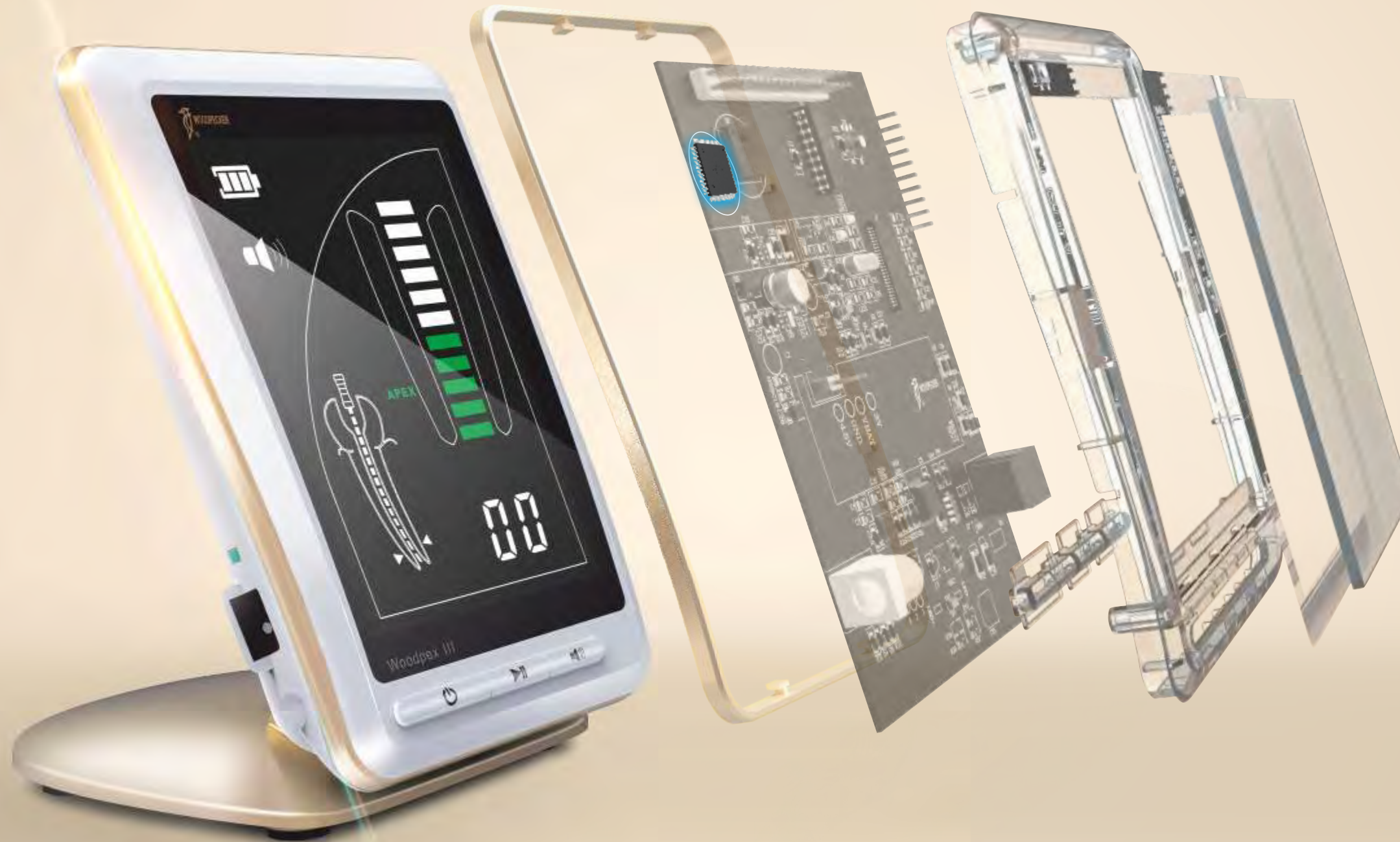
Optional luxury gold and rosy gold appearance  
Blending excellent structure with fabulous proportion





# WOODPEX III Golden Standard

- Color LCD screen displays clear image.
- Multi-frequency apical positioning technology avoids some subjective factors from influencing the measuring result.
- Rechargeable lithium battery
- Adjustable viewing angle



Battery: 3.7V/750mAh  
 Power consumption: ≤0.5W  
 Screen: 4.5"LCD  
 Weight: 350g  
 Dimension: 84mm×88mm×112mm

The product were authorized appearance patent, counterfeit will be sued.  
 Patent No.: ZL201130379058.9

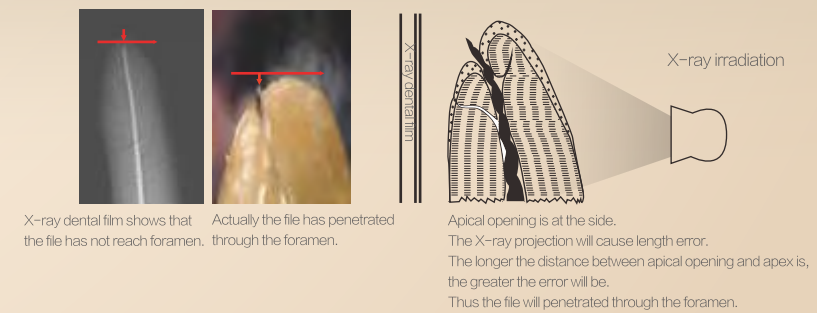
## Defects of traditional measuring methods

### Defects of handing method

The doctor determines whether the device reaches the apical foramen according to the feeling of hand and pain of patient, which is of strong subjectivity and low accuracy. The accuracy is only about 42% within the error range of ± 0.5mm.

### Defects of X-raying method

Three-dimensional structure is projected in two-dimensional plane. For different projection angles, the data is very error-prone; Apical foramen cannot be reflected in the X-ray dental film. And more than 80% of the apical foramens are not in the apex position but at the side.





# Minipex Apex Locator

COMBINATION OF TECHNIQUE AND ART

QUALITY AND BEAUTY COEXIST

Small size  
High precision

## Simplicity and Elegance

Back-up ring design  
Multi-angle adjustment  
Arbitrary set, measure as wishes  
Lightweight, easy to take  
Outstanding authentic quality

## Light but Powerful

A total weight of merely 71g  
Dimension: 70mm × 62mm × 20mm  
With superb technique  
100% automatic digital calibration  
Light body together with stable performance



## Voice Prompt

Multi - frequency independent network measuring technique, enlarging the apical narrow area  
Double assurance to accurate measurement  
Alarm rings when the distance between root canal needle and root canal is less than 2 mm  
Providing effective protection to both dentists and patients

## Simplified Body Design with High Sensitivity

Clinical data fitting  
Measurement accuracy up to 97.71%  
Updated chip, real-time response, double sensibility  
Innovative algorithm, intelligent anti - interference



# E-COM

## PRESET VARIOUS FILE SYSTEMS



Preset various file systems so that the dentist can directly choose the file system that they need, which brings dentists convenience while they need to use different kinds of files.



## CUSTOMIZATION

Storage of 9 user-defined modes allows invocation at any time. Under each mode, continuous motion, reciprocating motion, and reverse motion are for options. Torque and speed is adjustable.



## EFFECTIVELY PREVENT NEEDLE BREAKAGE



Adopt real-time feedback technology and dynamic torque control, realizing automatic reverse, effectively preventing fracture.



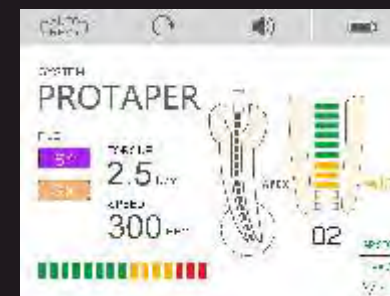
Effectively prevent needle breakage

Reciprocating mode - match all kinds of single file in the market

Continuous mode - three intelligent reversing functions



## INTEGRATED LENGTH DETERMINATION



- Auto Apical Reverse & Auto Apical Stop
- Auto Start
- Auto Apical Slow-down

## WIRELESS CHARGING

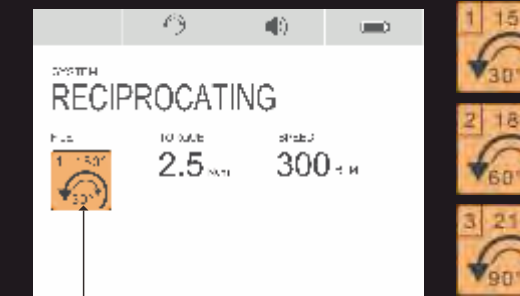
Non-contact, reliable

Intelligent charging mode: without adapter



## RECIPROCATING MODE

Accurate angle control



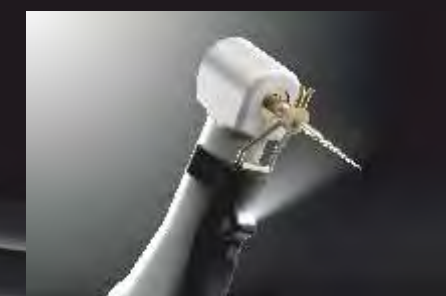
## WIRELESS COMMUNICATION

Cordless handpiece



## LED LIGHT:

Operation Vision is more clear



Three kinds of reversing modes

Torque: 0.6 - 4.0 Ncm

Speed: 200 - 650 RPM

Capable of presetting all the populous file systems in the market



# Endo Smart

## Effectively prevent file breakage

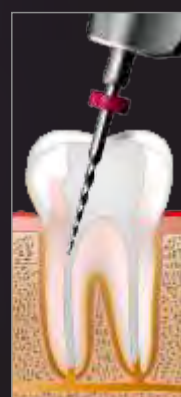
Adopt real-time feedback technology and dynamic torque control, realizing automatic reverse, effectively preventing fracture.

