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Guilin Woodpecker Medical Instrument Co., LTD.

Global Leader in Ultrasonic Scaler Manufacturing Enterprises

272 patents, 55 of them are patents of invention • Exported to 129 countries



Far Ahead in Ultrasonic Scaler Production and Sales Globally
Leader of LED Curing Light Export Volume in China

27
YEARS
1989-2016



WOODPECKER international dental industrial base.

www.woodpecker.cz

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2016 4.0 Edition

Scan and Login website
for more information



CATALOGUE

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 2004.2.19

Introduction of Woodpecker Company

Concentration

27 years' concentration on R&D dental products, **7** product categories,
85% domestic market share, and exported to **129** countries and regions.

Innovation

300 employees, **75%** of them have got college degree or above, **18.6%** full-time R&D,
272 proprietary intellectual property rights, **55** invention patents.

Scale

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



Birdview of Company



Office Building



Library



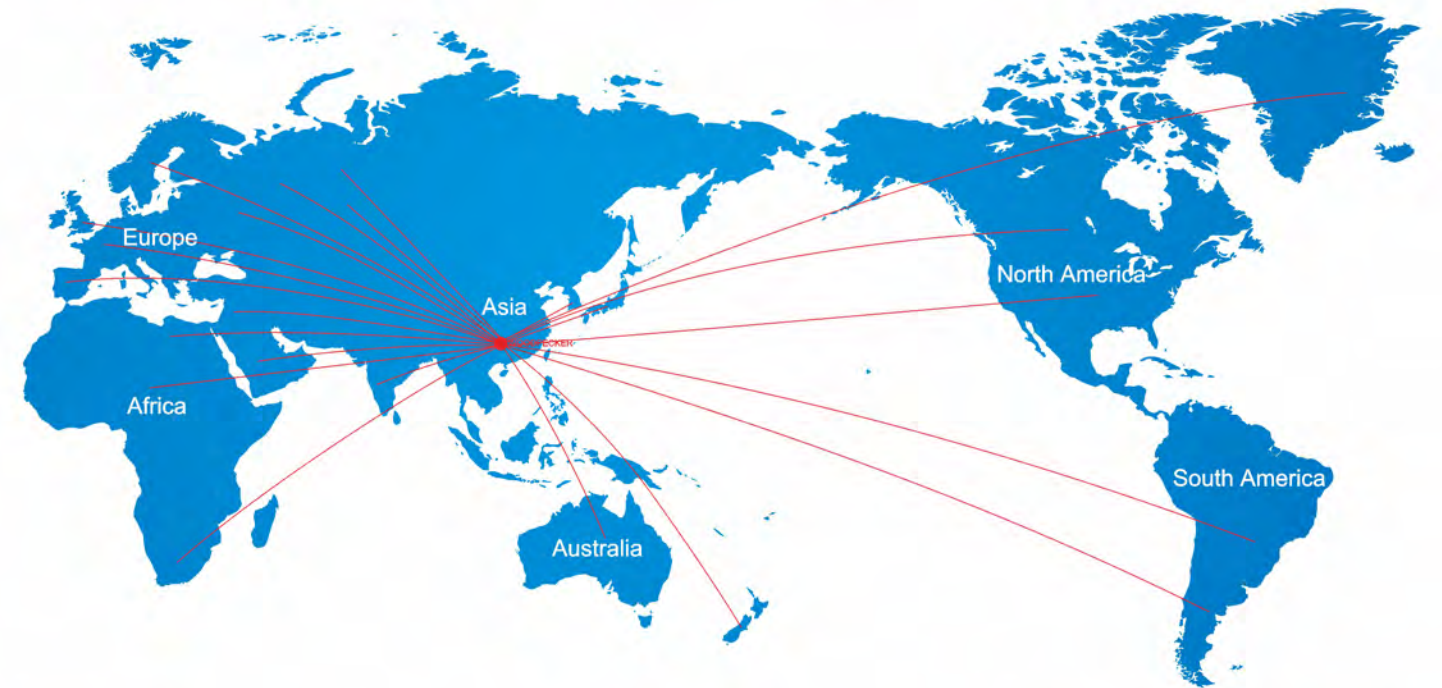
Lecture Hall



Show Room



Woodpecker products have been exported to 129 countries around the world



Europe 41 countries

Germany
United Kingdom
France
Spain
Italy
Russia
Switzerland
Poland
Portugal
Luxembourg
Bosnia and Herzegovina
Czech
Sweden
Slovenia
Slovakia
Serbia
Croatia
Belarus
Romania
Bulgaria
Malta
Greece
Denmark
Holland
Ireland
Ukraine
Hungary
Australia
Belgium
Finland
Latvia
Estonia
Albania
Macedonia
Moldova
Lithuania
Kosovo
Iceland
Norway
Andorra
Montenegro

