WOODPECKER

- Certified Management System
- EN ISO 9001
- EN ISO 13485

223 Patents; 19 invention patents; Exported to 134 countries

WOODPECKER

Since 1989

CATALOGUE

GUILIN WOODPECKER MEDICAL INSTRUMENT CO., LTD.

Choice of Millions of Dentists Worldwide

Scan and Login website
for more information

Add: Information Industrial Park, National High-Tech Zone,
Guilin, Guangxi, 541004 P. R. China
Tel: Europe Sales Dept.:+86-773-5873196, +86-773-2125222
North America, South America &
Oceania Sales Dept.: +86-773-5873198, +86-773-2125123
Asia & Africa Sales Dept.:+86-773-5855350, +86-773-2125896
Fax: +86-773-5822450
E-mail: woodpecker@glwoodpecker.com, sales@glwoodpecker.com
Web: http://www.glwoodpecker.com

EC REP MedNet GmbH
Borkstrasse 10 · 48163 Muenster · Germany

2019 1.0 Edition

WOODPECKER®

National high-tech enterprise

Choice of millions of dentists worldwide

Owner & CEO
Wu Xunxian

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

吴旭贤 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

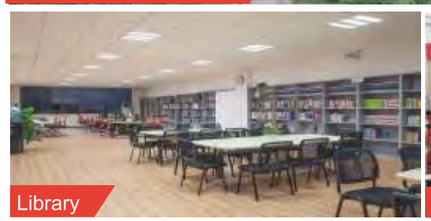
306 employees, **75%** of them are Graduates or above or above,
18.6% are full time R&D team, **223** Intellectual rights, **19** invention patents.

Scale

26841㎡ existing manufacturing and research base, **80000**㎡ base under construction.
27 million USD invested to build up full-automatic processing and testing center.

Aerial View of Company

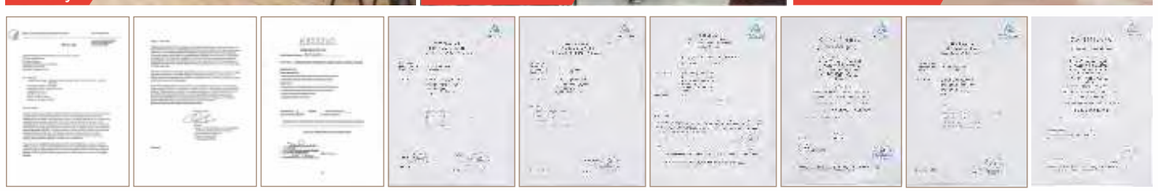
Office Building



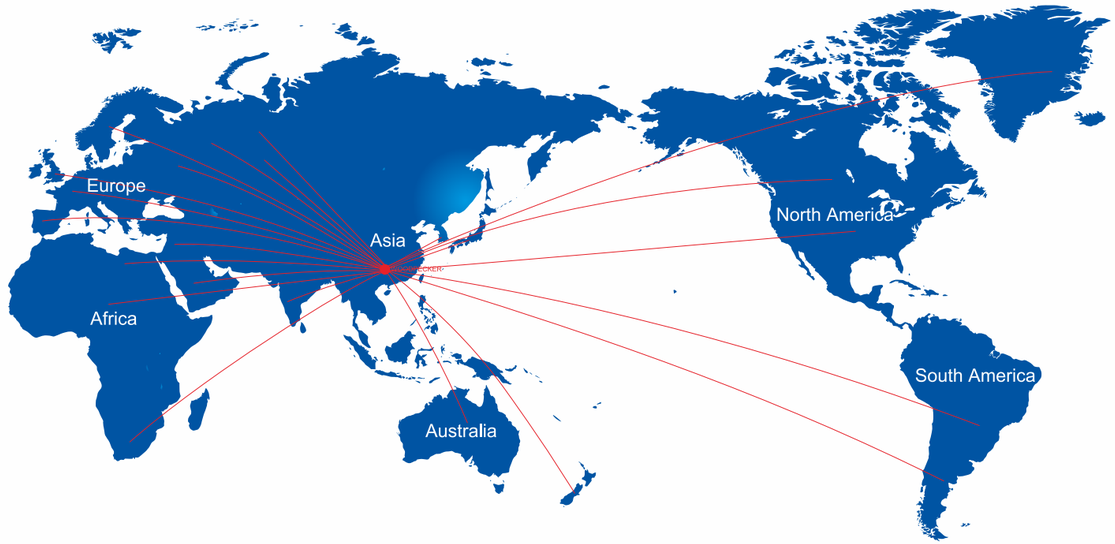
Library

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, 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, Indonesia, Jordan, Vietnam, Mongolia, Uzbekistan, Turkmenistan, Maldives

America 22 countries

Canada, Nicaragua, USA, Salvador, Argentina, Guatemala, Paraguay, Venezuela, Panama, Uruguay, Brazil, Chile, Bolivia, Cuba, Dominican, Puerto Rico, Ecuador, Costa Rica, Colombia, Honduras, Peru, Mexico

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

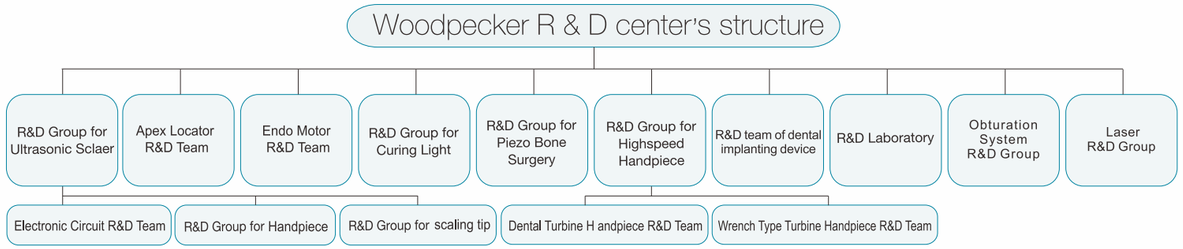
High – quality Durable Innovative

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

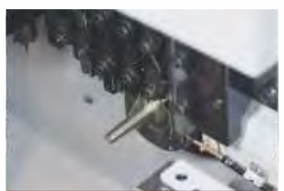
Professional R&D team for each product.

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



Advanced processing equipment in dental industry

The processing of core parts in handpiece



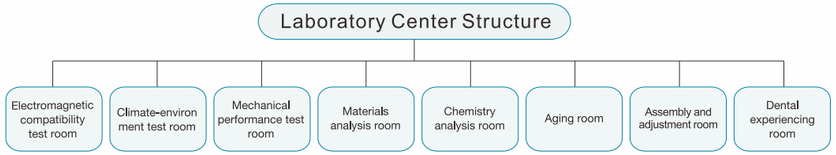
The processing of high speed turbine handpiece

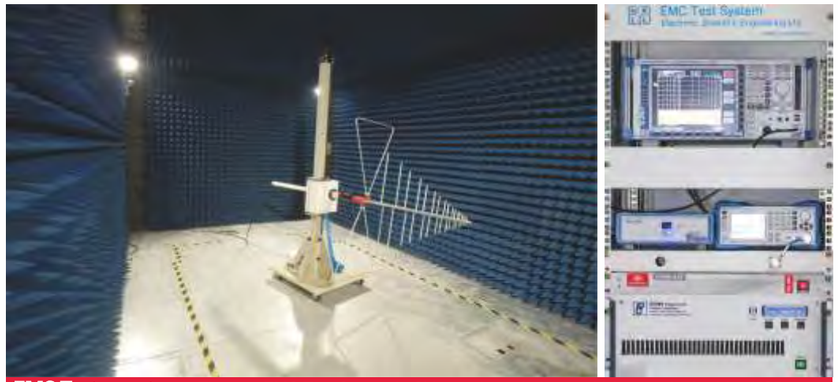
The processing of Tips

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

Leading laboratory in dental industry

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



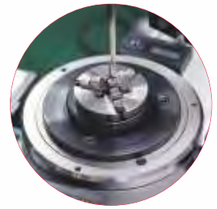


EMC Tester system The only EMC Test System in Chinese dental industry which costs 0.76 million USD.