## Customization

Storage of 9 user-defined modes allows invocation at any time.

Under each mode, continuous motion, reciprocating motion, and reverse motion are for options.

Torque and speed is adjustable



## Maximum compatibility

Wide torque and speed range make it adapt to various file systems such as FKG, XP-endo, and Shaper in the market.

Recommended speed is 800-1000rpm.

Recommended maximum torque setting for Dentsply Protaper Gold is 5N.cm.



## WIRELESS CHARGING

Non-contact, reliable

## All-angle OLED screen

Without visual angle limit, clear display can be guaranteed even under strong light. Available display of speed, torque, and battery consumption

## Nimble Contra-angle

Contra-angle can be autoclaved to avoid cross-infection. Adjustable angle make it available for different teeth positions. Small and exquisite head provides unobstructed views.

## Imported Motor

15.5: 1

reduction ratio endows strong power and efficient cutting.

Durable planet gear gearbox prolongs service life of device.

ONECURE™

# X-Cure

Wide Spectrum Curing Light

Eleven years of Curing Light technological research and development  
Wide Spectrum LED Curing Light X-Cure emerges at the right moment  
Compared with general LED Curing Light, it is of wider emission wavelength range,  
better curing bleaching resin and transparent resin.

Curing light

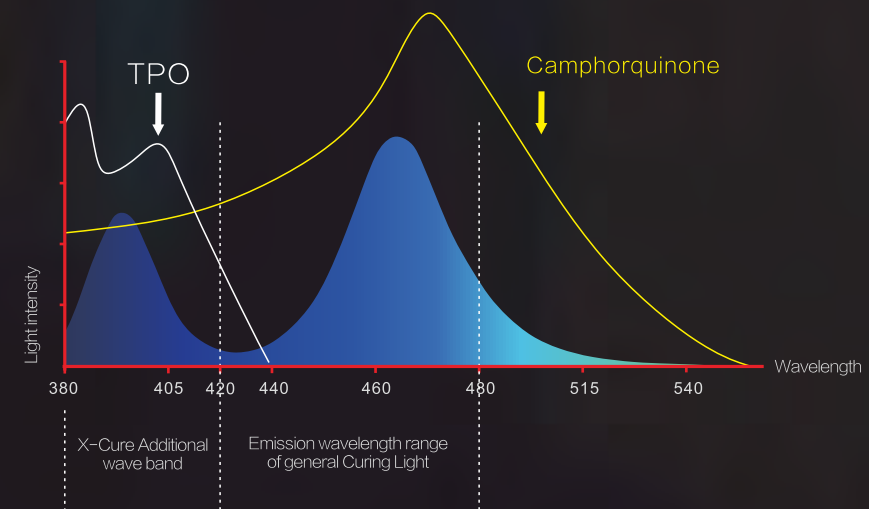
35



## Wide Spectrum Curing

Emission wavelength range of general Curing Light is 420nm - 480nm  
Emission wavelength range of X-Cure wide spectrum Curing Light is 385nm - 515nm,  
adding a new wave band of 385nm - 420nm.  
The additional wave band can better curing resin materials containing  
new-style photoinitiators such as TPO. For example,  
restoration materials like Tetric N - Ceram Bulk Fill (Ivoclar),  
Amelogen Plus (Ultradent), and ENA Hri (Micerium).  
This new wave band can also reduce the risk of resin falling off and incomplete curing.

## X-Cure Spectral Curve and Resin Spectral Absorptivity



The light-absorbing peak of traditional material (including camphorquinone;  
the yellow line on the figure) is 460nm,  
so the curing can be done by either general Curing Light or Wide Spectrum Curing Light.  
But camphorquinone is of a yellow color.  
It is not suitable to add large amounts of it to bleaching resin or light-colored resins.

The light-absorbing peak of new materials (including TPO;  
the white line in the figure above) is 405nm.  
Compared with general LED Curing Light,  
X-Cure owns additional 385nm - 420nm wave band which is able  
to better curing this kind of new material. TPO is of white color.  
Thus it is suitable for adding to the bleaching resin and light-colored resin.

Curing light

36





# B-cure

Broad-spectrum LED Curing Light

## More human-friendly design

B-Cure adopts ergonomic design with smooth lines and small size. Doctors can easily hold it.

## 3 seconds for curing

B-Cure is equipped with 5w LED. The maximum light intensity can reach 2000mw/cm<sup>2</sup> with such a small size.

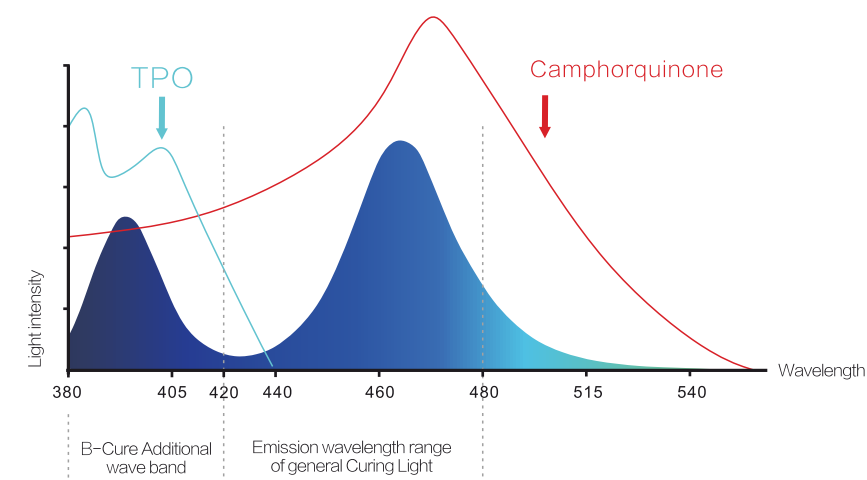
Curing normal resin that is thicker than 2mm in three seconds Play an important role in cementation of all-ceramic restoration and orthodontic bracket.

## Ortho mode

In the orthodontics mode that is unique to B-Cure, the light intensity automatically adjusts to 2000mw/cm<sup>2</sup>.

The user can set the single curing time for 3s or 5s, and the device will automatically conduct 10 circles of curing with interval of 1s.

One operation can basically finish the cementation of 2 to 3 bracket, which reduce operations and improves efficiency.





# EXPERT IN LED CURING LIGHT !



**3 SECONDS FOR CURING**  
Up to 1800mW/cm  
**HIGH INTENSITY**

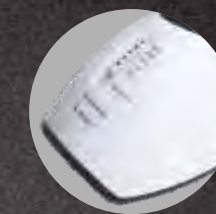
## LED.F

- Light meter attached.
- Built-in fan to avoid over-heat.
- OLED screen. All angles visible.
- Especially suitable to solidify agglomerant of orthodontic bracket, veneer and post.

Power input AC100V-240V 50Hz/60Hz  
Light output 1600mW/cm<sup>2</sup>-1800mW/cm<sup>2</sup>  
Net weight 210g  
Dimensions 195mm×40mm×150mm



Main unit  
OLED Screen



Pedestal  
Light intensity indicator and  
light intensity measure point



**14 years professional technology,  
41 patents, 8 Invention Patents  
Global sales over 600,000 units !**

Industrial design patent No.: CN 200930321058.6



## 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<sup>2</sup>-1600mW/cm<sup>2</sup>  
 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/cm<sup>2</sup>-1600mW/cm<sup>2</sup>  
 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.