Asia 44 countries

Japan
South Korea
India
Indonesia
Singapore
Philippines
Thailand
Malaysia
Burma
Laos
Vietnam
Afghanistan
Nepal
Bangladesh
Mongolia
Kazakhstan
Turkmenistan
Kyrgyzstan
Uzbekistan
Palestine
Tajikistan
North Korea
Israel
Iran
Saudi
Qatar
Oman
UAE
Iraq
Pakistan
Yemen
Lebanon
Turkey
Azerbaijan
Syria
Jordan
Georgia
Cambodia
Armenia
Cyprus
Sri Lanka
Kuwait
Maldives
Bahrain

America 21 countries

USA
Canada
Mexico
Brazil
Argentina
Chile
Peru
Venezuela
Columbia
Dominica
Cuba
Salvador
Bolivia
Guatemala
Uruguay
Panama
Nicaragua
Honduras
Paraguay
Puerto Rico

Africa 19 countries

Egypt
Morocco
South Africa
Ghana
Burkina Faso
Senegal
Reunion
Cameroon
Zambia
Ethiopia
Madagascar
Mauritius

Oceania 2 countries

Australia
New Zealand

All staff of Woodpecker



27 years of brand heritage

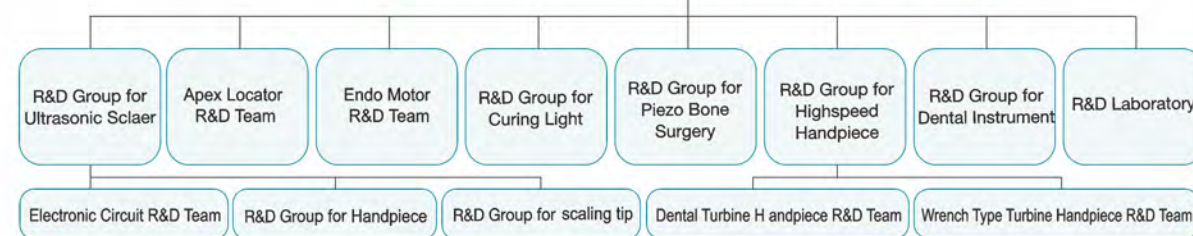
Made in China German quality

High-quality Durable Innovative

First-class R & D team in dental industry

Constituted of 11 teams specializing on each products in Woodpecker. Woodpecker now has 60 professional engineers focusing on researching and developing of new technic in dental industry. And our target is to satisfy our customers by innovative and safe products

Woodpecker R & D center's structure



Advanced processing equipment in dental industry



Image Dimension Measuring System



The processing of core parts in handpiece



The processing of high speed turbine handpiece



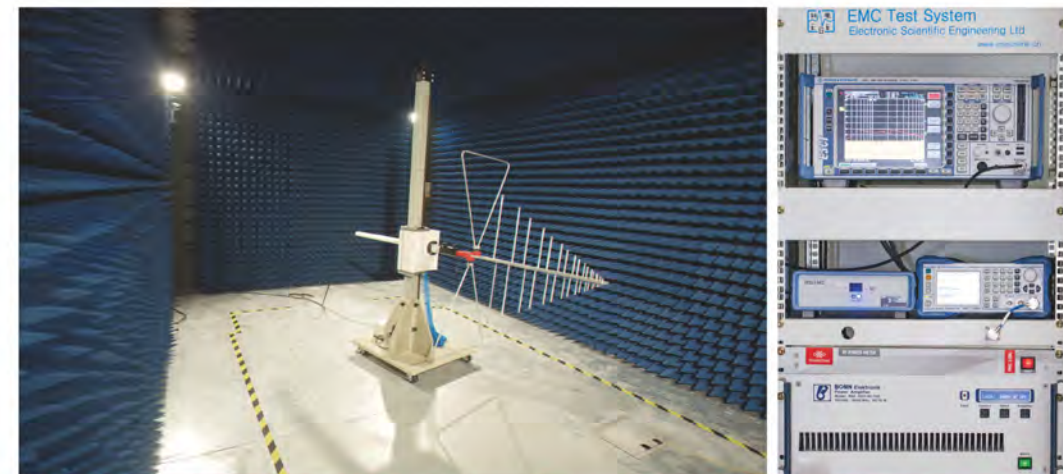
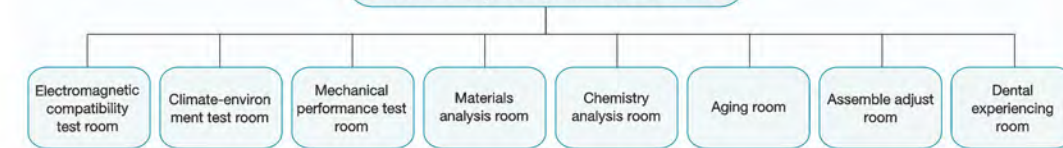
The processing of Tips