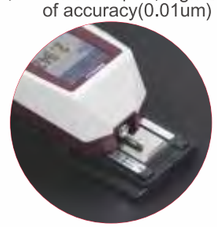
Mechanical Environmental Laboratory Simulate various extremely mechanical environments to ensure the quality of products.

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

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



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



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

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

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 loosing 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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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)

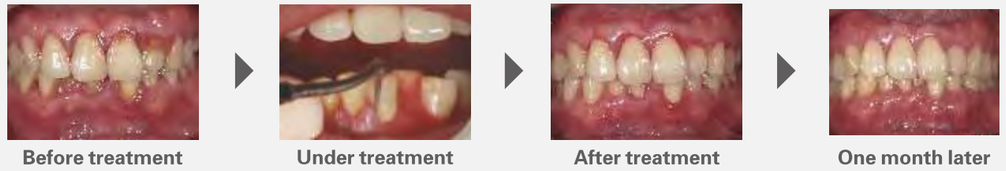
WORLDWIDE LAUNCHING — PT 3

PIEZOELECTRIC CERAMICS PAINLESS PERIODONTAL TREATMENT DEVICE

9 invention patents **101** national patents

30 years of research on ultrasonic scaling

Treatment effect:



Before treatment | Under treatment | After treatment | One month later

Save scaling

Tip amplitude is about 20-60μm, 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.

Endo scaling
(E51 E52)

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

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

Looking for root canal orifice
(E12D)

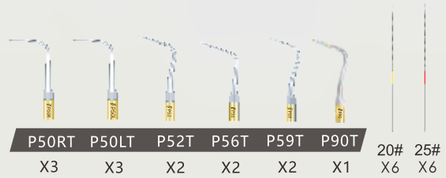
Diamond-coated, ball head, for looking for root canal orifice with security, accuracy and efficiency

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

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

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.

SPOILING YOU SO MUCH !

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

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.

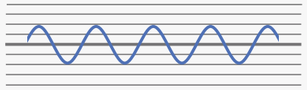
Root canal irrigation is the most widely used clinical support methods. Its purpose is to remove the substance inside root canal, dissolve diseased tissue, remove pathogenic microorganisms, and remove smear layer. Lubricate the root canal internal wall. During root canal preparation process, prevent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

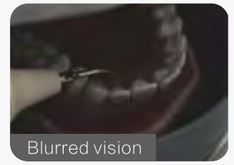
High-quality handpiece

Aluminum shell can be autoclaved,
causing no cracking or deformation

Advanced handpiece sealing technique enables long durability

User-friendly design brings better holding feeling

U600 LED with light



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 cannal.

E7

SPECIAL MATERIAL

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

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

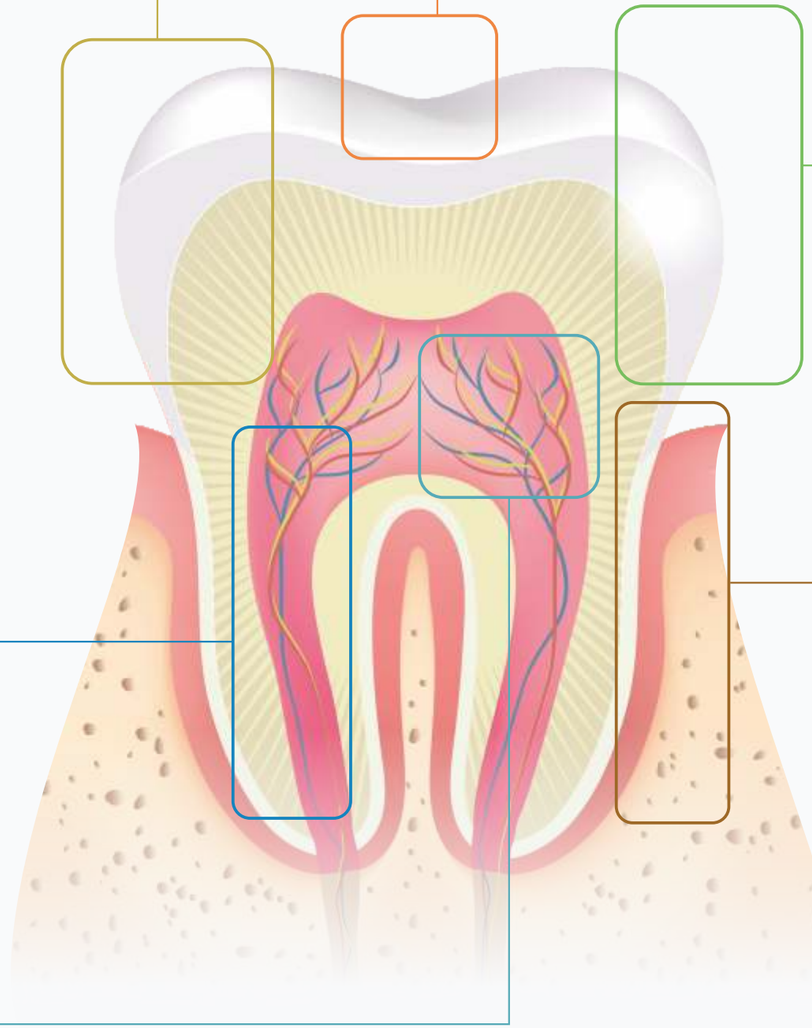
Used for supragingival scaling with smooth vibration and low noise

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 mesiocclusion 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 mesiocclusion cavity is completed with G31 , used for the cavity inside and outside which is hard to reach the outer area of preparation and polishing.

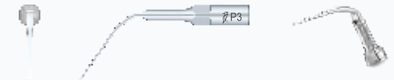
SB3

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 .