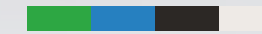


Industrial design patent No.: CN 200830300501.7

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

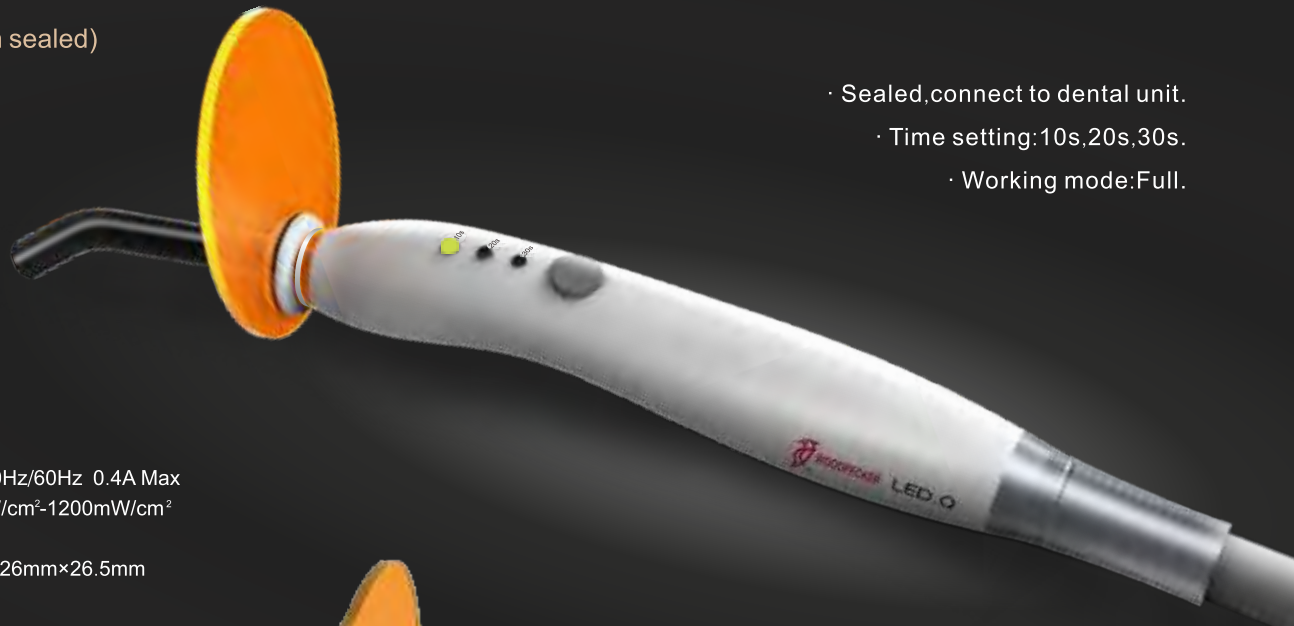
## LED.G (Built-in sealed)



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

Power input AC24V 50Hz/60Hz  
 Light output 1000mW/cm<sup>2</sup>-1200mW/cm<sup>2</sup>  
 Net weight 135g  
 Dimensions 260mm×26mm×25mm

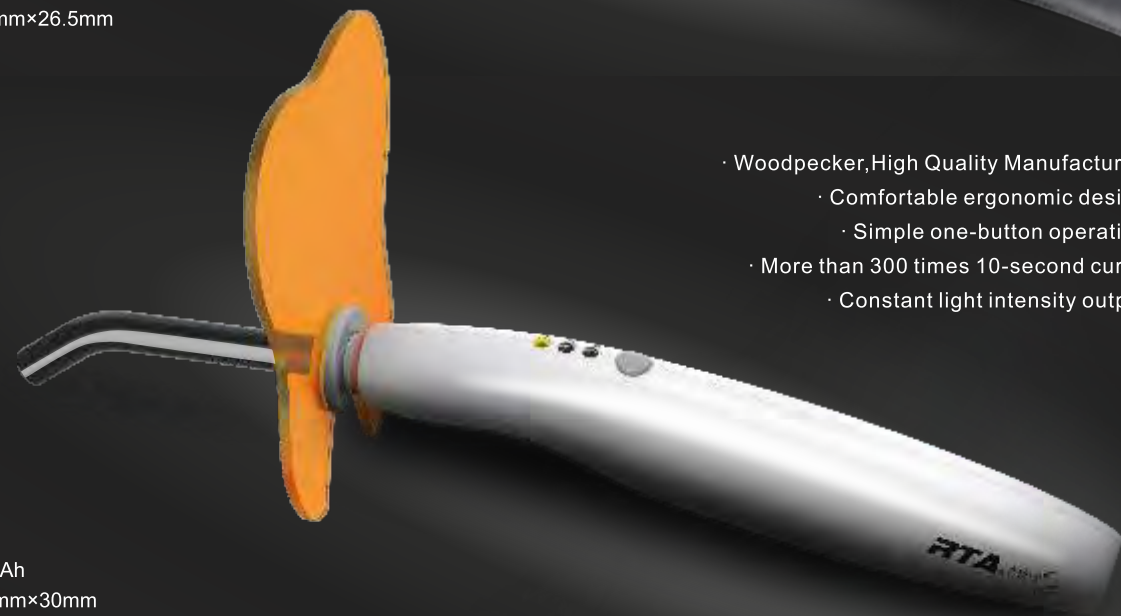
## LED.Q (Built-in sealed)



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

Power input ~24V 50Hz/60Hz 0.4A Max  
 Light intensity 1000mW/cm<sup>2</sup>-1200mW/cm<sup>2</sup>  
 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

# CURING LIGHT iLed



Cure 2mm resins in one second

light intensity up to **2300 mw/cm<sup>2</sup>**



### CONSTANT POWER OUTPUT

Born for restoration

### 1 SEC FOR CURING

Go quicker than ever

### 360° ROTATABLE HEAD

Extend the possibility

### ERGONOMICS DESIGN

optimize the hand-grip use



# LED.H | ORTHODONTIC EXPERT |

## Rapid orthodontic 3 seconds for curing

Light intensity up to 1800mW/cm<sup>2</sup>, only 3 seconds to solidify the bracket.

## Beveled light guide

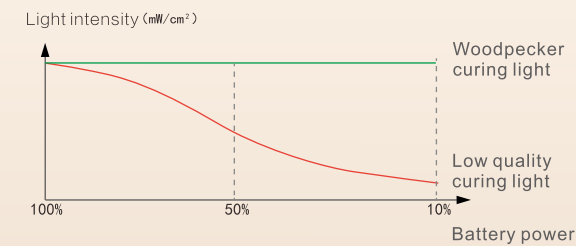
Easy to touch any part of teeth, radiate vertically at any angles, especially suitable for posterior teeth

## Continuous work time

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

## CONSTANT LIGHT INTENSITY

Tests have shown: curing light without constant light intensity will cause incomplete solidification to the bottom of resin when power drop to about 60%.



Constant light output. Solidification effect will not be affected by the consumption of remaining power.

For most curing lights on the market, light intensity obviously decreases with the consumption of remaining power



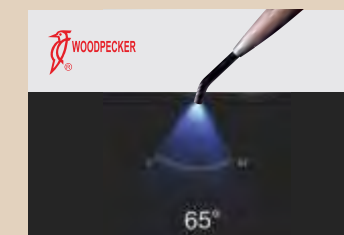
## LIGHT HOOD



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 will easily cause explosion under high temperature with unguaranteed quality.

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





KINGKONG series drop  
Resistant dental handpiece

## MORE POWERFUL AND MORE EFFICIENT

Thanks to the new optimized wind wheel and gas path design

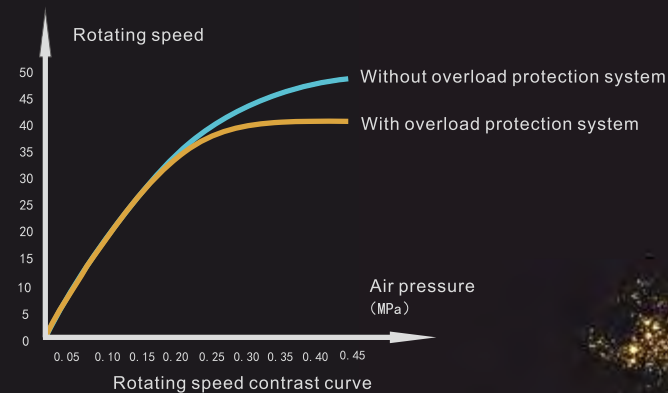
Torque is up to **7.5gf.cm**, which has increased by **62.8%** compared to old type handpiece.

As a result, the cutting efficiency is increased by **94.6%**.

# THE CHAMPION AMONG EXCELLENCES

Cutting force raises **94.6%**

## OVERLOAD PROTECTION SYSTEM



Feature article of overload protection system

The new overload protection system can protect the handpiece from higher pressure, prolonging handpiece's life span. Dentists do not need to frequently adjust the air pressure, which is more convenient and efficient.

## AXIAL CORE WITH BIGGER CLAMPING FORCE



Pull to red graduation :16N  
Pull to yellow graduation :20N  
Pull to green graduation :24N

Non-spring structure axial core design

It has larger clamping force (which is up to 35N) compared to traditional spring structure axial core. It can grasp the niddle tighter

It wouldn't be hard to uninstall the burs after intense cutting, making it more convenient to install and uninstall the burs.



