



200 Patents; 19 invention patents; Exported to 137 countries

Choice of Millions of Dentists Worldwide

WOODPECKER

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for more information



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2020 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，一件能让外国尊重，能让中
国人自豪的事。

吴勋贤 2008.1.17

Enterprise profile

Concentration

Since **1989**, Woodpecker has been concentrating on the R&D of dental products.
9 product categories, **80%** domestic market share, and exported to **137** countries.

Innovation

420 employees, **75%** are undergraduates, **78** R&D engineers.
200 national patents, **19** invention patents.

Scale

46287 m² existing manufacturing and research base, **100510** m² base under construction.
30 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 137 countries around the world



31 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 78 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.

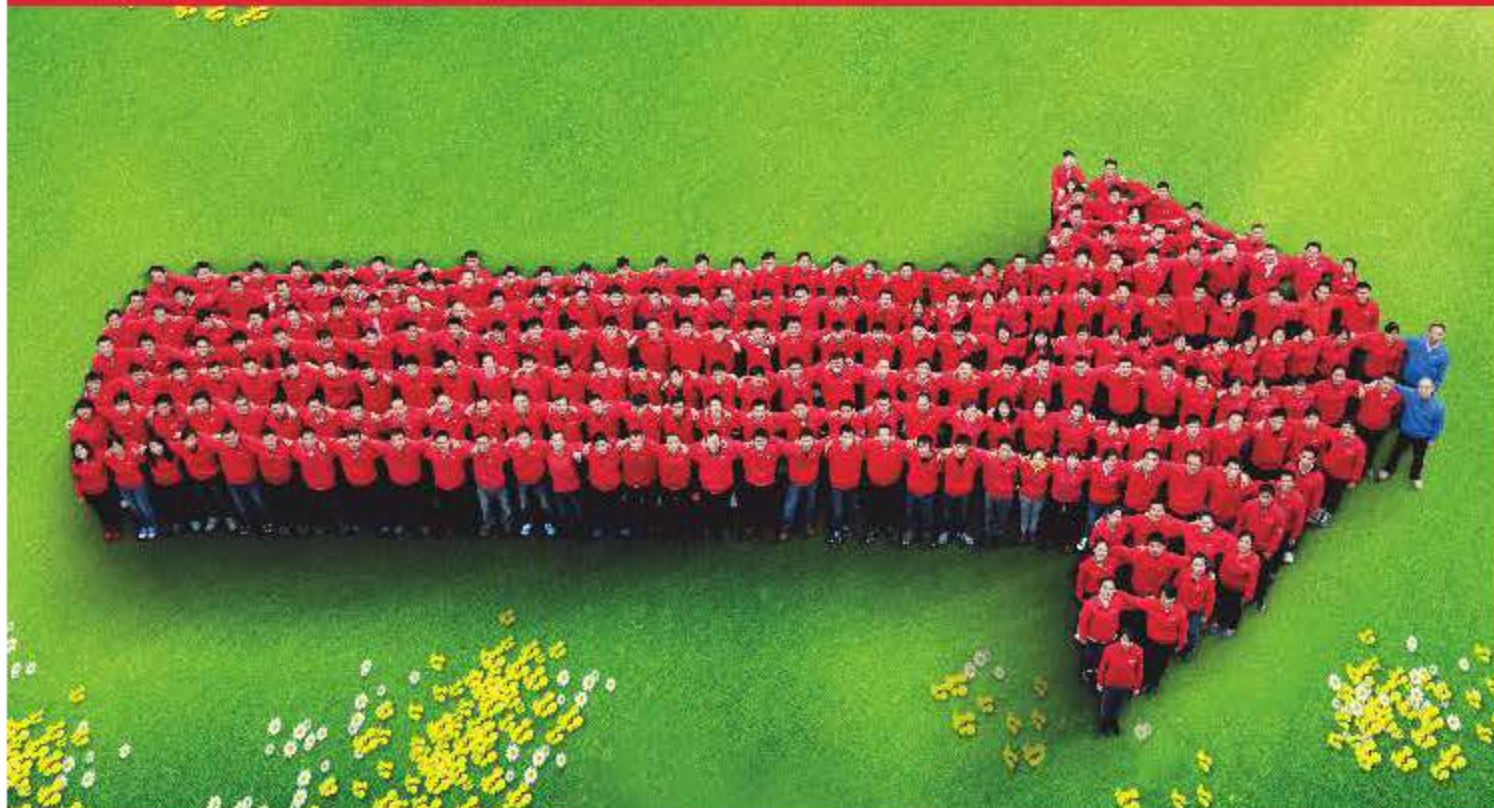
Professional R&D team for each product.

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

Woodpecker R & D center's structure



All staffs of Woodpecker



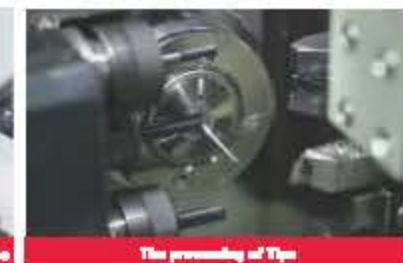
Advanced processing equipment in dental industry



The processing of core parts in 5-axis



The processing of high speed turbine templates



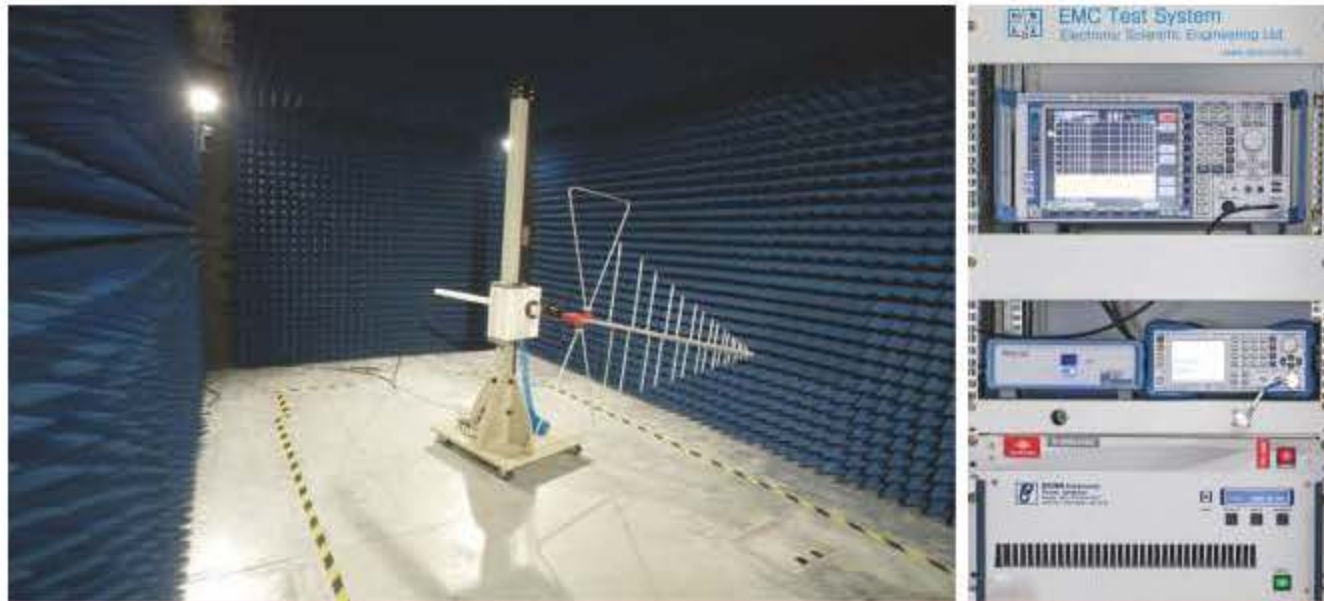
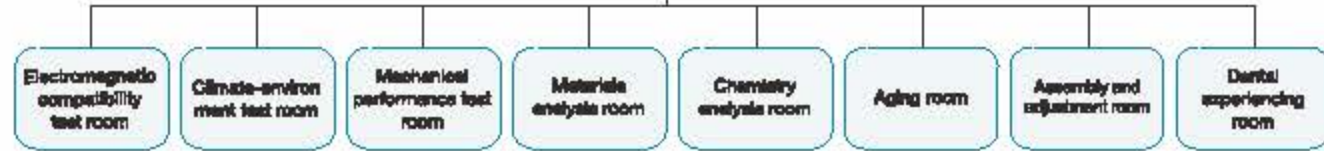
The processing of Tip

- 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.