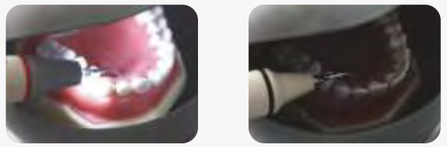
UDS-E LED

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

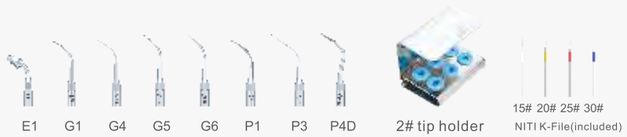
With light — Without light



Clear vision

Blurred vision

Endodontic irrigation



E1 G1 G4 G5 G6 P1 P3 P4D

2# tip holder

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

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

G1×2 G2 G4 P1

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

G1×3 G2 P1

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

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

E1 G1×2 G2 G4 P1

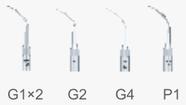
Woodpecker Built-in Ultrasonic Scaler
Special design for comprehensive dental chairs

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

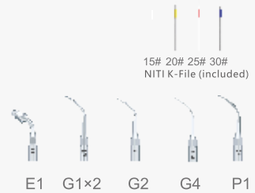


UDS-L LED

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

G1×2 G2 G4 P1

UDS-N2 LED

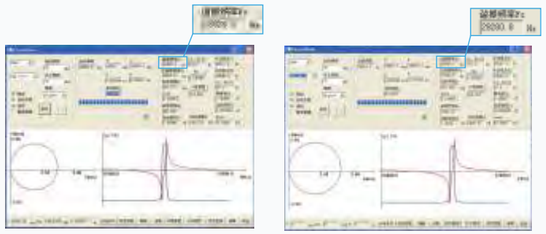
Match detachable handpiece HW-5L

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

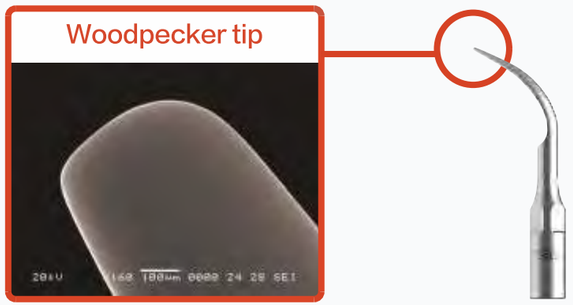
Compatibility of handpiece

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.

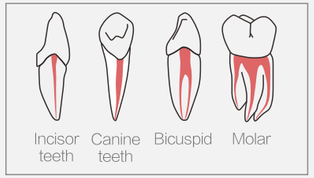
WOODPEX III Plus

Flexible apex dead point setting

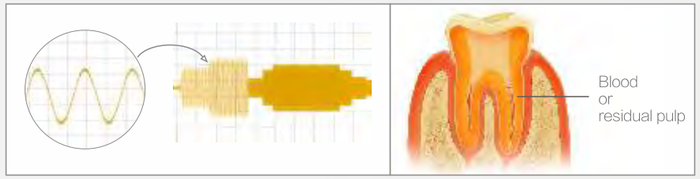
New dead point setting function allows setting as per professional needs

Timely remind operators of measuring distance

For all kinds of teeth

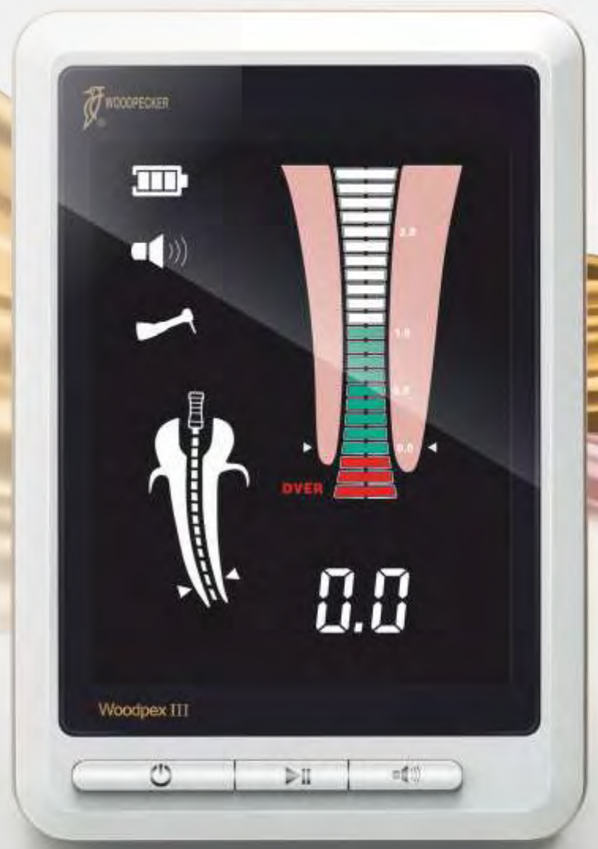


Multi-frequency measurement technology,
blood or residual pulp in root canal will not affect measuring accuracy.



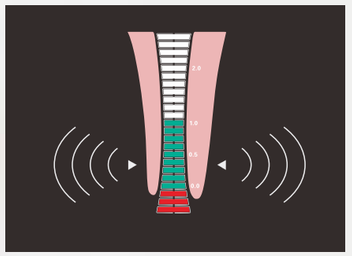
Stable performance

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

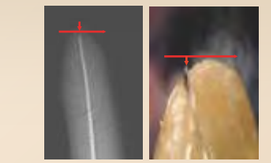
Battery: 3.7V/750mAh
Power consumption: ⩽0.5W
Screen: 4.5"LCD
Weight: 350g
Dimension: 84mm×88mm×112mm

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

Defects of traditional measuring methods

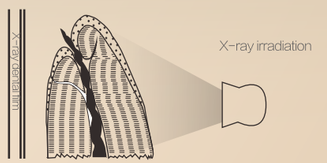
Defects of handing method
The doctor determines whether the device reaches the apical foramen according to the feeling of hand and pain of patient, which is of strong subjectivity and low accuracy. The accuracy is only about 42% within the error range of ± 0.5mm.

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.



X-ray dental film shows that the file has not reach foramen.

Actually the file has penetrated through the foramen.



Apical opening is at the side.
The X-ray projection will cause length error.
The longer the distance between apical opening and apex is, the greater the error will be.
Thus the file will penetrated through the foramen.

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.

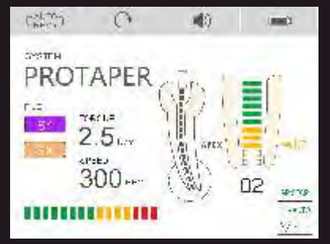
Endo Radar

Effectively prevent needle breakage

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

Continuous mode - three intelligent reversing functions

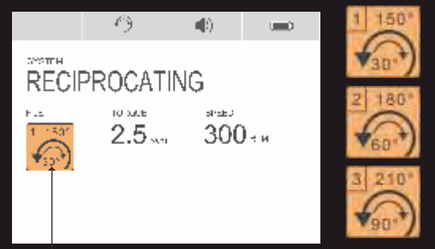
INTEGRATED LENGTH DETERMINATION



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

RECIPROCATING MODE

Accurate angle control



WIRELESS CHARGING

Non-contact, reliable

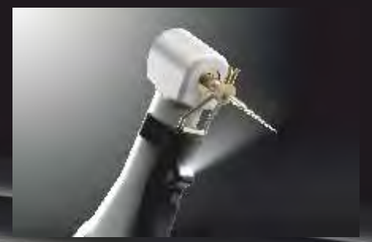
Intelligent charging mode: without adapter

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

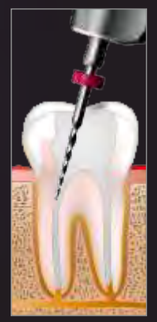
Effectively prevent file breakage

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.