- Invest 12.4 million USD to construct the CNC center.Covering an area of 1500 square meters Automatic processing equipment original from Japan
- The production of every core part is supported by equipment which worth more than a million

World-leading level laboratory in dental industry

With an area of 1280m², valued 5.5 million USD,Woodpecker's laboratory is equipped with advanced equipment imported from Germany.America,Japan

Laboratory of center's structure



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



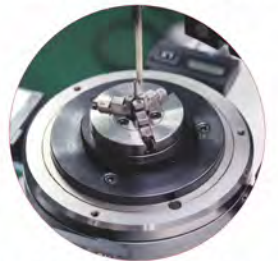
Mechanical environmental laboratory Simulate various extreme mechanical environments to ensure high-quality of products.



Climate Environmental Laboratory Simulate different extreme climate environments to ensure high-quality of products.



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



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



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



Energy dispersive X-ray fluorescence spectrometer
To detect the harmful material, keeping with 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 company. Recently, growing fake ultrasonic scaler handpieces, tips and curing lights are produced and sold on the market, which do harm to users' interest. On this issue, We 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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WORLDWIDE RELEASE — **PT MASTER™ 3**

PIEZOELECTRIC CERAMICS PAINLESS PERIODONTAL TREATMENT DEVICE



17 invention patents 113 national patents

27 years' research on ultrasonic scaling

The world top technology and quality



PT MASTER™ 3 main specifications:

Frequency: 28000Hz

Tips hardness: 30HRC

Vibration amplitude: 20~60μm

Treatment depth: 14mm

Equipped with: 2 handpieces+10 tips

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Treatment effect:



NO injury to teeth



	Periodontal treatment expert	Circular vibration orbit, scaling and polishing together
Ti	Titanium scaling tips	No injury to cementum
	Precise location	LED handpiece, better visibility, say no to accidental injury
	Low subsequent using cost	PT MASTER3' s tough and preferential tip VS fragile high-cost magnetostrictive tip
	Painless treatment	20μm vibrating amplitude, enjoy the painless treatment

FAR AHEAD IN ULTRASONIC SCALER PRODUCTION AND SALES GLOBALLY

27 years focusing on technological innovation, leading brand for Scaler in the world

Woodpecker scaler has applied for 113 National Patents and 17 National Invention Patents

HIGH QUALITY HANDPIECE

Shell of the handpiece is made of special imported plastic from America, which can be autoclaved under high temperature and pressure without cracking or deformation.

Original handpiece sealing technique, reliable and durable.

Ergonomics design, more comfortable in use.



EXPERT IN ROOT CANAL CLEANING

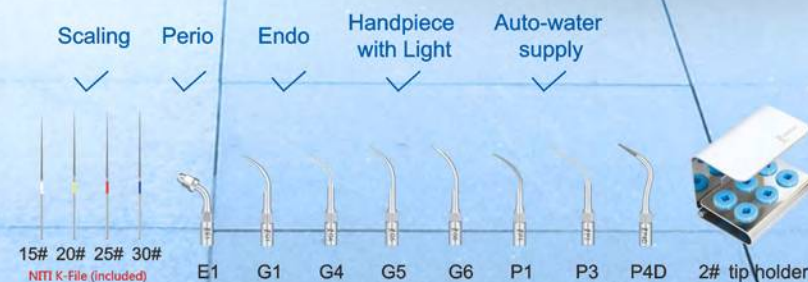
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Industrial design patent No.: CN 200830300448.0



UDS-E LED

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Main unit weight	1.17kg
Transformer weight	1kg
Dimensions	170mm×111mm×65mm



- Anti-rot material applied to internal water line system, clinical solutions are applicable for automatic water supply mode, improving the performance of perio and endo function dramatically.
- Detachable handpiece with light, better visibility; new sealing technique applied to handpiece, patients feel more comfortable.
- Automatic degenerative feedback, constant power output, more comfortable scaling.