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(0.01 um)



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



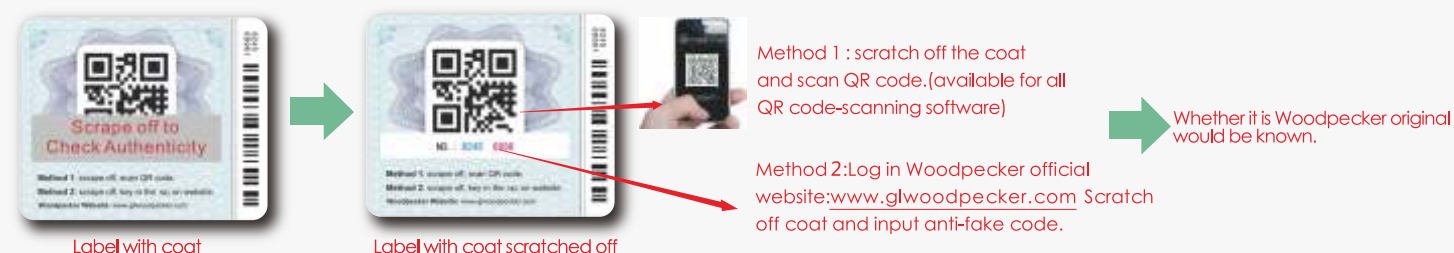
Profile gauge
 Imported from Japan
 For 3D measurement of precision parts



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

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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.

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New Arrivals

Ultrasonic Scaler

Apex Locator

Endo Motor

Curing light

Dental Turbine Handpiece

Ultrasurgery

Tips

Implanter

Swiss Motor

5.5Ncm motor torque can guarantee 80Ncm torque output

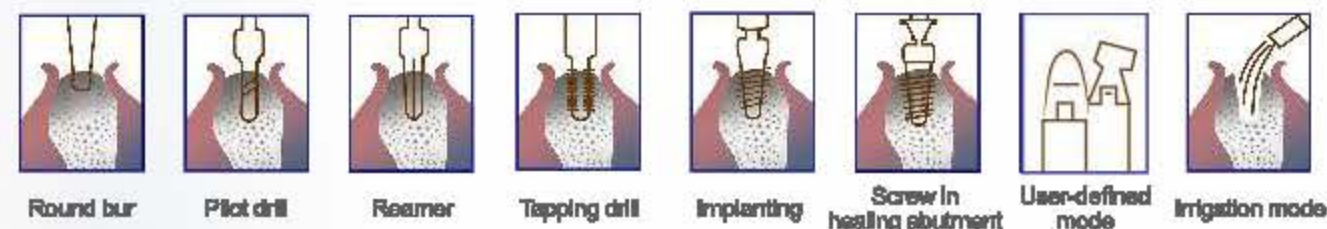
Germany bearing (Optional)

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



Simulated implanting procedures

Preset parameter of each procedure eliminates extra setting during operation.



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

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=6W
- **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)

Three wavelengths meet requirements of more treatments:

The innovative 450 nm blue laser technology is ideal for soft tissue cutting, ablation, coagulation and incision/excision. At 450 nm, the absorption constant of hemoglobin is two orders of magnitude for ordinary lasers (e.g. 980nm/810nm), making it only need very low laser power to complete the treatment, and the thermal damage during treatment is extremely low.

The 650 nm laser is used for low level laser therapy (LLLT) effects. It is also known as the photobiomodulation (PBM) effect. It will contribute to wound healing and bio-stimulation of dental surgery.

976nm is a traditional infrared dental laser. Due to its deep penetration in tissues, it is widely used for the reduction of bacteria in periodontal disease and endodontic diseases. At the same time, this wavelength is also suitable for high power laser treatment (HPLT) and pain reduction in TMJ.

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



Fi-P

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



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



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.



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

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



Fi-G

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



360 degree rotatable injection needle
Rotating freely to facilitate multi-angle filling



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



Dual screen display
Unique double displays design enables convenient operations in different angles and teeth positions.



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



i-Scan 4K

Wireless imaging plate scanner

- **Chairside solution**

7-inch HD capacitive touch screen
14.5cm width takes up little space
Scan, read films, process images and manage data directly in no need of computer or network

- **Mobile solutions**

The built-in wireless network function allows you to read films anywhere easily on a variety of devices (such as desktops, laptops, iPads, mobile phones, etc.)



- **Ultra-clear image provides the most reliable diagnosis**

Up to 20lp / mm of detail recognition and level 65536 of gray scale resolution are almost the same as that of conventional films. In order to ensure the most reliable diagnostic basis for dentists, i-Scan's gray scale resolution is 4 times of that of competitive products.



PT-A™

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



Effective protection of teeth surface

The hardness of the powder is much lower than that of the tooth enamel, so the scaling treatment can better protect the teeth, avoiding tooth surface damage caused by traditional over-scraping, and making the treatment more endurable for patients.



Thorough removal of plaque

Air polishing can achieve significant scaling effect in the occlusal surface, adjacent surface, orthodontic brackets and other difficult-to-clean areas.

Reduce plaque and pigment adhesion

After ultrasonic scaling or manual scaling, patients are likely to feel that the teeth surface is rough and uneven. The main function of air polishing is to polish teeth surface. After polishing, the tooth surface is smoother, and the plaque and pigment are less likely to adhere to it.



WORLDWIDE LAUNCHING — PT 3

PIEZOELECTRIC CERAMICS PAINLESS PERIODONTAL TREATMENT DEVICE

11 invention patents **102** national patents

31 years of research on ultrasonic scaling

Treatment effect:



Save scaling

Tip amplitude is about 20-80 μ m, equivalently third of diameter of a single hair. Excellent sci-tech outcome assures your save and painless treatment.



Implant maintenance P95

Implant cleaning and maintenance

PT 3 main specifications:

Frequency: 28000Hz

Tips hardness: 30HRC

Vibration amplitude: 20-80 μ m

Treatment depth: 14mm

Equipped with: 2 handpieces+10 tips



PT 5 PAINLESS PERIODONTAL

Piezoelectric Ceramic 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 seal 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 efficient.</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
 Vibration amplitude: 20—80um
 Tips hardness: 30HRC
 Treatment depth: 14mm



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
 Long life span



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



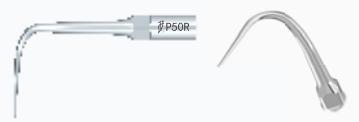
Diamond coated(40µm), used to remove the calcification in the coronal third of the root canal and used in E mode.

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.