ONE CURE™

X-Cure

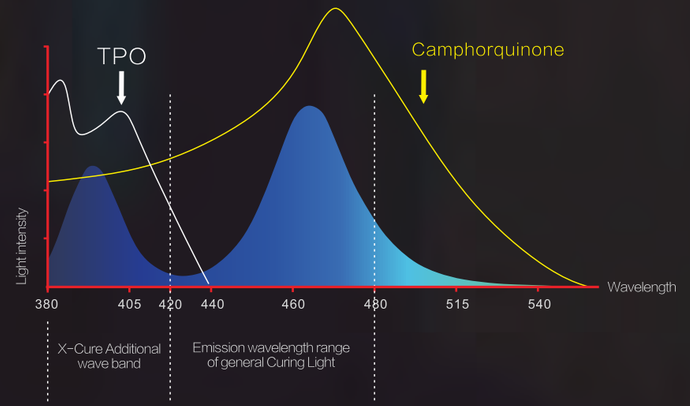
Wide Spectrum Curing Light

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.

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.

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/cm²with such a small size.

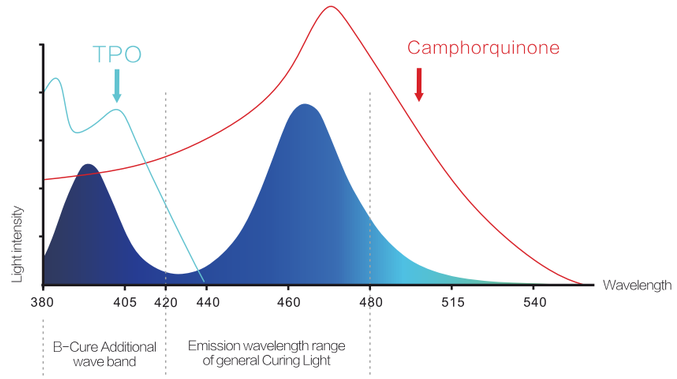
Curing normal resin that is thicker than 2mm in three seconds
Play an important role in cementation of all-ceramic restoration and orthodontic bracket.

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.



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 orthodonticbracket,veneer and post.

Main unit
OLED Screen

Pedestal
Light intensity indicator and light intensity measure point

Power input	AC100V-240V 50Hz/60Hz
Light output	1600mW/cm²-1800mW/cm²
Net weight	210g
Dimensions	195mm×40mm×150mm

Industrial design patent No.: CN 200930321058.6

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

LED.B

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

Light intensity updated 5 seconds for curing

Industrial design patent No.: CN 200730092316.9

Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm²-1600mW/cm²
Net weight	145g
Dimensions	260mm×31mm×31mm

LED.D

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

Light intensity updated 5 seconds for curing

Industrial design patent No.: CN 200930300230.X

Power input	AC100V-240V 50Hz/60Hz
Light output	850mW/cm²-1600mW/cm²
Net weight	143g
Dimensions	264mm×32mm×37mm

LED.C

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

Industrial design patent No.: CN 200830300501.7

Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm²-1200mW/cm²
Net weight	120g
Dimensions	263mm×Φ23mm

LED.H

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

Industrial design patent No.: CN 201130176281.3

Power input	AC100V-240V 50Hz/60Hz
Light output	1000mW/cm²-1200mW/cm²
Net weight	178g
Dimensions	252mm×Φ25mm

LED.G (Built-in sealed)

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

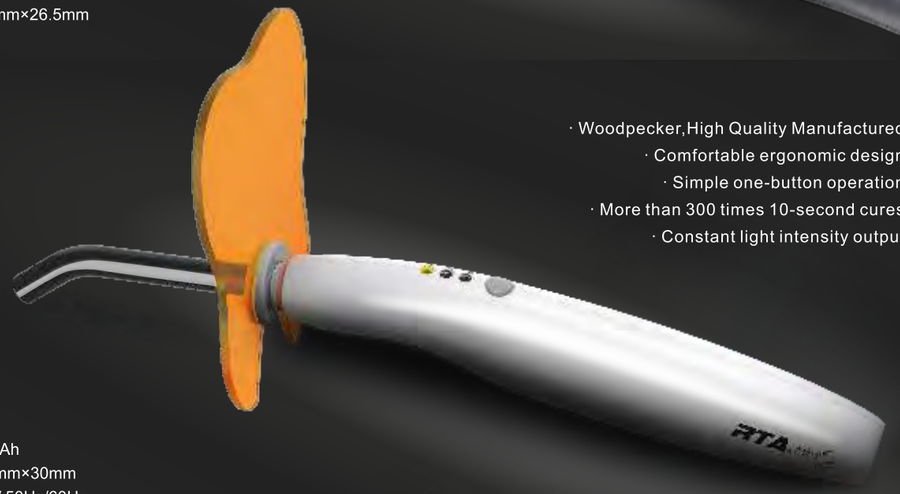
Power input	AC24V 50Hz/60Hz
Light output	1000mW/cm²-1200mW/cm²
Net weight	135g
Dimensions	260mm×26mm×25mm

LED.Q (Built-in sealed)

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

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

MINI S Curing light



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

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

CURING LIGHT

iLed

1 SEC

Cure 2mm resins in one second

light intensity up to 2300 mw/cm²

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/cm², only 3 seconds to solidify the bracket.

Beveled light guide

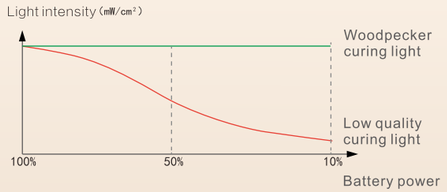
Easy to touch any part of teeth， radiate vertically at any angles， especially suitable for posterior teeth

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.

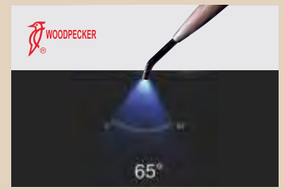
For most curing lights on the market, light intensity obviously decreases with the consumption of remaining power

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

KINGKONG series drop
Resistant dental handpiece

THE CHAMPION AMONG EXCELLENCES

Cutting force raises 94.6%

MORE POWERFUL AND MORE EFFICIENT

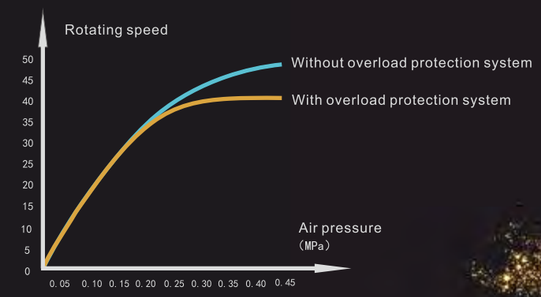
Thanks to the new optimized wind wheel and gas path design

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

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

OVERLOAD PROTECTION SYSTEM

Feature article of overload protection system



Rotating speed contrast curve

The new overload protection system can protect the handpiece from higher pressure, prolonging handpeice'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