UDS-P LED

- Detachable handpiece with light, better visibility.
- Automatic degenerative feedback, constant power output, more comfortable scaling.

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.68kg
Adapter weight	1kg
Dimensions	178mm×145mm×89mm

Industrial design patent No.: CN 200830300492.1

Scaling	Perio	Endo	Handpiece with Light	Auto-water supply
✓	✓	✓	✓	✗



UDS-L LED

- Auto-water supply system, (Optional) more convenient application.
- Detachable handpiece with light, better visibility.
- Automatic degenerative feedback, constant power output, more comfortable scaling.

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	5V~ 50Hz/60Hz 200mA (optional)
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.73kg
Adapter weight	1kg
Dimensions	190mm×125mm×60mm



Scaling	Perio	Endo	Handpiece with Light	Auto-water supply (Optional)
✓	✓	✓	✓	✓



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UDS-A LED

- Detachable handpiece with light, better visibility.
- Automatic degenerative feedback, constant power output, more comfortable scaling.

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.64kg
Adapter weight	1kg
Dimensions	196mm×134mm×80mm

Industrial design patent No.: CN 200830300447.6

Scaling	Perio	Endo	Handpiece with Light	Auto-water supply
✓	✓	✓	✓	✗



UDS-K LED

- Microcomputer control, automatic frequency tracking.
- Detachable handpiece with light, better visibility.
- Automatic degenerative feedback, constant power output, more comfortable scaling.

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.75kg
Adapter weight	1kg
Dimensions	170mm×111mm×65mm



Industrial design patent No.: CN 200830300447.6

Scaling	Perio	Endo	Handpiece with Light	Auto-water supply
✓	✓	✗	✓	✗



UDS-J2 LED



UDS-J2 LED Plus

- Sealed handpiece with light, better visibility.
- The handpiece sleeve can be autoclaved, avoiding cross-infection.
- Three colors of handpiece sleeve optional: green, blue, purple.
- Adapter built in, more convenient for assembling.
- Automatic degenerative feedback, constant power output, more comfortable scaling.

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Output power	3W~20W
Frequency	30kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	1.7kg
Dimensions	137mm×95mm×213mm

Industrial design patent No.:
CN 201130027363.1

Scaling	Perio	Endo	Handpiece with Light	Auto-water supply
✓	✓	✗	✓	✗



UDS-J

- Sealed handpiece.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Scaling	Perio	Endo	Handpiece with Light	Auto-water supply
✓	✓	✗	✗	✗

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	30kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.8kg
Adapter weight	1kg
Dimensions	205mm×135mm×74mm



UDS-B

- Sealed handpiece.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Scaling	Perio	Endo	Handpiece with Light	Auto-water supply
✓	✓	✗	✗	✗

Power input	110V~50Hz/60Hz 220-240V~50Hz/60Hz
Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	30kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.62kg
Adapter weight	1kg
Dimensions	192mm×128mm×78mm

Industrial design patent No.:
CN 200830300435.3



BUILT-IN SCALER Special design for dental unit!

UDS-N3 LED

- Detachable handpiece with light, autoclavable.
- Automatic frequency tracking.
- Scaling, endo function.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.2kg
Dimensions	74mm×56mm×38mm

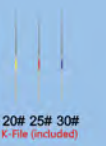


UDS-N3 LED

(Detachable handpiece HW-5L)

UDS-N3

(Detachable handpiece HW-3H)



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

UDS-N2 LED

- Detachable handpiece with light, autoclavable.
- Automatic frequency tracking.
- Scaling, endo function.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.2kg
Dimensions	74mm×56mm×38mm



UDS-N2 LED

(Detachable handpiece HW-5L)

UDS-N2

(Detachable handpiece HW-3H)

UDS-N1

- Sealed handpiece.
- Automatic frequency tracking.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.2kg
Dimensions	74mm×56mm×38mm



UDS-N1

(Sealed handpiece HW-1)

UDS-N4

- Sealed handpiece.
- The handpiece sleeve can be autoclaved.
- Automatic frequency tracking.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Main unit input	24V~50Hz/60Hz 1.3A
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	0.2kg
Dimensions	74mm×56mm×38mm