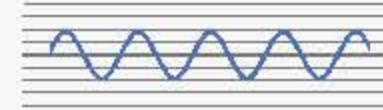
Root canal irrigation is the most widely used clinical support methods. Its purpose is to remove the substance inside root canal, dissolve diseased tissue, remove pathogenic microorganisms, and remove smear layer. Lubricate the root canal internal wall. During root canal preparation process, prevent 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 especially 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 ossification and lead 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 lip 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 directly, can use directly tip in small power, with a smooth vibration and low noise characteristic.



G30

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



G31

Diamond-coated(40µm), used for preparation of mesioocclusal 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 mesioocclusal 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 lip for periodontal pocket with 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 is hard to reach the outer area of preparation and polishing.



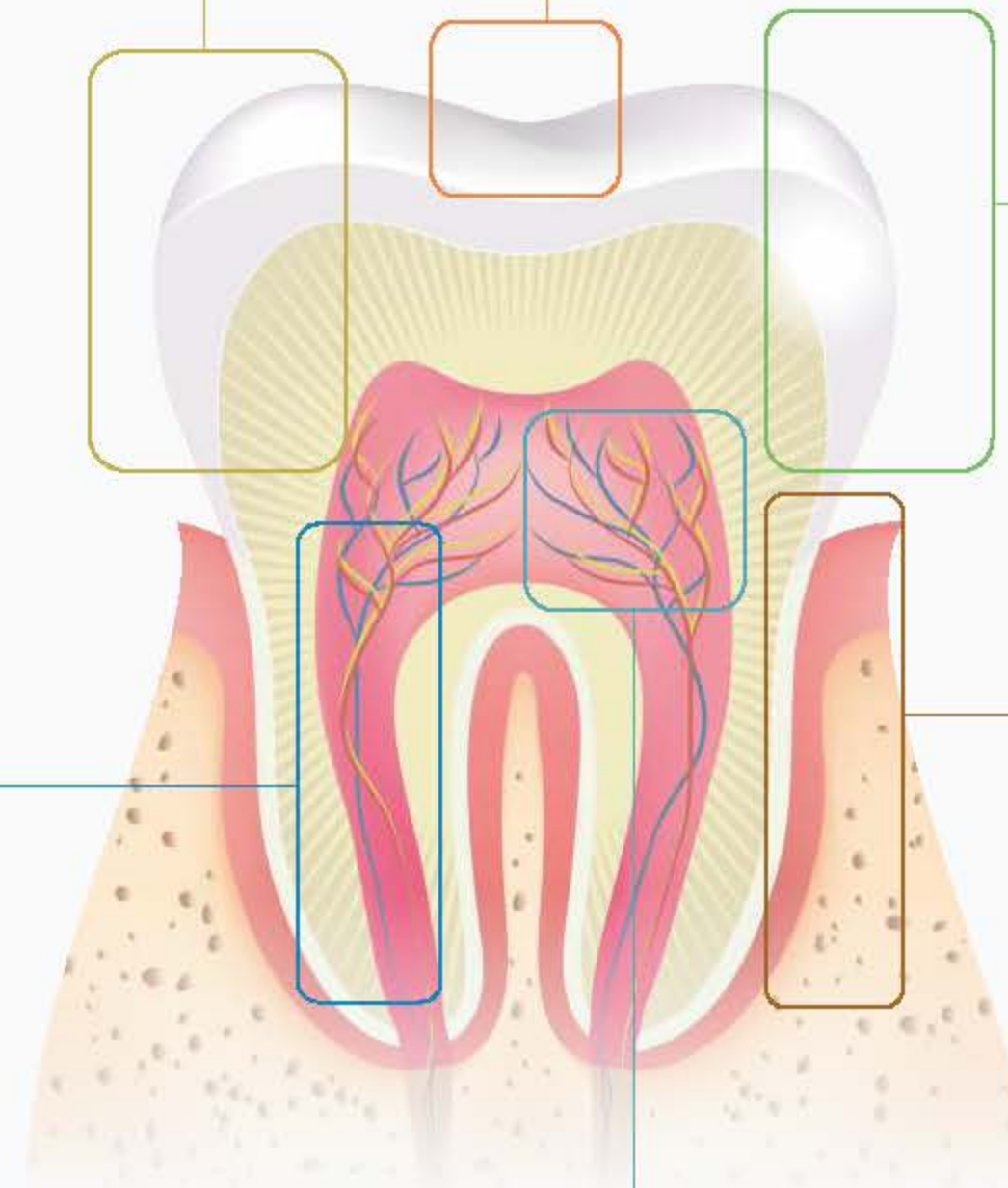
P4

Efficient removal of subgingival calculus within 2mm



P3D

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

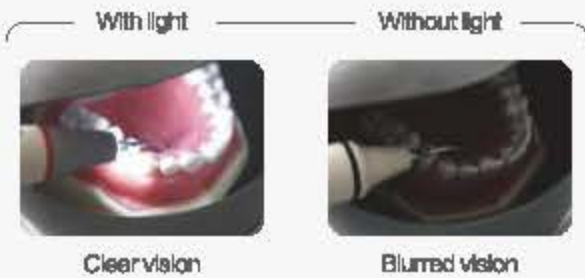


UDS-E LED

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

Use of anti-rust 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: 38VA
 Transformer weight: 1.0kg
 Frequency: 28kHz ± 3KHz
 Dimensions: 170mmX111mmX86mm

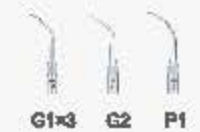


UDS-J

- 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~6bar(0.01MPa~0.6MPa)
 Main unit Input: ~24V 50HZ 1.3A
 Main unit weight: 0.88kg
 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



G1x2 G2 G4 P1

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: 190mmX125mmX80mm



E1 G1x2 G2 G4 P1

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.

Built-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: 190mmX125mmX80mm



G1x3 G2 P1

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



E1T G1Tx2 G2T G4T P1T

UDS-N3 LED

Match detachable handpiece HW-6L

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



E1 G1x2 G2 G4 P1

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



G1x2 G2 G4 P1

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-9L

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



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



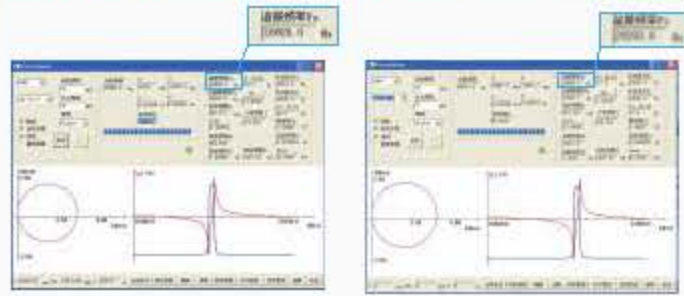
Main unit input: ~24v 50hz
 Water pressure: 0.01MPa-0.5MPa
 Frequency: 28KHZ+ 3KHZ
 Main unit weight: 650g
 Dimensions: 197mmx174mmx74mm



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

Compatibility of tip

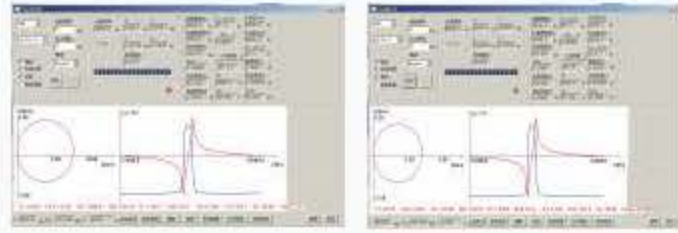
The working frequency range of Swiss E brand: <math>< 32000\text{Hz}</math>



Woodpecker tip can perfectly match E brand scaler

Compatibility of handpiece

Woodpecker: Resonant frequency 29.2634Hz E brand: Resonant frequency 29.2634Hz



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.