# HP 33

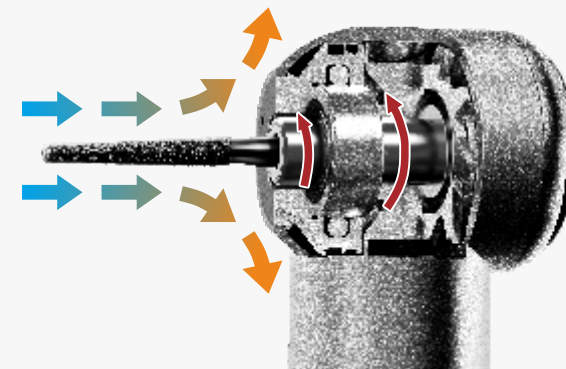


## Three-hole atomization Better cooling effect

Traditional single-hole handpiece cannot completely cool down for the limit of flow and angle. Especially for the deep-hole cutting such as pulp exposing, as the angle is limited, the cutting area cannot be cooled, which will burn the teeth tissue. Three-hole atomization handpiece takes the burr as axis to spray atomized water to the treatment area from various angles, wrapping the burr, reducing the risk of burn the teeth tissue during cutting process.

## Anti-suction Sanitary Head System

Negative pressure tends to cause ingress of foreign substance such as flood and germs while the handpiece stopping rotating. Special wind wheel and head design prevents back suction whilst prevent foreign substance from getting into the core of machine, prolonging the service life of bearing.



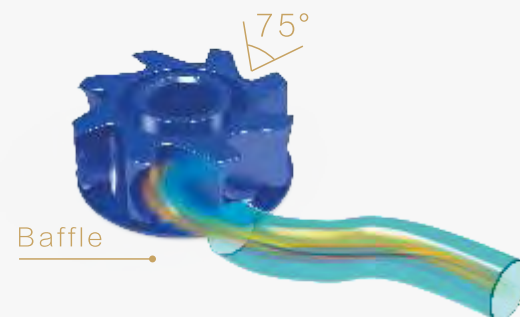
## Strong enough clamping force Tighter needle grasping

Non-spring structure axial core design  
Stronger clamping force (up to 35N) enables tighter needle grasping  
It wouldn't be hard to remove after intense cutting, making it more convenient to install and uninstall the burrs.  
The following figure shows three scales of clamping forces on the measuring tool  
Pull to red graduation: 16N  
Pull to yellow graduation: 20N  
Pull to green graduation: 24N



## Imported ceramic bearing

Wear-resistant cage enables longer service life.



Model	HP33-M4/B2	HP11-M4/B2	HL11-M4/B2
Type	Big head push type	Standard push type	Standard push type
Characteristics	Anti-suction system Single-hole atomization Strong cutting force	Small head with strong force Single-hole atomization Overload protection Tighter burr grasping	Standard head Single-hole atomization Strong cutting force Overload protection
Air pressure	0.25-0.27MPa	0.18-0.22MPa	0.18-0.22MPa
Water pressure	0.1-0.25MPa	0.1-0.25MPa	0.1-0.25MPa
Rotation speed	0.3-0.35 million rpm	0.36-0.43 million rpm	0.36-0.43 million rpm
Head height	13.4mm	13.1mm	12.0mm
Head diameter	Φ 12.0mm	Φ 11.2mm	Φ 11.2mm
Noise	< 70dB	< 70dB	< 70dB

# SURGIC TOUCH

## 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.



## 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.

WOODPECKER

# 3RD

GENERATION OF ULTRASURGERY

## High-performance Handpiece

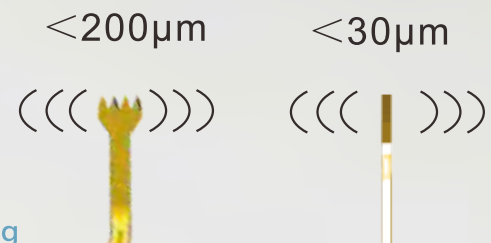
Optimized handpiece with stronger sealing  
High temperature cooking disinfection causes no loss of performance  
High-brightness LED brings clearer operating vision  
Bringing doctor better clinical application experience



# UltraSurgery



## Excellent Performance



## Minimally invasive cutting

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

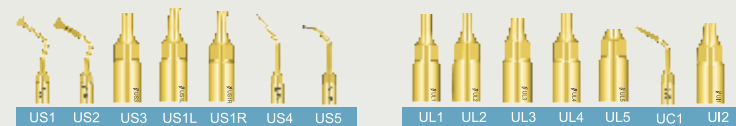
Radial amplitude : 20-200 $\mu\text{m}$     Transverse amplitude : <math>< 30\mu\text{m}</math>

## 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.



Equipped with **x2**



## Stable and efficient cutting

Handpiece and tip are of the same vibration frequency, endowing stable and efficient cutting.

## 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.



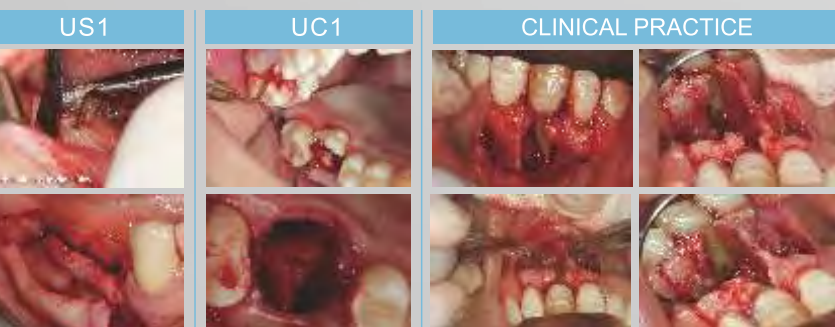
# US-II LED

Woodpecker core technology, reliable cutting efficiency professor

38 patents, 9 invention patents

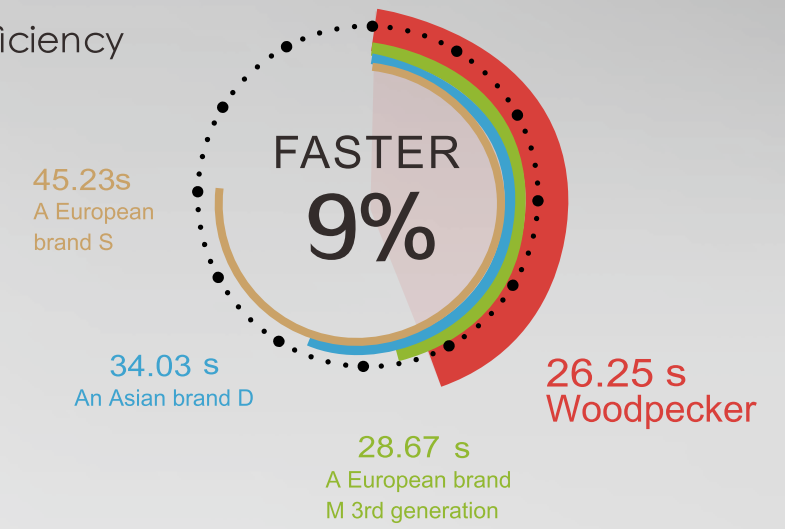
15 years of R&D, 29 years' Ultrasonic Technology Professor

Exported to 89 countries, including Germany, Switzerland, Italy etc.



**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

Comparison of cutting efficiency with other famous brands

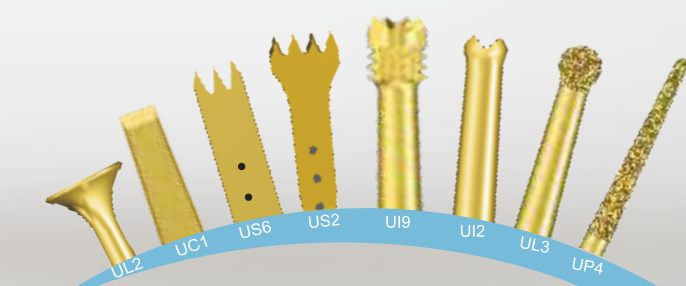


### SAFE

Handpiece and pump line can burden UHT sterilization, to make sure the bacteria-free environment

### NEWLY DEVELOPED HANDPIECE

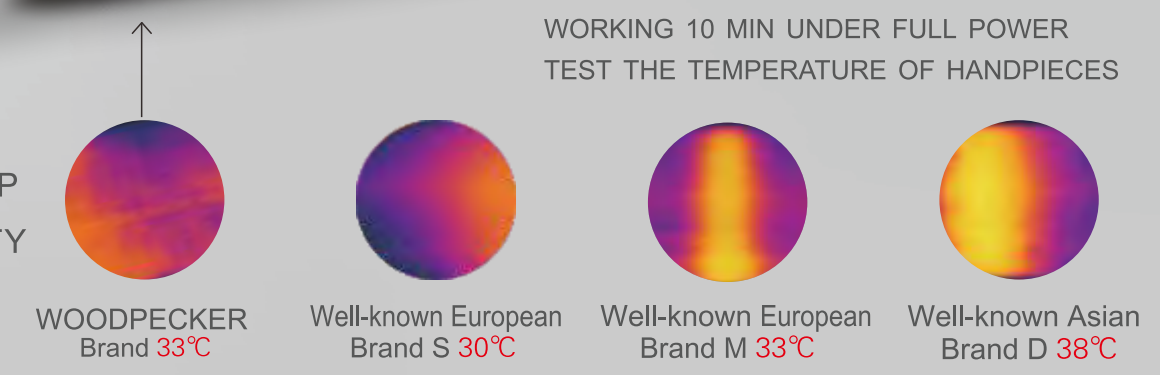
Developed internal structure: handpiece and tip are more compatible, with steady output  
 Developed packaging technology: more stable after UHT sterilization, with constant quality