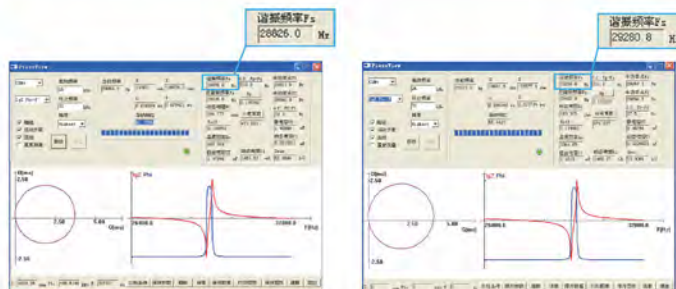


UDS-N4

(Sealed handpiece HW-1C)

Perfect compatibility of tip

The working frequency range of E brand scaler is <32000Hz

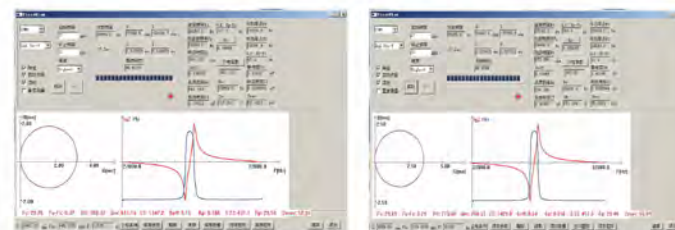


The working condition for Woodpecker tip on E brand scaler is perfect

Perfect compatibility

Woodpecker:
resonant frequency 29.263kHz

Swiss brand E:
resonant frequency 29.191kHz

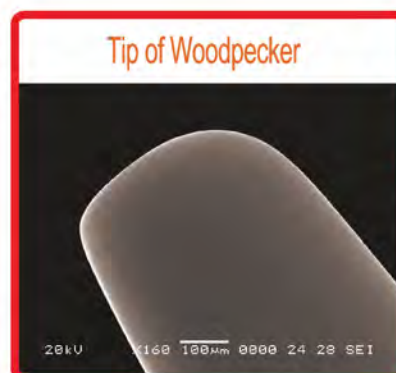


Technical data of Woodpecker detachable handpiece and Swiss brand E handpiece is the same. Handpiece of both brand can be exchanged perfectly.

Smooth tip, without injury on the teeth

Selecting high-qualified medical materials which is durable and wear-resistant, adopting most advanced laser drilling technology, undergoing

35 strict production processes and **5** quality inspections.