98

APEX LOCATOR WOODPEX V

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

Endo Smart+

New Generation More than accurate

Woodpex V

More stable, stronger anti-Interference ability

25 National Patents 8 Invention Patents



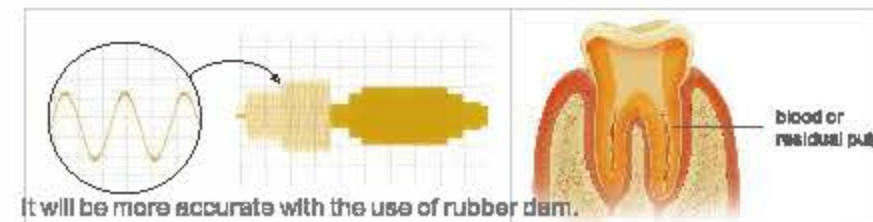
More than accurate



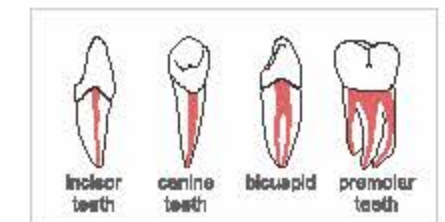
Newly upgraded algorithm makes it more stable and enables stronger anti-Interference ability.



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 plane, because of different angles, easily getting wrong data.

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



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

Minipex 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 x 82mm x 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

1st Brushless ENDO MOTOR

Ai-Motor

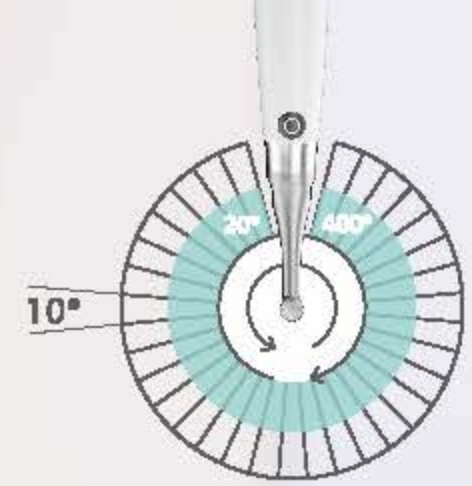
- Super mini head & Slim neck
- Stronger power
- Precise rotation
- Lower noise
- Balanced Weight



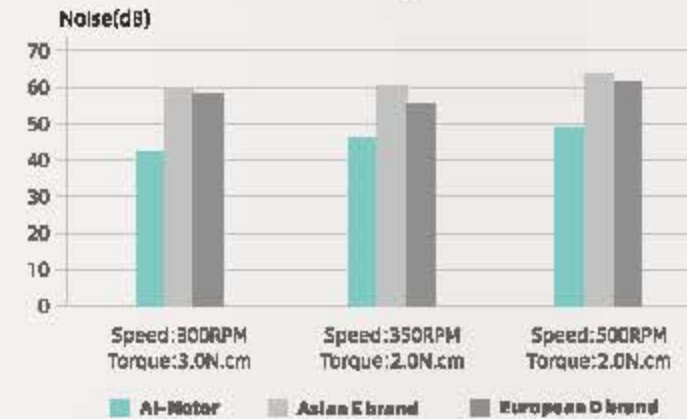
Speed range : 100-1200 RPM
 Torque range : 0.4-5.0N.cm
 Reciprocating angle
 adjustment range : 20°-400°

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.

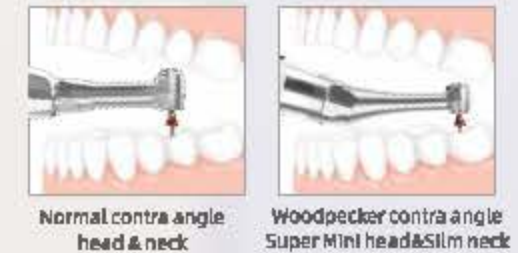


Smooth rotation and lower noise make
 treatment more endurable for patients.



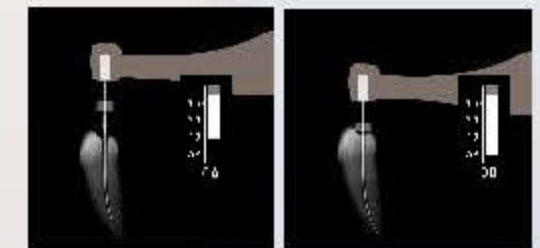
Super Mini Contra-angle

Super mini head,
 with a diameter of 8mm
 and a height of 9.7mm, brings
 clear vision during operation.



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 x10

Built-in over 30
 mainstream file system

Front center-of-gravity

6:1

6:1 Contra-angle



2000mAh Lithium battery



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

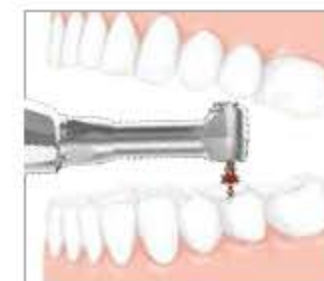


Speed range : 100-1200 RPM
Torque range : 0.4-5.0N.cm
Reciprocating angle
adjustment range : 20°-400°

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 & 5mm 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 tall 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

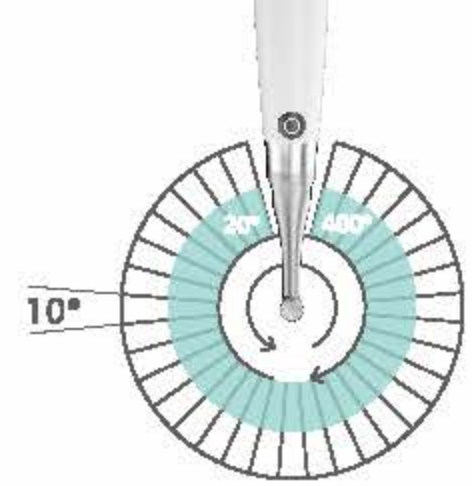
- Super mini head & Slim neck
- Stronger power
- Precise rotation
- Lower noise
- Balanced Weight



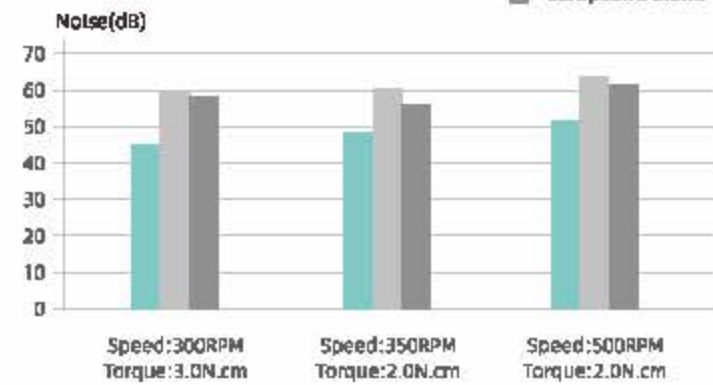
Speed range : 100-1200 RPM
 Torque range : 0.4-5.0N.cm
 Reciprocating angle
 adjustment range : 20°-400°