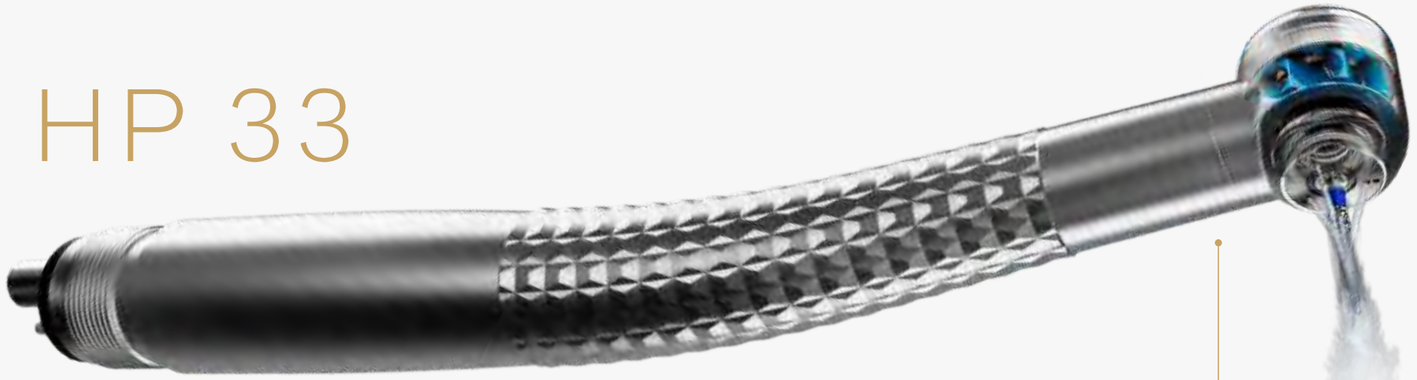
Pull to red graduation :16N
Pull to yellow graduation :20N
Pull to green graduation :24N

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

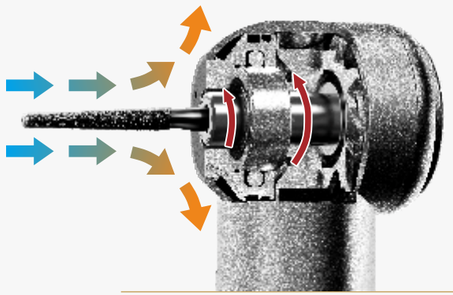
It wouldn't be hard to uninstall the burs after intense cutting,
making it more convenient to install and uninstall the burs.

HP 33



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.

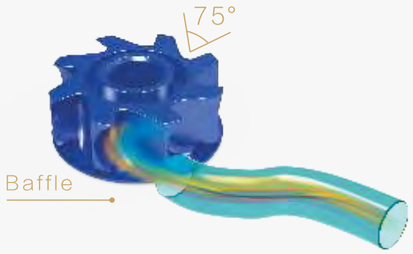


Strong enough clamping force
Tighter needle grasping

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.



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.

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	Φ12.0mm	Φ11.2mm	Φ11.2mm
Noise	⟨ 70dB	⟨ 70dB	⟨ 70dB

SURGIC TOUCH

WOODPECKER

3RD

GENERATION OF ULTRASURGERY

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.

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

Clinical application

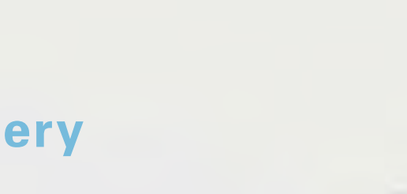
Minimally invasive tooth extraction,
Intralift, Sinus Lift, Alveoloplasty,
apical cyst extraction, Crown Extension, Crest splitting, etc.

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.

UltraSurgery

Excellent Performance



Minimally invasive cutting

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

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

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 ×2

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.

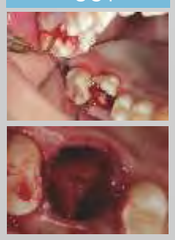
US-II LED

Woodpecker core technology, reliable cutting efficiency professor

38 patents, 9 invention patents

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

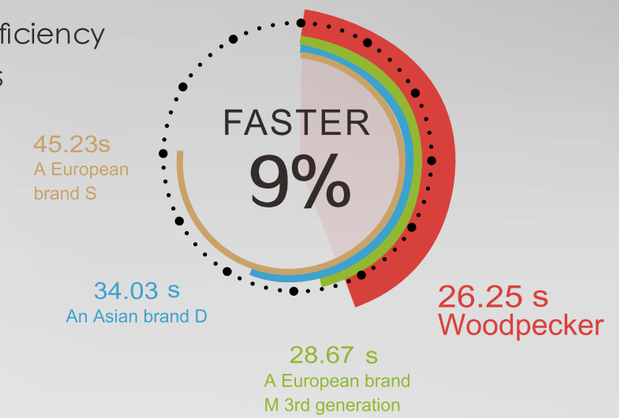
Exported to 89 countries,including Germany, Switzerland, Italy etc.

US1	UC1	CLINICAL PRACTICE
		

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



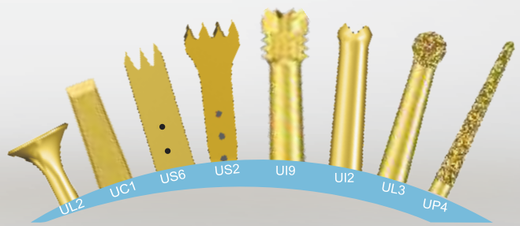
SAFE

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

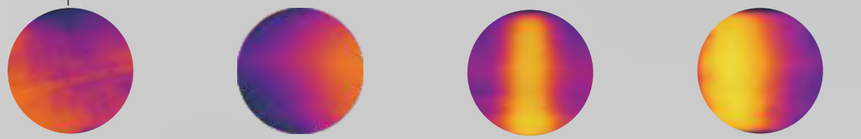
Developed packaging technology: more stable after UHT sterilization, with constant quality