Woodpecker Dental Instrument



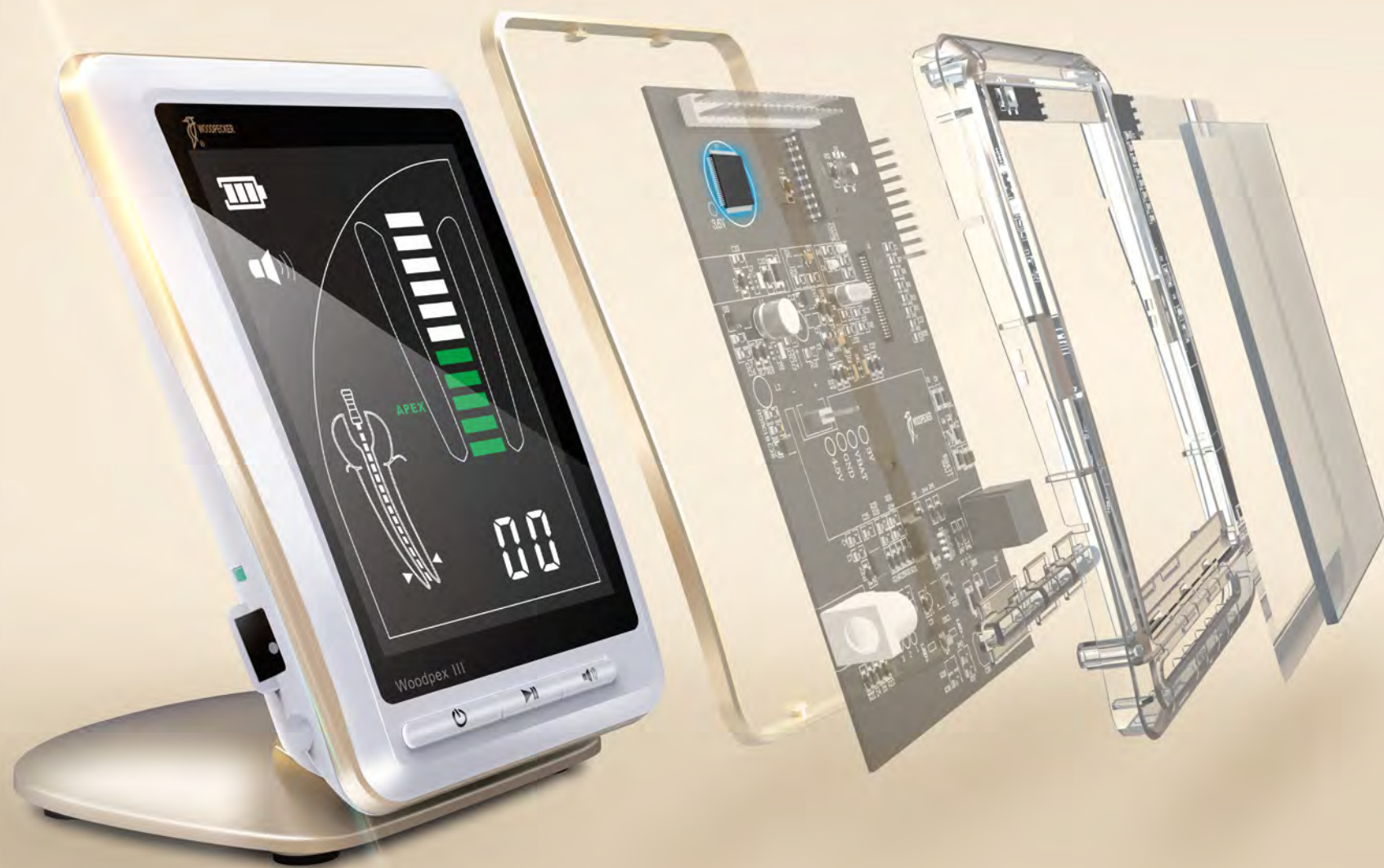
Woodpecker dental instruments are made by imported high quality material, high hardness and antirust. Ergonomic design, fine polishing, easy operation.

For more information about Woodpecker dental instruments, please kindly contact our sales person for "Dental Instrument Catalogue", or visit our official website www.giwoodpecker.com to download it.



APEX LOCATOR
WOODPEX III PRO

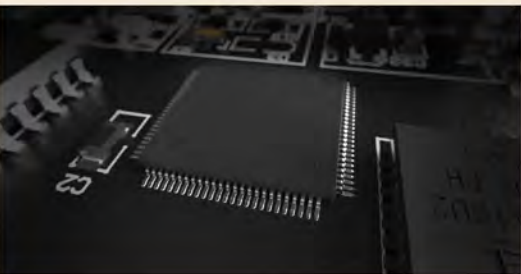
24 National Patents 8 Invention Patents



Clinical data matching,
The accuracy rate has been improved to

97.71%

Upgraded chip, real-time response, the sensitivity has been improved double
Innovative algorithm, multi-frequency measurement, and anti-interference.



THE ACCURACY CONTRAST AMONG WOODPECKER, AMERICAN BRAND D AND JAPANESE BRAND S

Method: Prepare 97 teeth of pulpitis and apical parodontitis, total 175 root canals. After finishing the initial root canal preparation, use the Apex Locators of Woodpecker, American brand D and Japanese brand S separately to measure the length of root canals, and combine the X-Ray film to test, finally compare the accuracy of the three types of Apex Locators.

Group	QTY of tested root canal	QTY of accurate results	Accuracy Rate
Woodpecker	175	171	97.71%
American brand D	175	171	97.71%
Japanese brand S	175	171	97.71%

Cited Reference: Gu Yuan Ping
In vivo accuracy of three electronic root canal length measurement devices: Dentaport ZX, Woodpex III and ProPex II