High performance brushless motor

Adjustable reciprocating angle
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 Accurate rotating angle reduces risk of instrument
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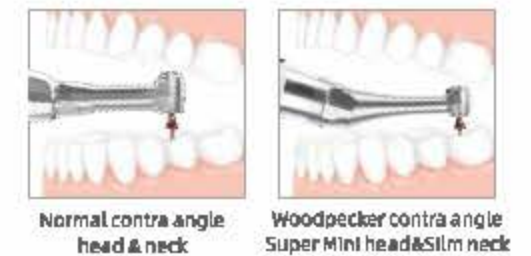


Smooth rotation and lower noise make
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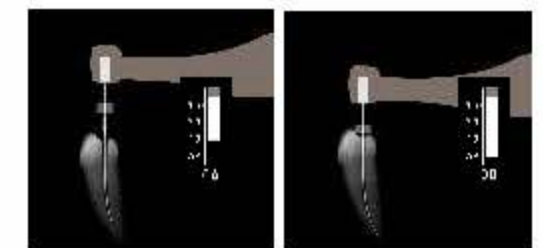
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 Start and Auto Stop functions respectively enable motor to
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↑↑
 Service life of motor:
 Brushless Endo Motor=Brush Endo Motor x10

>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

Endo Smart +

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



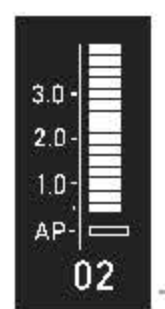
Speed range : 100-1000 RPM
Torque range : 0.4-5.0N.cm
Reciprocating angle
adjustment range : 20°-400°



6:1
Super mini contra-angle
Super mini contra-angle
allows clearer operation field.

Combined length determination mode

Endo Smart+ can be connected to the matched Apex locator to realize apex locating function.
By connecting the Endo Smart + to the matched Apex locator, the position of the file tip inside the canal can be monitored during the procedure and many automatic functions such as Auto Apical Reverse can be activated.



- Apical Motion Reversing Auto Apical Reverse/Stop
- Auto Start ON Auto Start
- Auto Stop OFF Auto Stop
- Apical Slow Down ON Auto Apical Slow Down



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



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

Integrated length determination

The EndoMatic combines with the length measuring function.

This feature makes endodontic treatment safer.

The file position is shown in the display screen

The Endo motor stops rotating or reversely rotates as soon as
the file reaches the APICAL POINT.



a. Auto Start

Automatically start when the file is inserted into the
canal and stop when the file is taken out.

b. Auto Apical Reverse and Auto Apical Stop

Automatically reverse /stop when the APCAL POINT
is reached.

c. Auto Apical Slow-down

The file Slows down as it gradually approaches the
APCAL POINT.

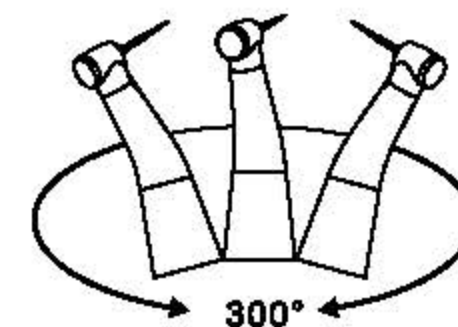


All-angle OLED screen

Without viewing angle limit, clear display can be
guaranteed even under strong light.

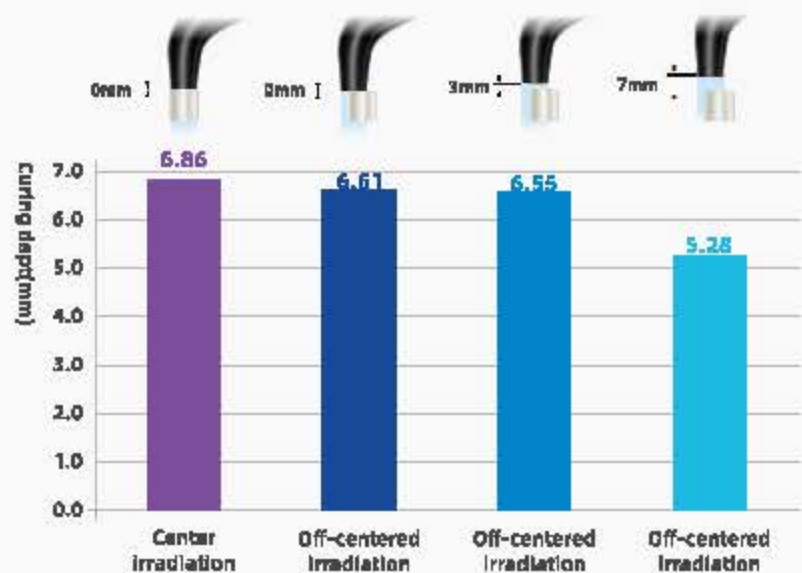


Adjustable Contra-angle



Off-centered Irradiation can also achieve good curing depth

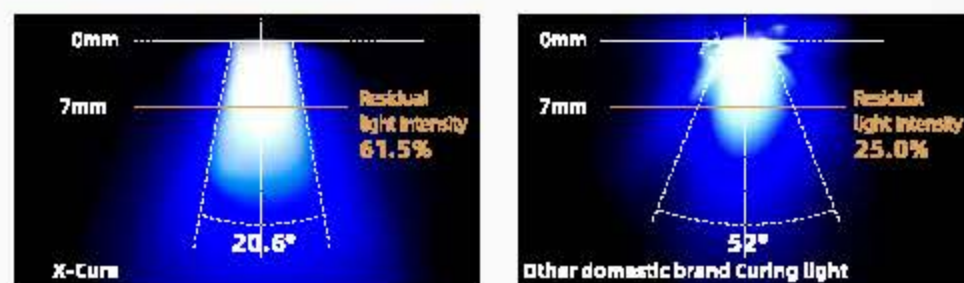
In the case of off-centered illumination, X-Cure also has excellent curing ability. Its curing depth can reach 5.28 mm even in the case of a center offset irradiation where is 7 mm away from the resin.



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%

Curing Expert

X-Cure

iled_{plus}

Wide spectrum High light intensity Focused light

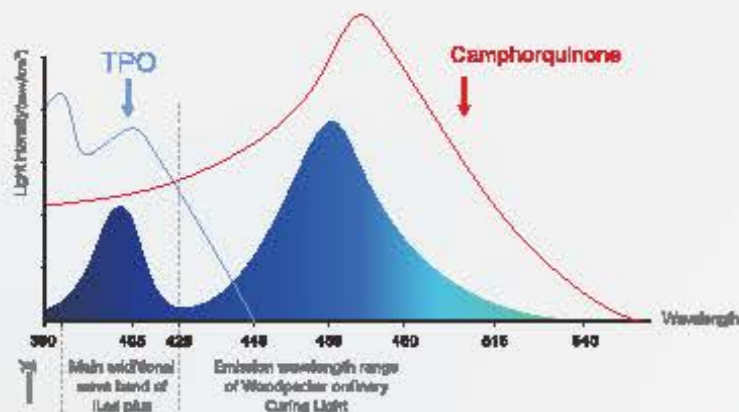
Upgraded light intensity

Two modes for option; with the maximum light intensity of 2300mw/cm², curing 2 mm resin in 1s, which makes it especially suitable for orthodontic brackets, porcelain veneers and post-core adhesives.