Micrometric cuts, Selective cuts, No harm to soft tissue



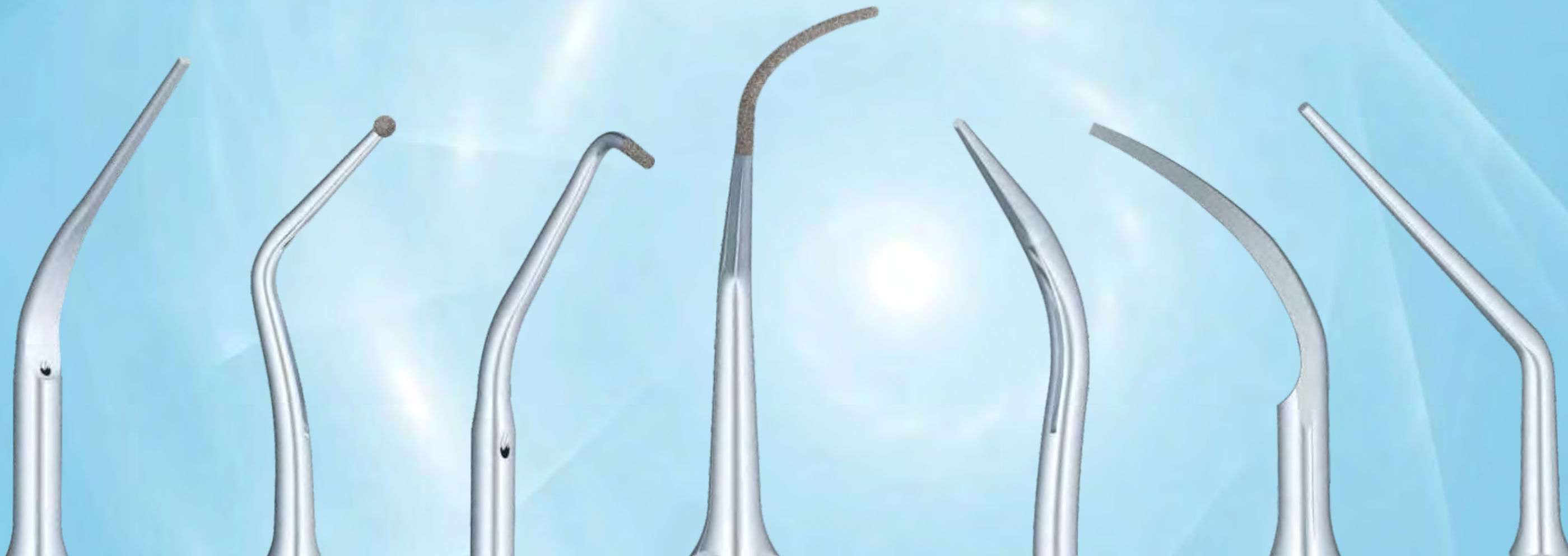
HIGHLIGHT LAMP  
CLEAR VISIBILITY



WORKING 10 MIN UNDER FULL POWER  
TEST THE TEMPERATURE OF HANDPIECES




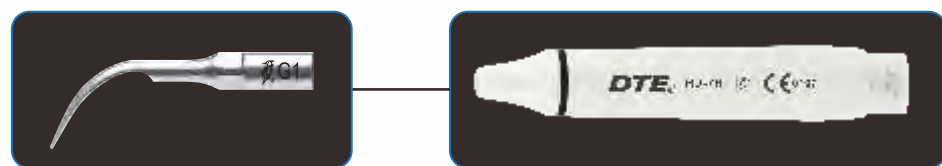
More powerful than you imagine




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.



The comparison between Woodpecker tip and disposable tip made in China

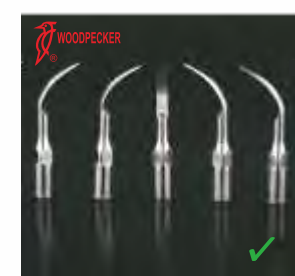


Woodpecker tip spray evenly, effective cleaning and cooling

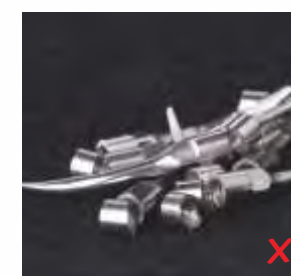


The water spray slanting more than 70% of disposable tip, unable to clean the teeth and cool the tip

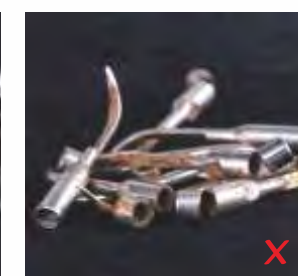
The comparison between Woodpecker tip and disposable tip made in China



After 300 cycle sterilized, there isn't any rust on Woodpecker tip, No crack after working 1000 hours



Tips of poor quality start to be cracked after one-hour working, the cracking rate within 10 hours is 35%.

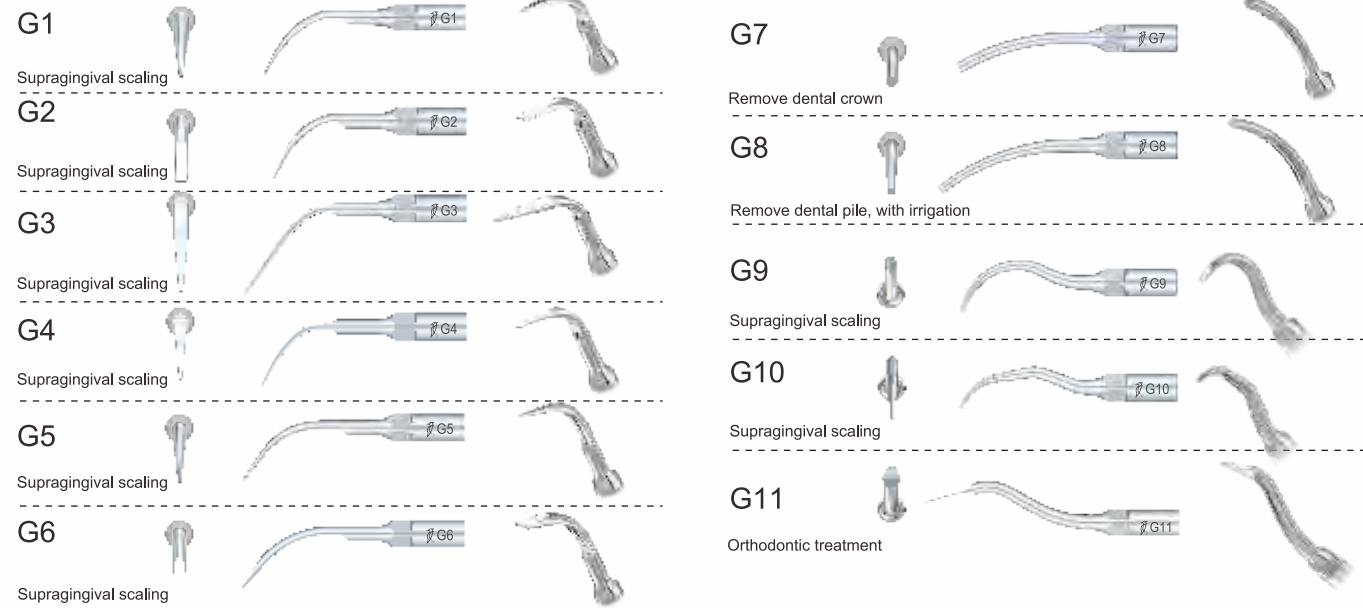


After working 6 minutes, Tips of poor quality started to crack, after 12 hours, all the tips are cracked

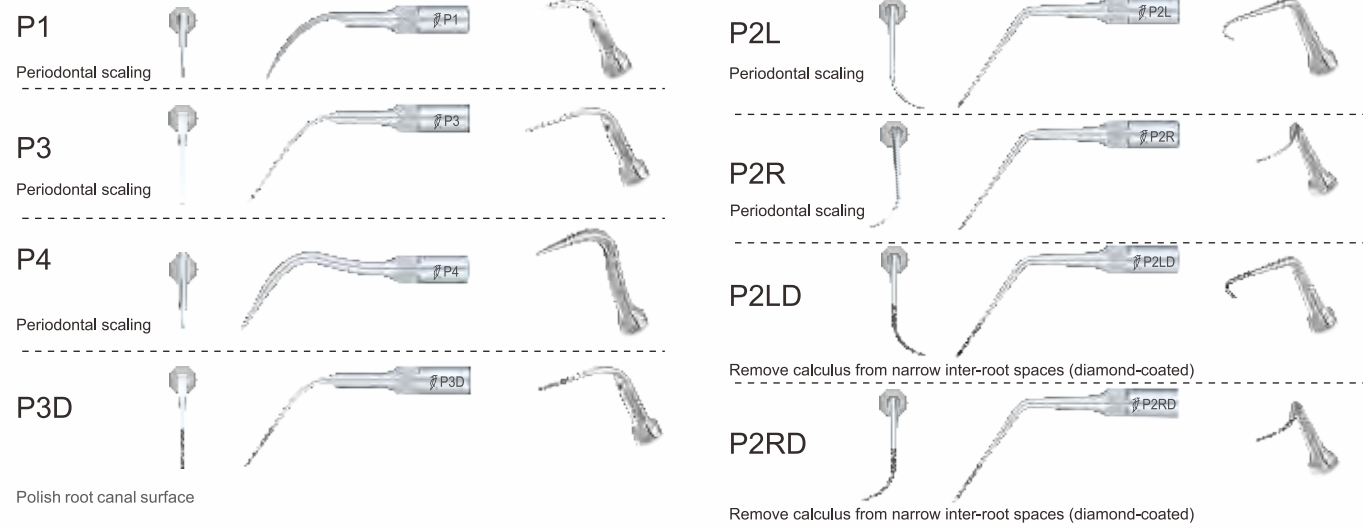
If the cracked tip were swallowed by patients, will cause serious medical accidents  
To guarantee the safety of you and your patients, please choose original Woodpecker tip