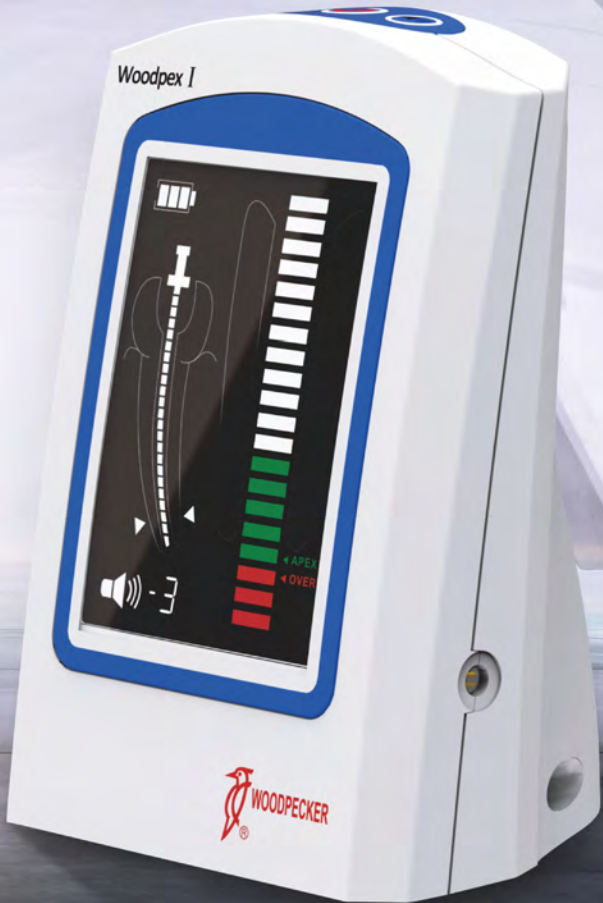
Woodpex III

NEW UPGRADE

- LCD screen, the trajectory of the file can be clearly shown with different colors.
- Multi-frequency apical positioning technology, avoiding the influence of subjective factors for measurement results.
- Measurement results will not be affected by tooth type, root canal internal environment.
- Rechargeable lithium battery.
- Adjustable viewing angle.

Woodpex I

- LCD screen, the trajectory of the file can be clearly shown with different colors.
- Multi-frequency apical positioning technology, avoiding the influence of subjective factors for measurement results.
- Measurement results will not be affected by tooth type, root canal internal environment.



Battery 3.7V/750mAh
Power consumption ≤0.5W
Screen 4.5"LCD
Main unit weight 350g
Dimensions 84mm×88mm×112mm

Industrial design patent No.: CN 201130379058.9

Industrial design patent No.:CN 200830301277.3

Battery 4 pcs AAA batteries
Power consumption ≤0.5W
Screen 3.2"LCD
Main unit weight 215g
Dimensions 85mm×74mm×121mm

EXPERT IN LED CURING LIGHT !



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

13 years professional technology,
39 patents, 7 Invention Patents
Global sales over 600,000 units !

LED.F

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

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



Main unit
OLED Screen



Pedestal
Light intensity indicator and
light intensity measure point



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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)

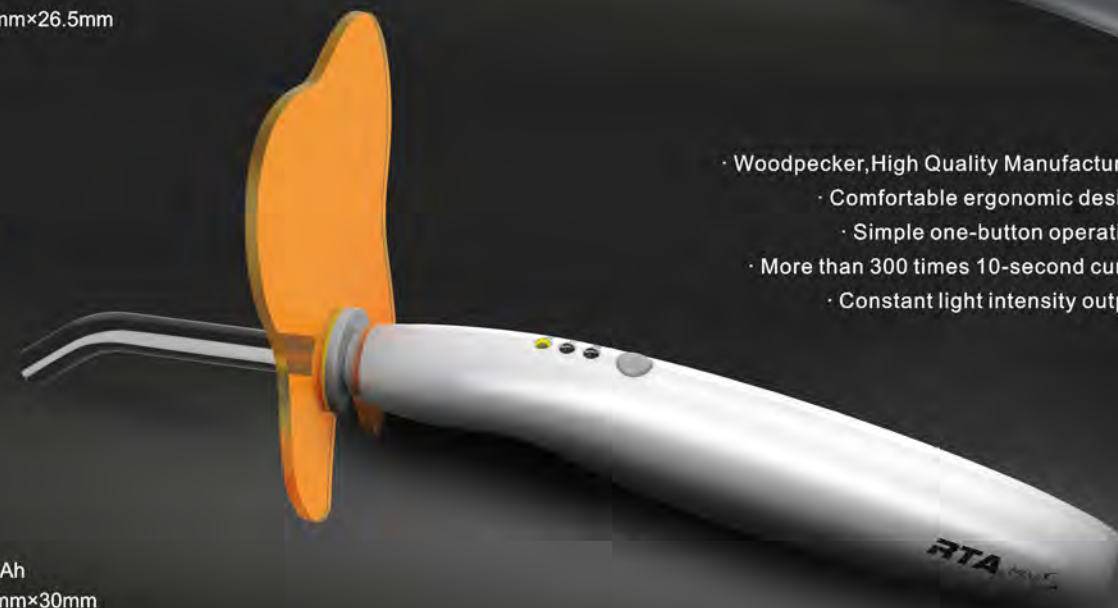
- Sealed, connect to dental unit.
- Time setting: 10s, 20s, 30s.
- Working mode: Full.