Upgraded wide spectrum

The emission wavelength range of iLed plus Wide Spectrum Curing Light is 385nm-515nm, mainly adding the wave band of 385nm-420nm. The additional band can better curing the resin materials containing new-style photoinitiators such as TPO. For example, restoration materials such as Tetric N - Ceram Bulk Fill (Ivoclar), Amelogen Plus (Ultradent), and ENA Hri (Micarium). The additional wave band can also reduce the risk of resin shedding and incomplete curing.

iLed plus Spectral Curve and Resin Spectral Absorptivity



The light absorbing peak of traditional materials (containing camphorquinone, the red line above), is 460nm, so the curing can be done both ordinary Curing Light and Wide Spectrum Curing Light. However, the camphorquinone is yellowish and it is not suitable to add large amount of it to bleached resin or light-colored resin. The light absorbing peak of new material (including TPO, the blue line above) is 405 nm. iLed plus owns additional wave band of 385nm-420nm which can better curing these materials. TPO is white and is suitable for being added to bleached resins and light-colored resin.

Upgraded focused light output

Unique Woodpecker technology of focused light output reduces 55.87% light angle, allowing more concentrated energy and higher curing efficiency.





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 6w LED. The maximum light intensity can reach 2000mw/cm² 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.

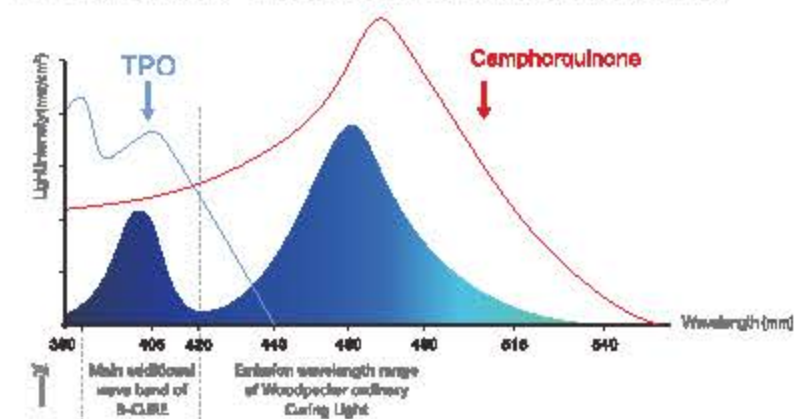
Ortho mode

In the orthodontics mode that is unique to B-Cure, the light intensity automatically adjusts to 2000mw/cm².

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.

B-CURE Spectral Curve and Resin Spectral Absorptivity



Wide Spectrun Curing Light

LED.F PLUS

Updated with wide-spectrum LED

Fifteen years of Curing Light technological research and development
Wide Spectrum LED Curing Light LED.F Plus 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.

3 SECONDS FOR CURING
Up to 1800mW/cm²
HIGH INTENSITY



Characteristic

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

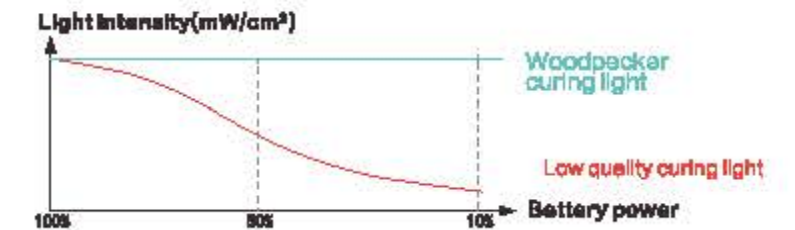


Constant light intensity

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

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

Power Input	AC100V-240V 50Hz/60Hz
Light output	400mW/cm ² -1800mW/cm ²
Net weight	210g
Dimensions	40mm×150mm×195mm



Light Hood

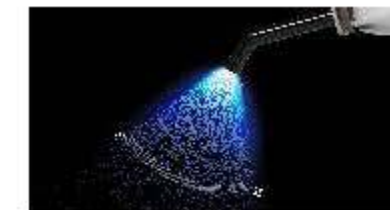
Studies prove that Blue-ray will cause macular degeneration to retina and eyes.

Woodpecker light hood is made of selected quality materials, rejecting Blue-ray injury.



Optical Fiber

Constant light intensity, smaller angle.
Can be autoclaved under 134°C high temperature and 0.22MPa high pressure, effectively avoiding cross infection.



Battery

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

Please visit Woodpecker official website (www.gtwoodpecker.com), click on video and watch Battery High Temperature Test.



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/cm²-1800mW/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/cm²-1800mW/cm²
 Net weight 143g
 Dimensions 284mm×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 283mm×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 600 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 201130178281.3

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.



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

LED.Q (Built-in sealed)

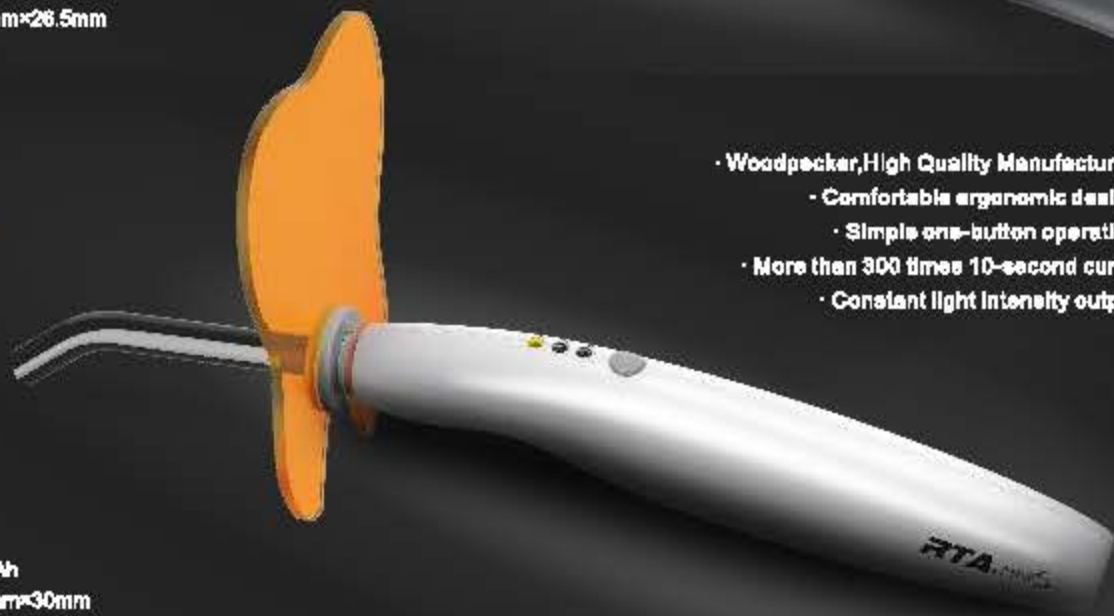
- Sealed, connect to dental unit.
- Time setting: 10s, 20s, 30s.
- Working mode: Full.



Power Input ~24V 60Hz/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 290mm*28mm*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 0.22 Mpa high pressure, effectively avoiding cross infection.



BATTERY



Woodpecker lithium battery with CE certification, more reliable, no explosion.

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

Battery produced by unknown manufacturer will easily cause safety accidents. Please use Woodpecker certified battery (www.woodpecker.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%**.