Micrometric cuts, Selective cuts,
No harm to soft tissue

WORKING 10 MIN UNDER FULL POWER
TEST THE TEMPERATURE OF HANDPIECES

HIGHLIGHT LAMP
CLEAR VISIBILITY



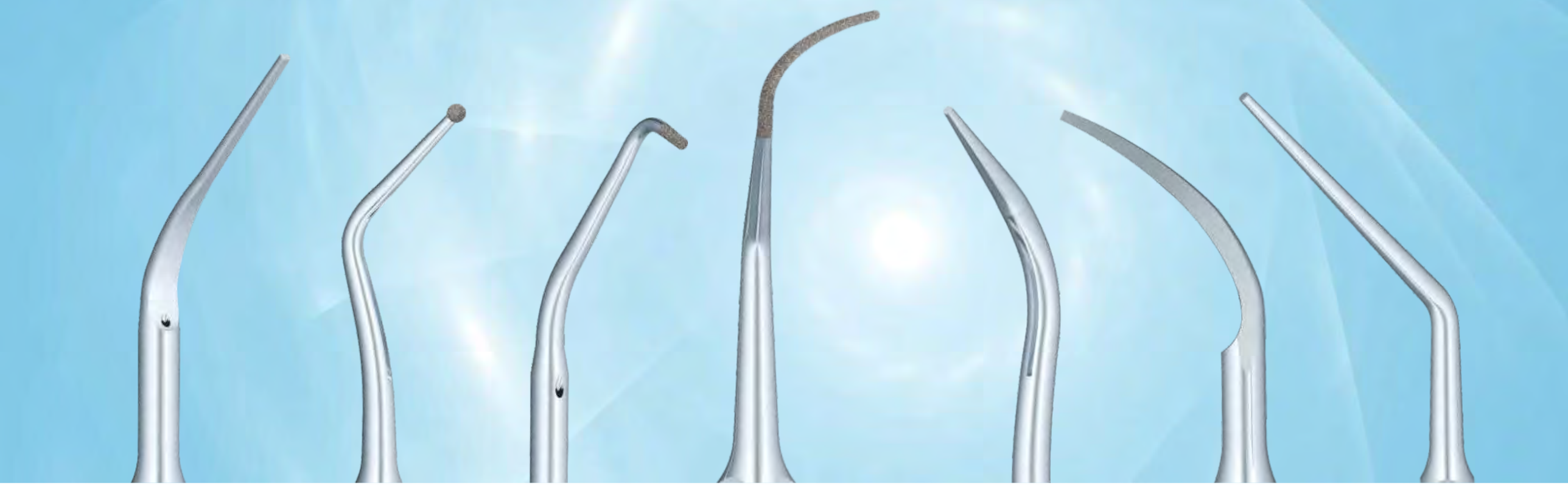
WOODPECKER
Brand 33℃

Well-known European
Brand S 30℃

Well-known European
Brand M 33℃

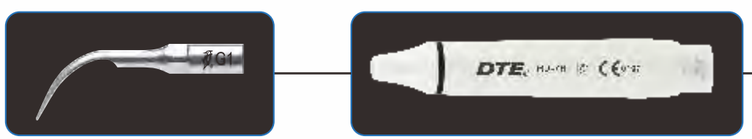
Well-known Asian
Brand D 38℃

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.

warranty These kinds of damages are not covered under warranty.

The comparison between Woodpecker tip and disposable tip made in China

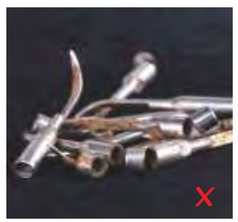
Woodpecker tip spray evenly, effective cleaning and cooling

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 craking 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!

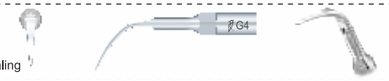
Scaling

G1
Supragingival scaling

G2
Supragingival scaling

G3
Supragingival scaling

G4
Supragingival scaling



G5
Supragingival scaling

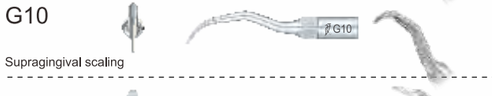
G6
Supragingival scaling

G7
Remove dental crown

G8
Remove dental pile, with irrigation

G9
Supragingival scaling

G10
Supragingival scaling



G11
Orthodontic treatment

Periodontics

P1
Periodontal scaling

P3
Periodontal scaling

P4
Periodontal scaling

P3D
Polish root canal surface

P2L
Periodontal scaling

P2R
Periodontal scaling

P2LD
Remove calculus from narrow inter-root spaces (diamond-coated)

P2RD
Remove calculus from narrow inter-root spaces (diamond-coated)

Cavity preparation

SB1
Removing the caries on oeclusal surface of teeth and dental neck

SB2
Removing the caries on Mesial surface of the adjacent teeth

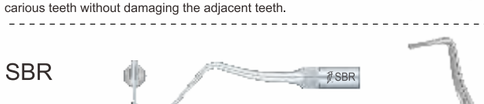
SB3
Removing the caries on Distal surface of the adjacent teeth

G31
Preparation of mesiocclusion cavity

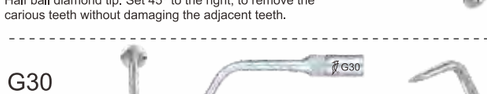
G33
Preparation of teeth veneer

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

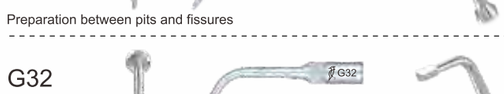
SBR
Half ball diamond tip. Set 45° to the right, to remove the carious teeth without damaging the adjacent teeth.



G30
Preparation between pits and fissures



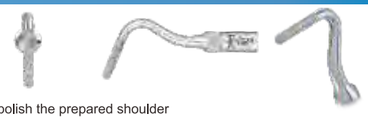
G32
Preparation of distal and mesial cavity



Shoulder preparation

G20
Abrade dentin

G21
Fine repair and polish the prepared shoulder



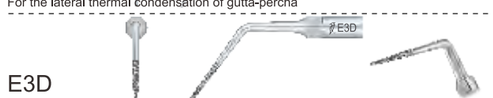
Endodontics

E1
120°angle holder, for root canal cleaning

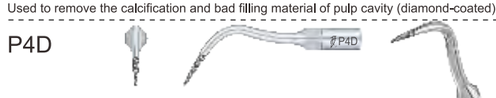
E2
95°angle holder, for root canal cleaning

E3
For the lateral thermal condensation of gutta-percha

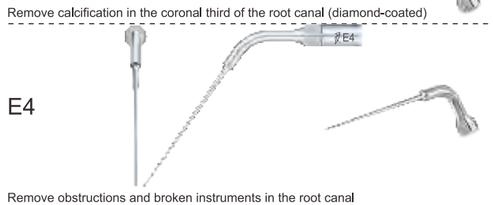
E3D
Used to remove the calcification and bad filling material of pulp cavity (diamond-coated)



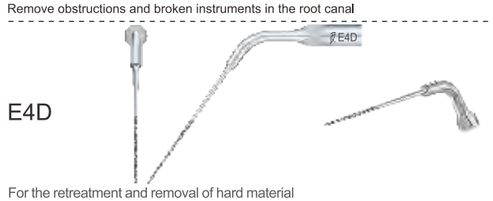
P4D
Remove calcification in the coronal third of the root canal (diamond-coated)



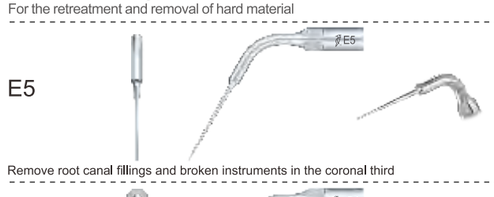
E4
Remove obstructions and broken instruments in the root canal



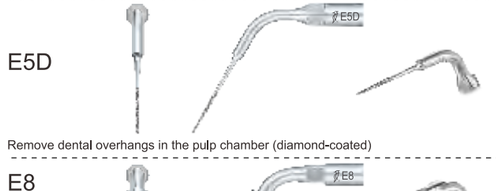
E4D
For the retreatment and removal of hard material



E5
Remove root canal fillings and broken instruments in the coronal third



E5D
Remove dental overhangs in the pulp chamber (diamond-coated)



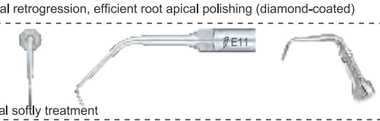
E8
Burs holder, used to expand root canal and grind teeth

E9
Burs holder, used to expand root canal and grind teeth

E10
Used for root canal softly treatment

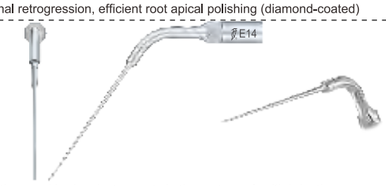
E10D
Used for root canal retrogression, efficient root apical polishing (diamond-coated)