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

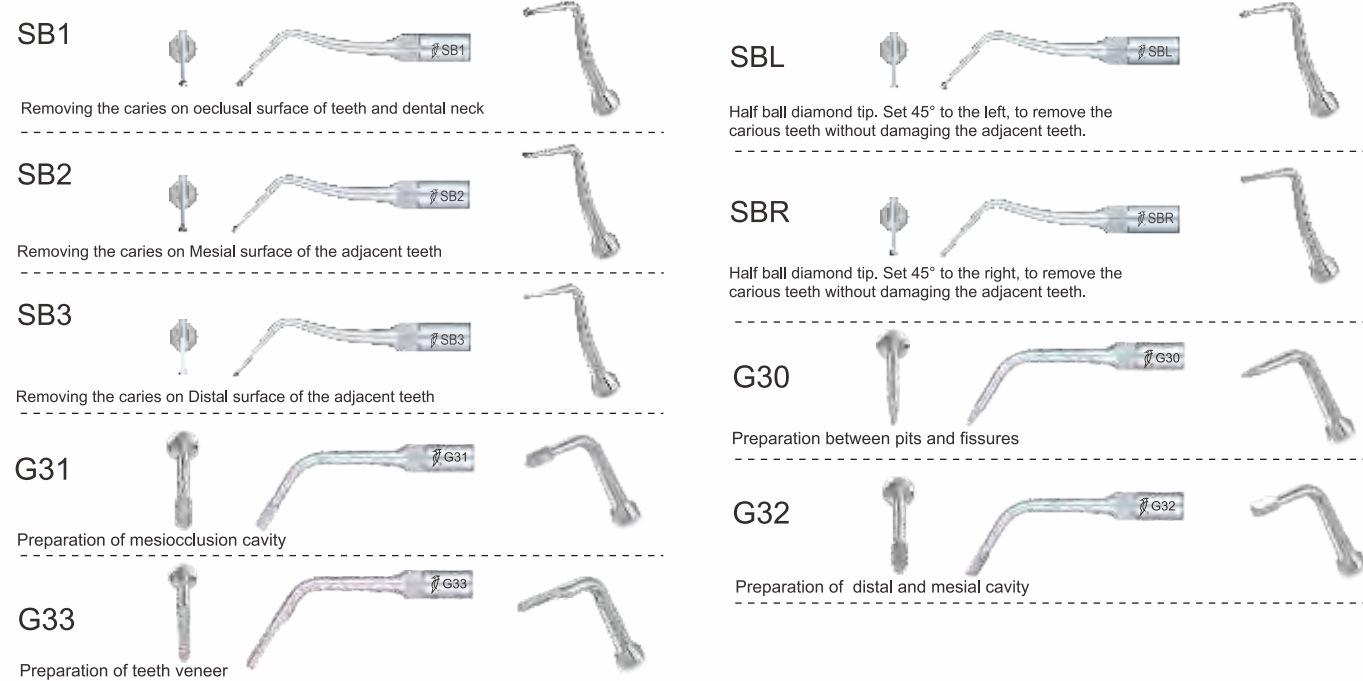
## Scaling



## Periodontics



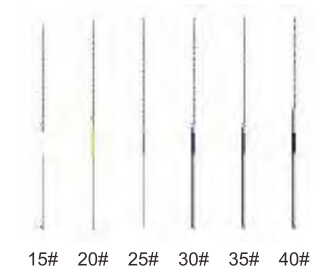
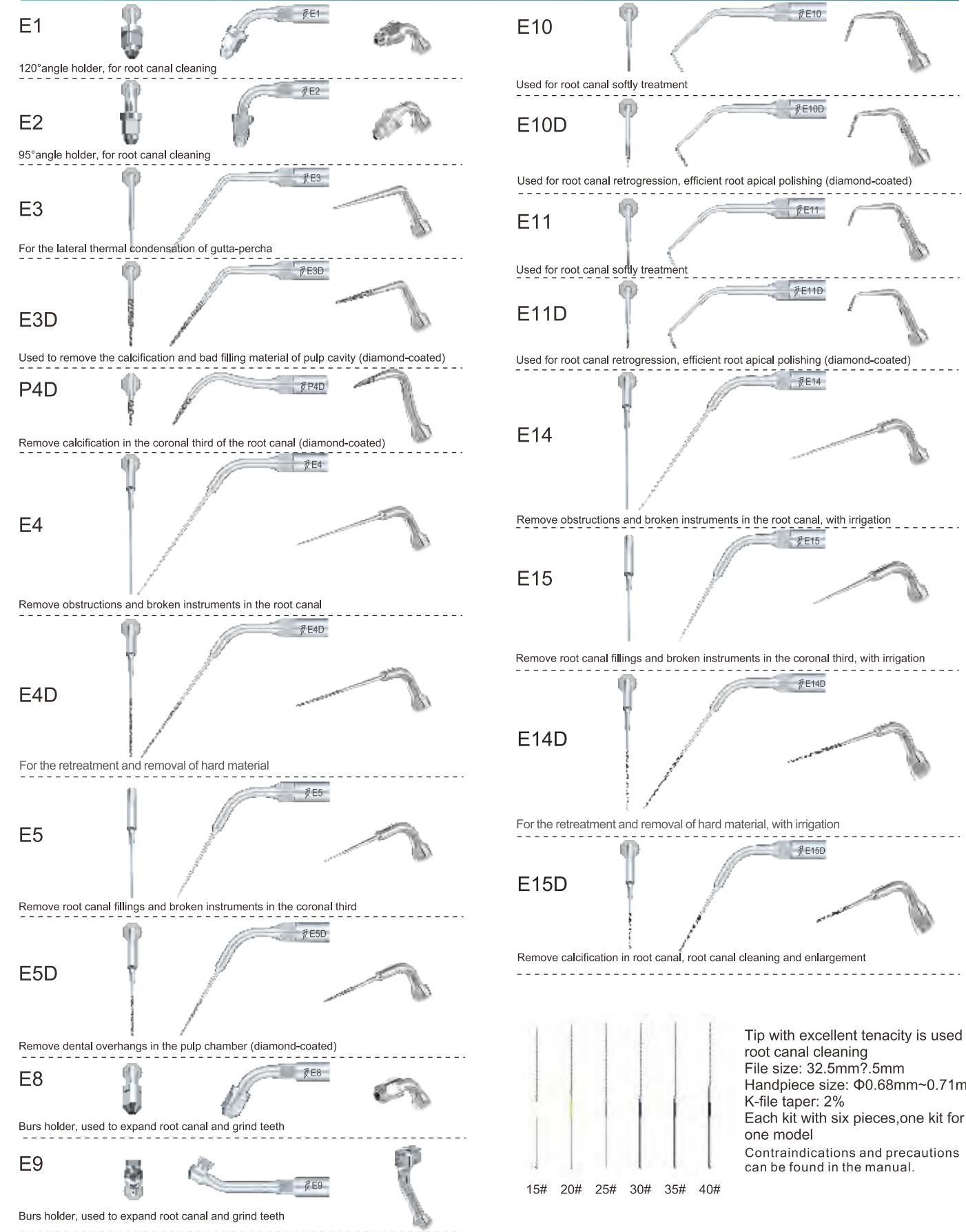
## Cavity preparation



## Shoulder preparation



## Endodontics

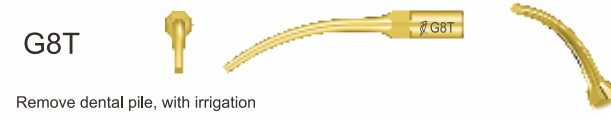


Tip with excellent tenacity is used for root canal cleaning  
 File size: 32.5mm±.5mm  
 Handpiece size: Φ0.68mm~0.71mm  
 K-file taper: 2%  
 Each kit with six pieces, one kit for one model  
 Contraindications and precautions can be found in the manual.