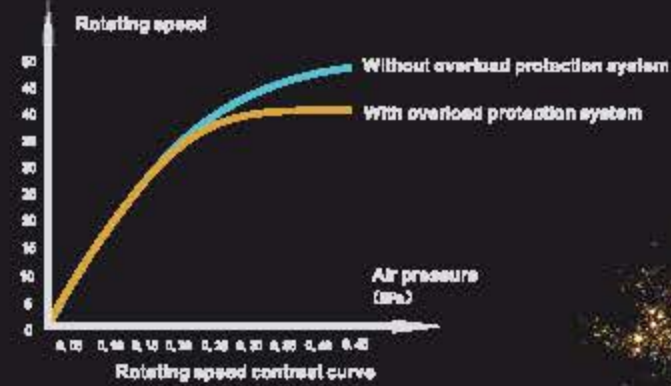
THE CHAMPION AMONG EXCELLENCES

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 riddle 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

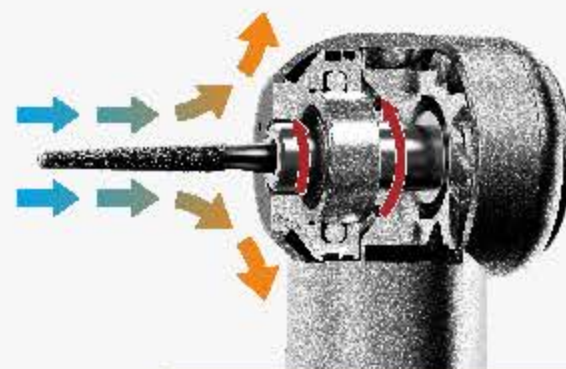


Three-hole atomization Better cooling effect

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 axle 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	19.4mm	13.1mm	12.0mm
Head diameter	Φ12.0mm	Φ11.2mm	Φ11.2mm
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



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



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 μm 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**



US-II LED

Woodpecker core technology, reliable cutting efficiency professor

38 patents, 9 invention patents

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

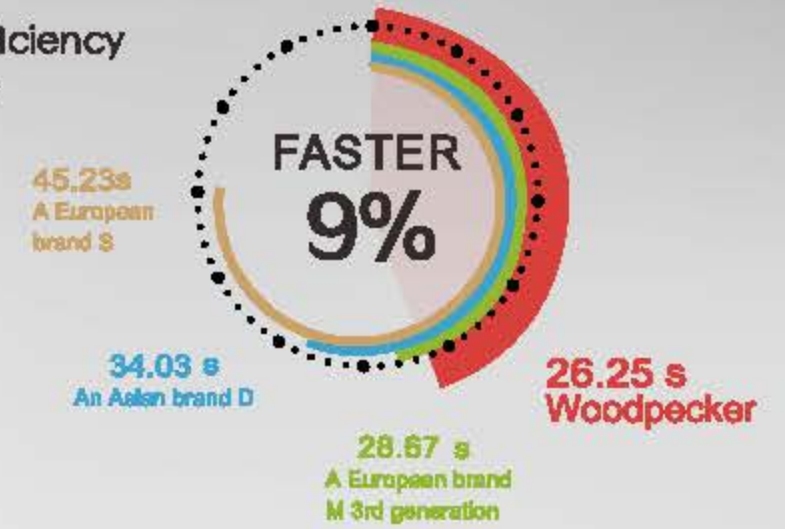
Exported to 89 countries, including Germany, Switzerland, Italy etc.



Technical parameters

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

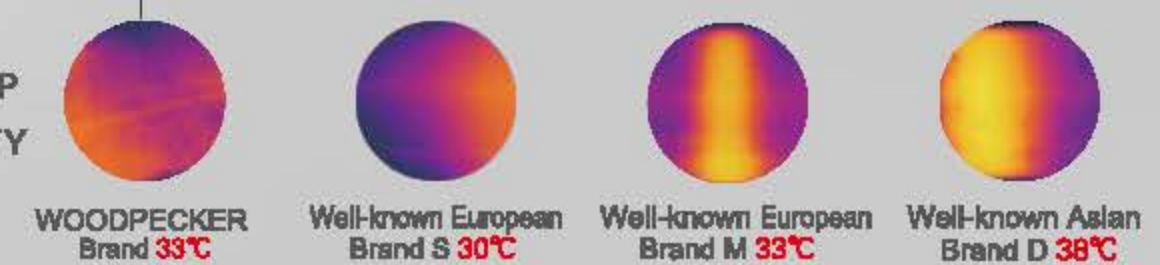


Micrometric cuts, Selective cuts, No harm to soft tissue

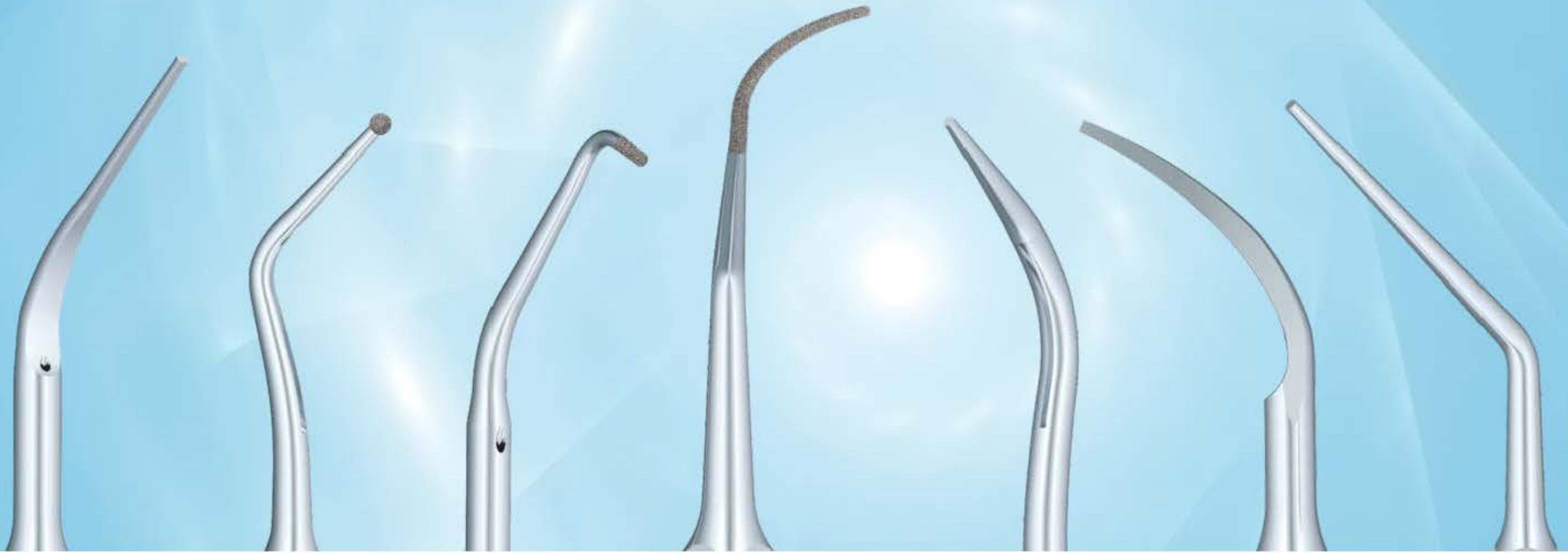


HIGHLIGHT LAMP
CLEAR VISIBILITY

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.