E11
Used for root canal softly treatment

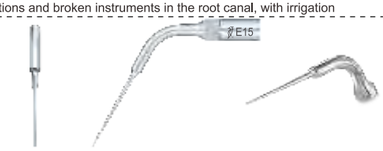


E11D
Used for root canal retrogression, efficient root apical polishing (diamond-coated)

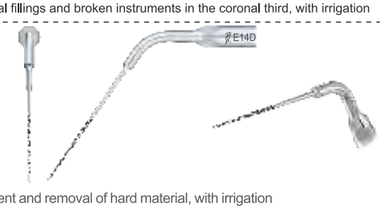
E14
Remove obstructions and broken instruments in the root canal, with irrigation



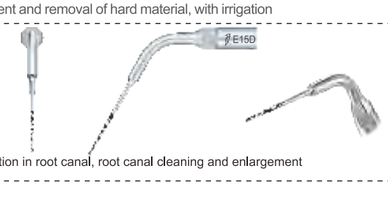
E15
Remove root canal fillings and broken instruments in the coronal third, with irrigation

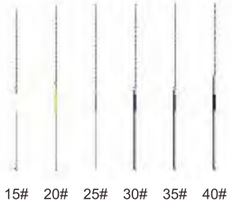


E14D
For the retreatment and removal of hard material, with irrigation



E15D
Remove calcification in root canal, root canal cleaning and enlargement





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

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.

Scaling

G1T

Supragingival scaling

G2T

Supragingival scaling

G3T

Supragingival scaling

G4T

Supragingival scaling

G5T

Supragingival scaling

G6T

Supragingival scaling

G7T

Remove dental crown

G8T

Remove dental pile, with irrigation

G9T

Supragingival scaling

G10T

Supragingival scaling

Endodontics

E1T

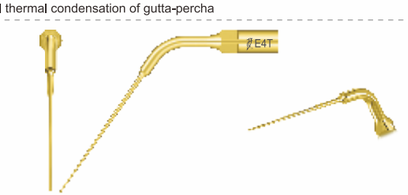
120°angle holder, for root canal cleaning

E2T

95°angle holder, for root canal cleaning

E3T

For the lateral thermal condensation of gutta-percha

E4T

Remove obstructions and broken instruments in the root canal

E5T

Remove root canal fillings and broken instruments in the coronal third

E8T

Burs holder, used to expand root canal and grind teeth

E9T

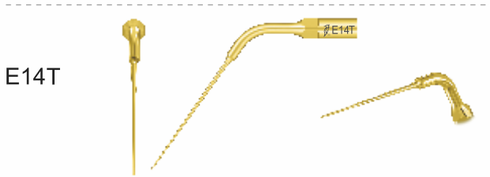
Burs holder, used to expand root canal and grind teeth

E10T

Used for root canal softly treatment

E11T

Used for root canal softly treatment

E14T

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

E15T

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

Periodontics New!

P1T

Periodontal scaling

P2LT

Periodontal scaling

P2RT

Periodontal scaling

P3T

Periodontal scaling

P3LT

Periodontal scaling

P3RT

Periodontal scaling

P4T

Periodontal scaling

P5T

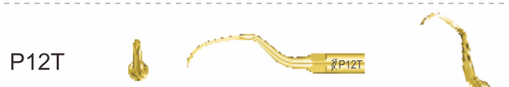
Periodontal scaling

P10T

Periodontal scaling

P11T

Periodontal scaling

P12T

Periodontal scaling

P14LT

Periodontal scaling

P14RT

Periodontal scaling

P18T

Periodontal scaling

P20T

Periodontal scaling

P20LT

Periodontal scaling

P20RT

Periodontal scaling

P21LT

Periodontal scaling

P21RT

Periodontal scaling

P22LT

Periodontal scaling

P22RT

Periodontal scaling

Scaling (Used for SIRONA)

GS1

Supragingival scaling

GS2

Supragingival scaling

GS3

Supragingival scaling

GS4

Supragingival scaling

GS5

Supragingival scaling

GS6

Supragingival scaling

GS7

Remove dental crown

GS8

Remove dental pile, with irrigation

Endodontics (Used for SIRONA)

ES1

120°angle holder, for root canal cleaning

ES2

95°angle holder, for root canal cleaning

ES3

For the lateral thermal condensation of gutta-percha

ES3D

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

PS4D

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

ES4

Remove obstructions and broken instruments in the root canal

ES5

Remove root canal fillings and broken instruments in the coronal third

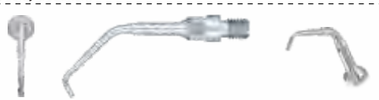
ES8

Burs holder, used to expand root canal and grind teeth

ES10

Used for root canal softly treatment

ES11



Used for root canal softly treatment

ES14

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

ES15

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

Periodontics (Used for SIRONA)

PS1

Periodontal scaling

PS3

Periodontal scaling

PS4

Periodontal scaling

PS3D

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

Scaling (Used for KAVO)

GK1

Supragingival and subgingival scaling

GK2

Supragingival and subgingival scaling

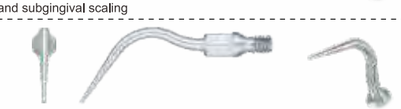
GK3

Supragingival and subgingival scaling

GK4

Supragingival and subgingival scaling

GK5



Supragingival and subgingival scaling

GK6

Supragingival and subgingival scaling

GK7

Supragingival and subgingival scaling

GK11

Orthodontic treatment

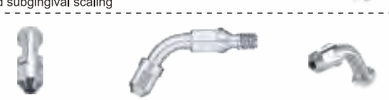
GC1

Supragingival and subgingival scaling

GC2

Supragingival and subgingival scaling

EK8



Burs holder, used to expand root canal and grind teeth

Periodontics (Used for KAVO)

PC1

Subgingival scaling

Used for AMDENT

A1

Supragingival scaling

A2

Supragingival scaling

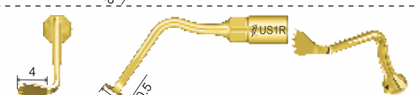
A1T

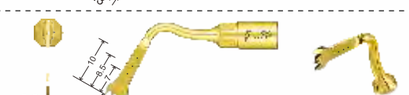
Supragingival scaling

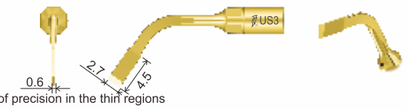
Bone surgery

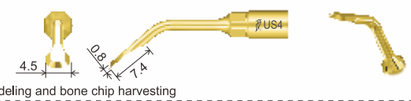
US1
Osteotomy

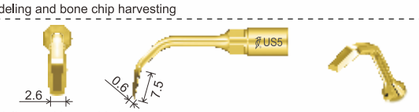
US1L
Osteotomy

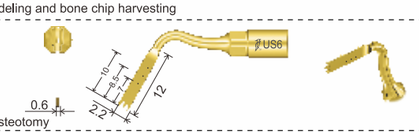
US1R
Osteotomy


US2
Osteotomy


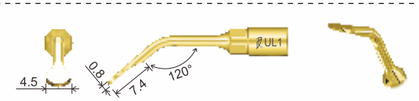
US3
Osteotome of precision in the thin regions


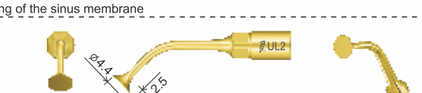
US4
Bone remodeling and bone chip harvesting


US5
Bone remodeling and bone chip harvesting


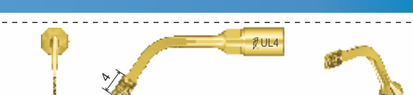
US6
Precisive osteotomy


Sinus lifting

UL1
120° Peeling of the sinus membrane


UL2
Peeling of the sinus membrane


UL3
Non-traumatic bone cutting on thin bone region (diamond-coated)

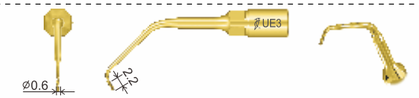
UL4
Micrometric osteotomy near the soft tissue (diamond-coated)*The size of diamond grit is 100μm.