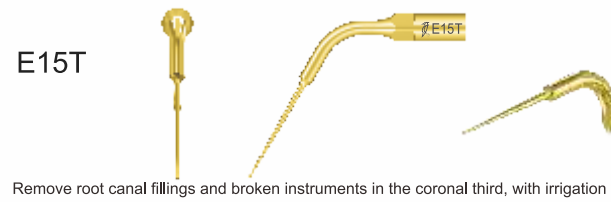
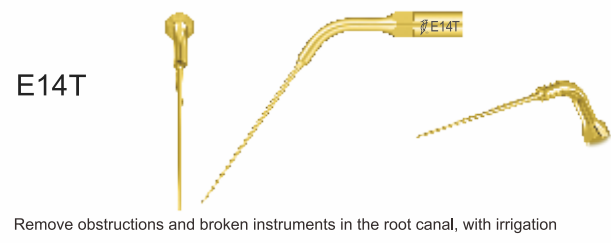
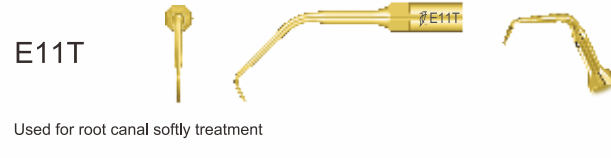
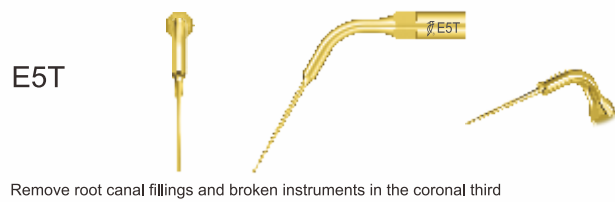
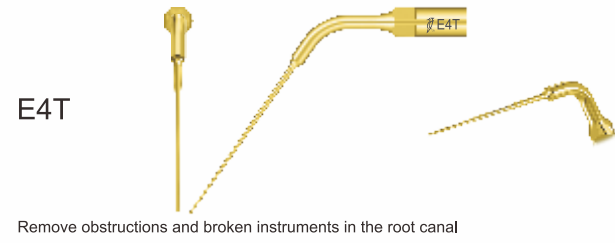
15# 20# 25# 30# 35# 40#



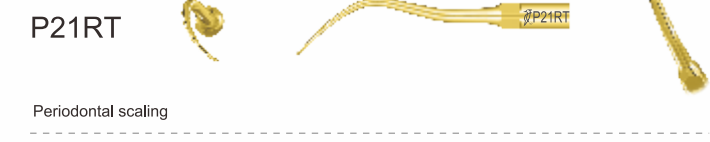
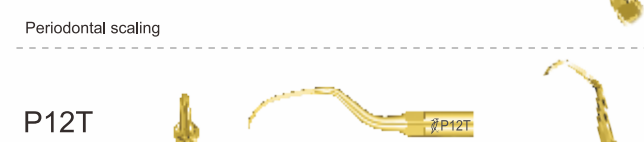
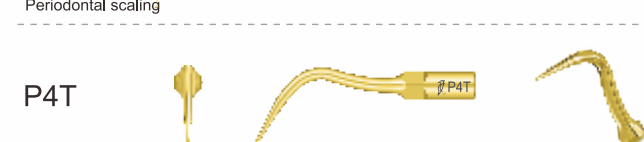
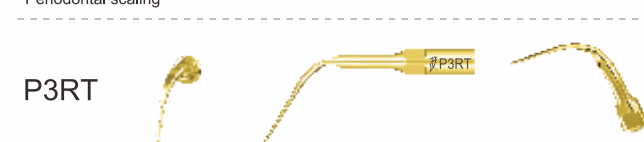
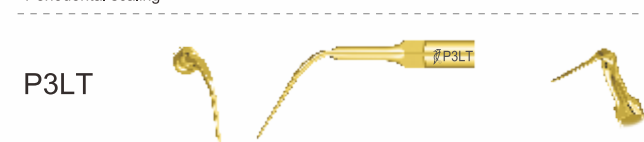
## Scaling



## Endodontics



## Periodontics *New!*



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



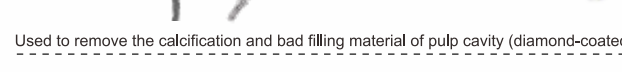
ES2  
95° angle holder, for root canal cleaning



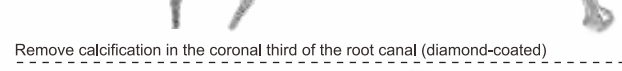
ES3  
For the lateral thermal condensation of gutta-percha



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)



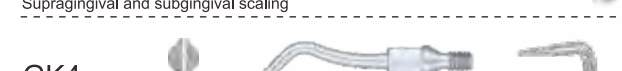
GK1  
Supragingival and subgingival scaling



GK2  
Supragingival and subgingival scaling



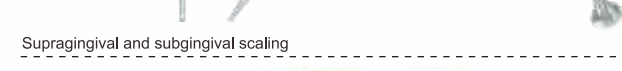
GK3  
Supragingival and subgingival scaling



GK4  
Supragingival and subgingival scaling



GK5  
Supragingival and subgingival scaling



GK6  
Supragingival and subgingival scaling



GK7  
Supragingival and subgingival scaling



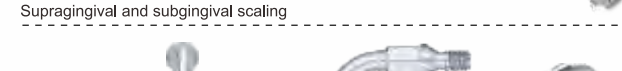
GK11  
Orthodontic treatment



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



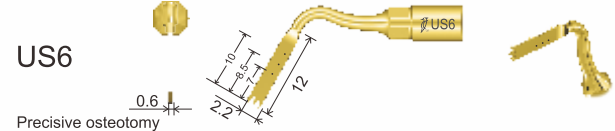
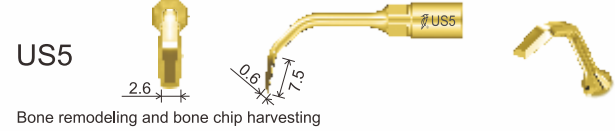
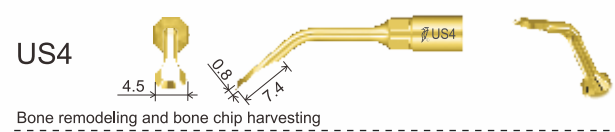
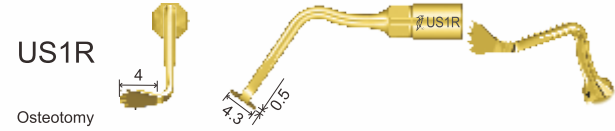
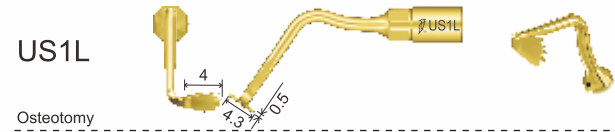
A2  
Supragingival scaling



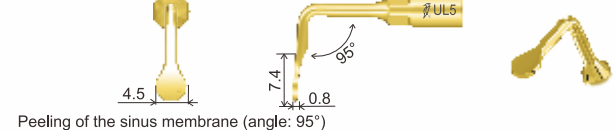
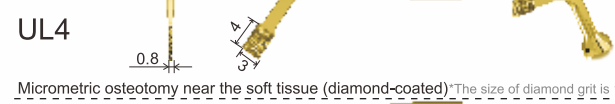
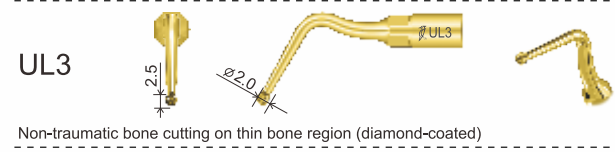
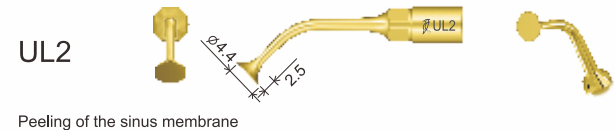
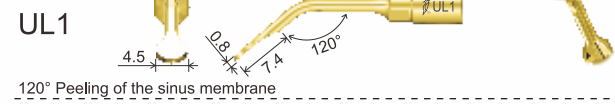
A1T  
Supragingival scaling



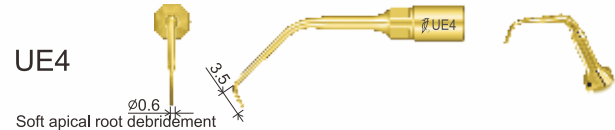
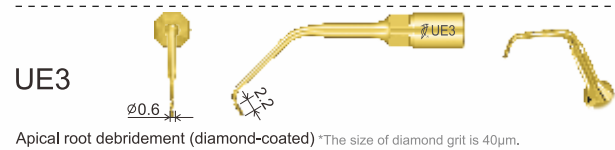
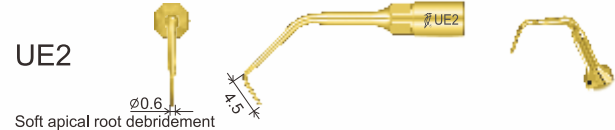
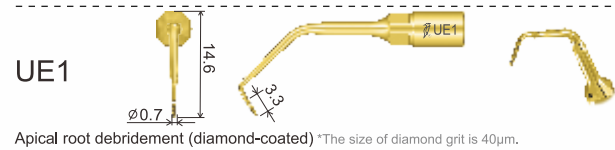
## Bone surgery