**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	G7		Remove dental crown
G2		Supragingival scaling	G8		Remove dental pile, with irrigation
G3		Supragingival scaling	G9		Supragingival scaling
G4		Supragingival scaling	G10		Supragingival scaling
G5		Supragingival scaling	G11		Orthodontic treatment
G6		Supragingival scaling			

Periodontics

P1		Periodontal scaling	P2L		Periodontal scaling
P3		Periodontal scaling	P2R		Periodontal scaling
P4		Periodontal scaling	P2LD		Remove calculus from narrow inter-root spaces (diamond-coated)
P3D		Polish root canal surface	P2RD		Remove calculus from narrow inter-root spaces (diamond-coated)

Cavity preparation

SB1		Removing the caries on occlusal surface of tooth and dental rest	SBL		Half ball diamond tip. Set 45° to the left, to remove the carious tooth without damaging the adjacent teeth.
SB2		Removing the caries on Mesial surface of the adjacent teeth	SBR		Half ball diamond tip. Set 45° to the right, to remove the carious tooth without damaging the adjacent teeth.
SB3		Removing the caries on Distal surface of the adjacent teeth	G30		Preparation between pile and fissure
G31		Preparation of mesiodistal cavity	G32		Preparation of distal and mesial cavity
G33		Preparation of tooth veneer			

Shoulder preparation

G20		Abrade dentin	G21		Fine repair and polish the prepared shoulder
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Endodontics

E1		120° angle holder, for root canal cleaning	E10		Used for root canal cavity treatment
E2		90° angle holder, for root canal cleaning	E10D		Used for root canal retrogression, efficient root apical polishing (diamond-coated)
E3		For the lateral thermal condensation of gutta-percha	E11		Used for root canal cavity treatment
E3D		Used to remove the calcification and bad filling material of pulp cavity (diamond-coated)	E11D		Used for root canal retrogression, efficient root apical polishing (diamond-coated)
P4D		Remove calcification in the coronal third of the root canal (diamond-coated)	E14		Remove obstructions and broken instruments in the root canal, with irrigation
E4		Remove obstructions and broken instruments in the root canal	E15		Remove root canal fillings and broken instruments in the coronal third, with irrigation
E4D		For the retreatment and removal of hard material	E14D		For the retreatment and removal of hard material, with irrigation
E5		Remove root canal fillings and broken instruments in the coronal third	E15D		Remove calcification in root canal, root canal cleaning and enlargement
E5D		Remove dental overhangs in the pulp chamber (diamond-coated)			
E8		Bus holder, used to expand root canal and grind teeth			
E9		Bus holder, used to expand root canal and grind teeth			



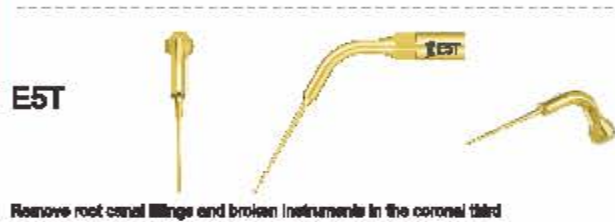
Tip with excellent tenacity is used for root canal cleaning
 File size: 32.5mm ± 0.5mm
 Handpiece size: φ0.88mm-0.71mm
 K-file taper: 2%
 Each kit with six pieces, one kit for one model
 Contraindications and precautions can be found in the manual.

160 200 250 300 350 400

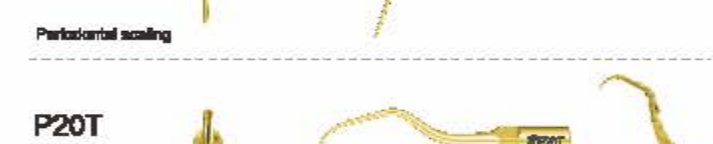
Scaling



Endodontics



Periodontics



Scaling (Used for SIRONA)



Supragingival scaling



Supragingival scaling



Supragingival scaling



Supragingival scaling



Supragingival scaling



Supragingival scaling



Removes dental crown



Remove dental pile, with irrigation

Endodontics (Used for SIRONA)



120° angle holder, for root canal cleaning



85° angle holder, for root canal cleaning



For the lateral thermal condensation of gutta-percha



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



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



Remove obstructions and broken instruments in the root canal



Remove root canal fillings and broken instruments in the coronal third



Burs holder, used to expand root canal and grind teeth



Used for root canal softly treatment



Used for root canal softly treatment



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



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

Periodontics (Used for SIRONA)



Periodontal scaling



Periodontal scaling



Periodontal scaling



Smoothing restorative overhangs and debris in-depth root (diamond-coated)

Scaling (Used for KAVO)



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Orthodontic treatment



Supragingival and subgingival scaling



Supragingival and subgingival scaling



Burs holder, used to expand root canal and grind teeth

Periodontics (Used for KAVO)



Subgingival scaling

Used for AMDENT



Supragingival scaling

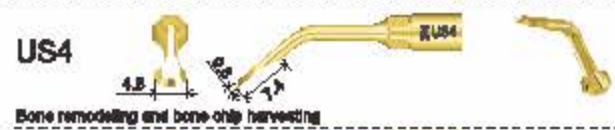


Supragingival scaling

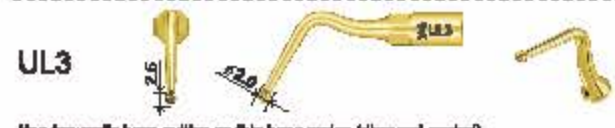


Supragingival scaling

Bone surgery



Sinus lifting



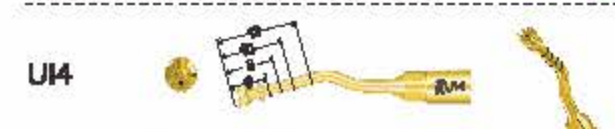
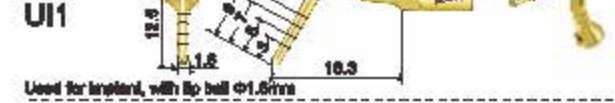
Endodontic



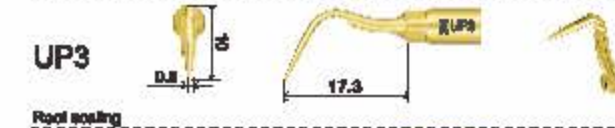
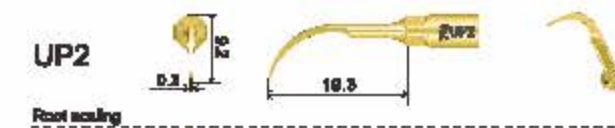
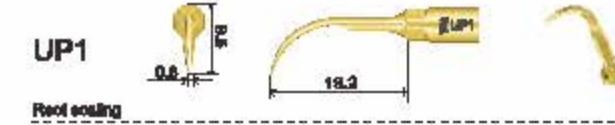
Exelcymosis



Implantation



Periodontal surgery



Ultrasony Tip Kit

Basic Kit	Sinus Lifting Kit	Bone Surgery Kit	Exelcymosis Kit	Periodontal Surgery Kit	Endodontic Kit	Implantation Kit
Includes: US2/US3 US4/US6/UC1	Includes: UL1/UL2 UL3/UL4/UL5	Includes: US1/US2 US1R/US1R/US6	Includes: UC1/UC2 UC3/UC4/UC5	Includes: US4/UP2 UP4/UP5/UP7	Includes: UE1/UE2 UE3/UE4/US4	Includes: UI1/UI2 UI7/UI8/UI9

Handpiece for Ultrasonic scaler

HW-6L

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



Weight	44g
Dimensions	111mm×Ø18mm

HW-6

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



Weight	52g
Dimensions	111mm×Ø17.5mm

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×Ø18.5mm



Weight	45g
Dimensions	105mm×Ø18.5mm

HW-3H

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



Weight	47g
Dimensions	117mm×Ø18mm



Weight	47g
Dimensions	117mm×Ø18mm

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×Ø26.4mm

HW-1L

• USED FOR: UDS-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×Ø28mm

HW-1

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



Weight	116g (+cable)
Dimensions	113mm×Ø18mm

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



TW-3 Wrench



TW-E1 Endo wrench
Used for changing the
ultrasonic U-tile 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



ULTRASURGERY handpiece: Cable and handpiece can be autoclaved together.

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.