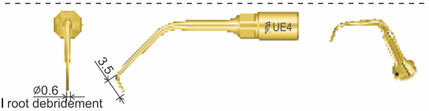
UL5
Peeling of the sinus membrane (angle: 95°)

Endodontic

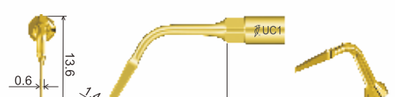
UE1
Apical root debridement (diamond-coated) *The size of diamond grit is 40μm.

UE2
Soft apical root debridement

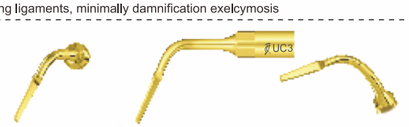
UE3
Apical root debridement (diamond-coated) *The size of diamond grit is 40μm.


UE4
Soft apical root debridement


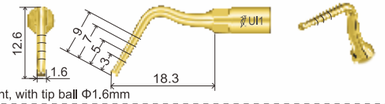
Exelcymosis

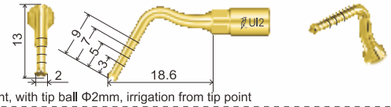
UC1
Used for cutting ligaments, minimally damnification exelcymosis


UC2
Used for cutting ligaments, minimally damnification exelcymosis

UC3
Used for cutting ligaments, minimally damnification exelcymosis


Implantation

UI1
Used for implant, with tip ball Φ1.6mm


UI2
Used for implant, with tip ball Φ2mm, irrigation from tip point


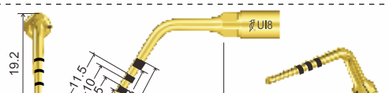
UI3
φ2mm implant site preparation tip,irrigation from tip point.

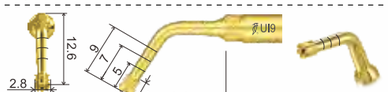
UI4
φ3mm implant site preparation tip,irrigation from tip point.

UI5
φ2mm implant site preparation tip,irrigation from tip point.

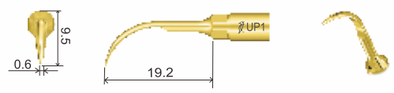
UI6
φ3mm implant site preparation tip,irrigation from tip point.

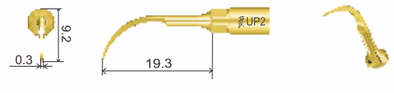
UI7
Finalize the implant site and bone preparation (diamond-coated)

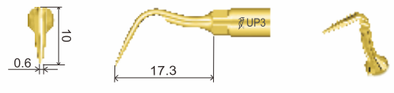
UI8
For implantation, in plus size, with tip ball Φ1.6mm


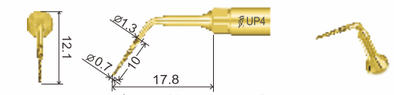
UI9
Used for implant, with tip ball Φ2.8mm


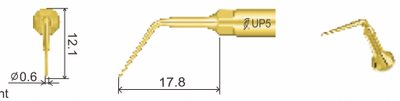
Periodontal surgery

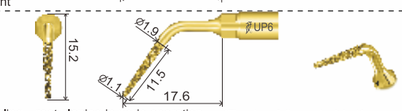
UP1
Root scaling


UP2
Root scaling


UP3
Root scaling


UP4
Root surface debridement and root planning (diamond-coated)
*The size of diamond grit is 40μm.


UP5
Perio treatment


UP6
Bone remodeling、root planing in perio operation *The size of diamond grit is 40μm.


UP7
Bone remodeling and root canal enlargement (diamond-coated)
*The size of diamond grit is 40μm.

Ultrasurgery Tip Kit

Basic Kit	Sinus Lifting Kit	Bone Surgery Kit	Exelcymosis Kit	Periodontal Surgery Kit	Endodontic Kit	Implantation Kit
Include：US2/US3 US4/US5/UC1	Include：UL1/UL2 UL3/UL4/UL5	Include：US1/US2 US1L/US1R/US6	Include：UC1/UC2 UC3/UP2/UP3	Include：US4/UP2 UP4/UP5/UP7	Include：UE1/UE2 UE3/UE4/US4	Include：UI1/UI2 UI7/UI8/UI9

Handpiece for Ultrasonic scaler

HW-6L

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

Weight	44g
Dimensions	101mm×Φ18mm

HW-6

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

Weight	52g
Dimensions	111mm×Φ17.5mm

HW-5L

· USED FOR: WOODPECKER scalers with detachable handpiece, with light, broader view , autoclavable.
Plastic head and metal head are optional.

Weight	51.5g
Dimensions	105mm×Φ18.9mm

Weight	45g
Dimensions	105mm×Φ18.9mm

HW-3H

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

Weight	47g
Dimensions	117mm×Φ18mm

Weight	47g
Dimensions	117mm×Φ18mm

HW-1C

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

· Three 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-5LTorque wrench
For Woodpecker and EMS scaler tips
TS-5LTorque wrench
For Sirona scaler tips
TK-5LTorque wrench
For Kavo scaler tips

TW-3 Wrench

TW-E1 Endo wrench
Used for changing the ultrasonic U-file and screwing / unscrewing the endo chuck

TW-A wrench
For replacement of dental burs and burs holder

Diaphragm pump

1# Tip holder

2# Tip holder

Foot switch(round)

Quick connector

File stand

Peristaltic pump

Foot switch(square)

LED lamp

Spare parts for dental turbine handpiece

HL11-M4/B2 Cartridge

HP13-M4/B2 Cartridge

HP11-M4/B2 Cartridge

HL13-M4/B2 Cartridge

Bur key

Bearing A (steel ball)

Bearing B (ceramic ball, with shield)

Cap spanner applicable for HP13-M4/B2

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

Cap spanner applicable for HP11-M4/B2

Spare parts for apex locator

Lip hook

Measuring wire

File clip

Probe

Tester

Adapter 5V/1A (For Woodpex III)

Battery ICR14500 (For Woodpex III)

Endo ruler

Spare parts for ultrasurgery

Handpiece

Tip holder

TU-1 Torque wrench

Foot switch

Pump tubing

Pump connector

Handpiece holder

Water tank hanger

Power line

Autoclave box

ULTRASURGERY handpiece: Cable and handpiece can be autoclaved together.

Spare parts for curing light

Beveled Optical Fiber

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

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

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

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

Light hood

Lightmeter

Bathymeter

Bleaching fiber for LED.F

LED lamp 3W、5W

Glasses