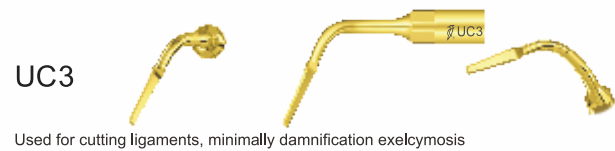
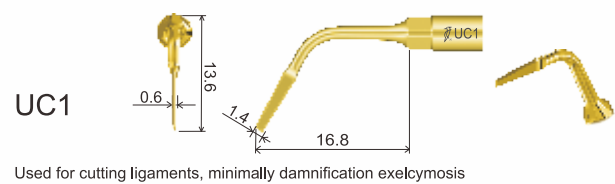
## Sinus lifting



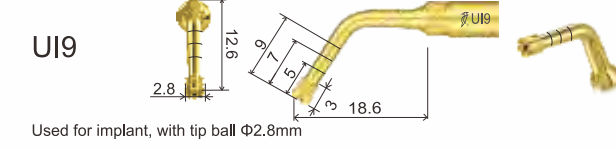
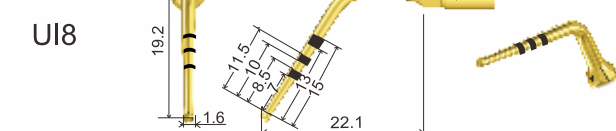
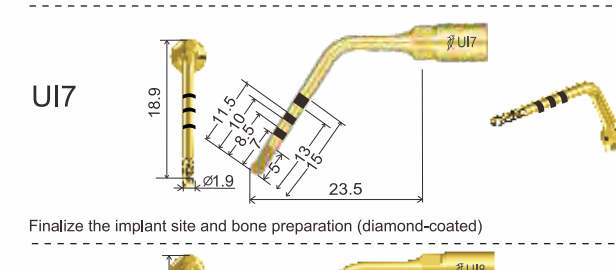
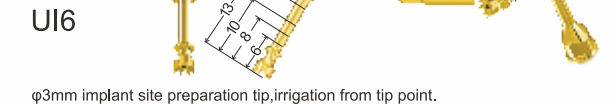
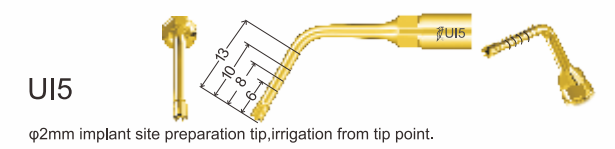
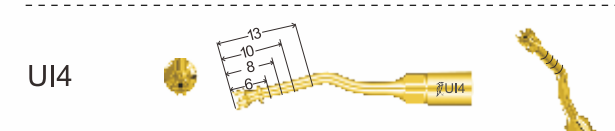
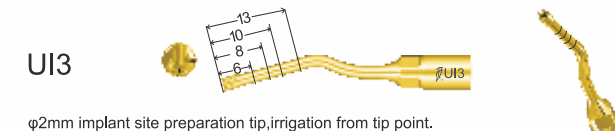
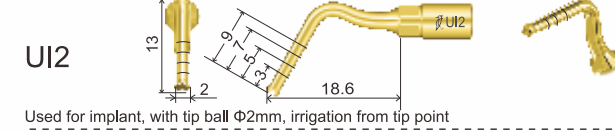
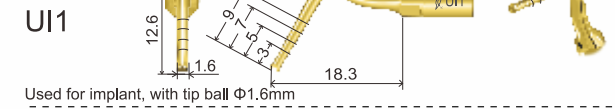
## Endodontic



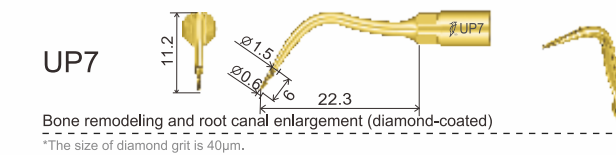
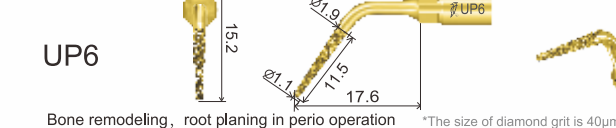
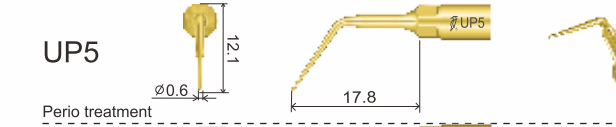
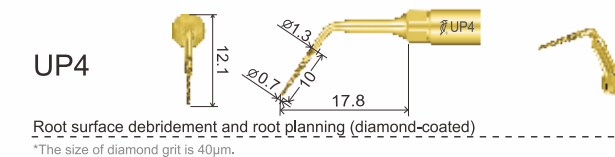
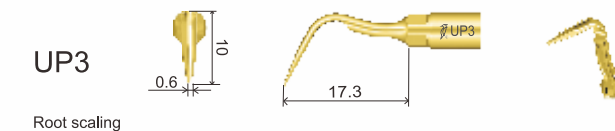
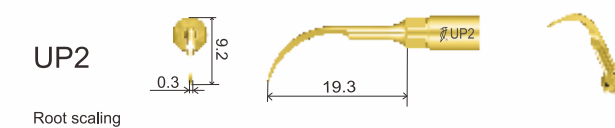
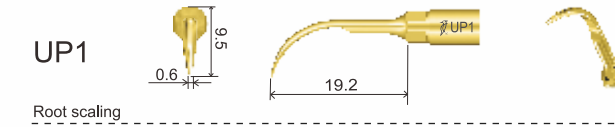
## Exelcymosis



## Implantation



## Periodontal surgery



## Ultrasurgery Tip Kit



## 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



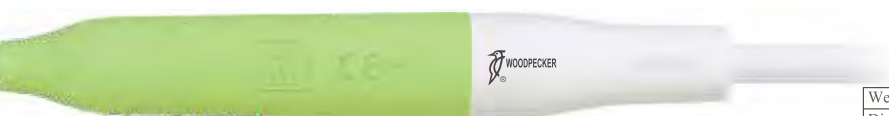
Weight	47g
Dimensions	117mm×Φ18mm

### HW-1C

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



· Three colours optional



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 colours optional



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-1

#### 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-5L Torque wrench**  
For Woodpecker and EMS scaler tips  
**TS-5L Torque wrench**  
For Sirona scaler tips  
**TK-5L Torque 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**



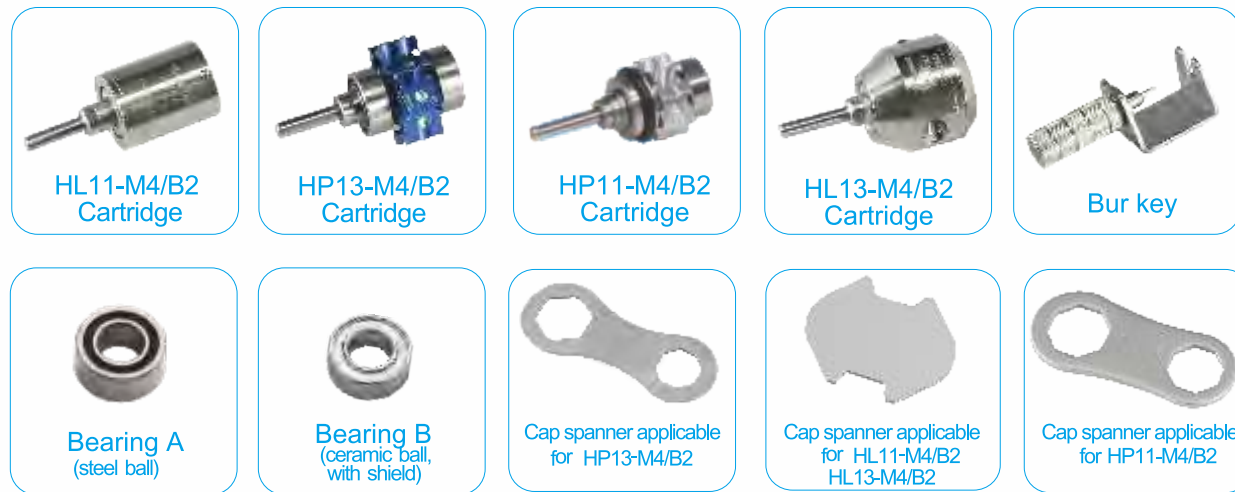
**Foot switch (square)**



**LED lamp**



## Spare parts for dental turbine handpiece



## Spare parts for apex locator



## Spare parts for ultrasurgery



## Spare parts for curing light



### 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.