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

Advantages of Woodpecker Curing Light

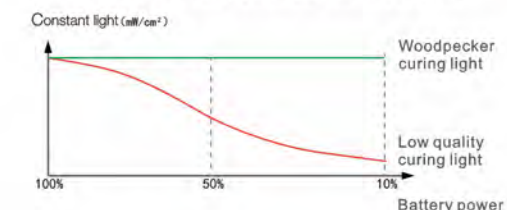
58 National Patents 19 Invention Patents

1.CONSTANT LIGHT

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

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

**2.BATTERY**

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

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



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

3.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.

**4.OPTICAL FIBER**

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



www.woodpecker.cz



KINGKONG series drop
Resistant dental handpiece

DURABLE AND SOLID LIKE DIAMOND

Even drop and collide, still work excellently

58 National Patents **19** Invention Patents





Power Contrast

The chuck type handpieces grip same brand burs for test under 0.22 MPa air pressure

Brand	Woodpecker's New Handpiece	A well-known Asian brand	A Domestic Brand
Power (N)	2.6	2.95	1.76
Conclusion	The power of Woodpecker's new handpiece is close to the well-known Asian brand! 47.8% higher than the domestic brand!		

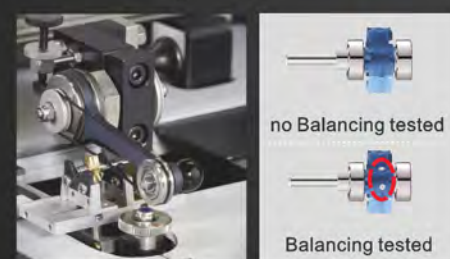
Drop-resistant

The head of the handpiece is made of stainless steel
The cartridge won't be damaged after vertically dropping from a height of 1 meter



Brand	Before dropping		After dropping		Test result
	Rotate speed (Ten thousand rmp/min)	Noise (dB)	Rotate speed (Ten thousand rmp/min)	Noise (dB)	
WOODPECKER	38.8	65.7	37.5	69.5	Working normally
An Asian famous brand	38.9	64.3	/	/	Unable to work
A Chinese brand	36.4	68.2	/	/	Unable to work

Balancing test



The longer using life



Every cartridge perfectly passes the balancing test, with more stable operation, longer life and less noise!

POWERFUL · TREMENDOUS

The Power was upgraded

38.1%



Wrench type

Push button type

Dental Turbine Handpiece

27



M4



B2



Model	HL11-M4/B2	HL13-M4/B2	HP11-M4/B2
Type	Standard Wrench	Super torque	Standard Push button
Characteristics	>Standard head >Easy-replacement cartridge >Compatible with NSK	>Super torque, super power >Easy-replacement cartridge >Compatible with NSK	> High power output with standard head >Bur will never fly out >Anti-Retracton structure
Air pressure	0.18~0.22MPa	0.25~0.27MPa	0.18~0.22MPa
Water pressure	0.2MPa (2.0bar)	0.2MPa (2.0bar)	0.2MPa (2.0bar)
Rotation speed	370,000~430,000rpm	300,000~400,000rpm	350,000~430,000rpm
Head height	12.8mm	13.0mm	13.7mm
Head diameter	Φ 10.2mm	Φ 13.1mm	Φ 10.5mm
Noise	<70dB	<70dB	<70dB



M4



B2

US-II LED

Woodpecker core technology, reliable cutting efficiency professor

38 patents, 9 invention patents

13 years of R&D, 27 years' Ultrasonic Technology Professor

Exported to 66 countries,including Germany, Switzerland, Italy etc.



Equipped with x2



Three modes: bone cutting mode, root mode, clean mode.
Application: stomatology, plastic and reconstructive surgery, orthopedic surgery, such as osteotomy, osteoplasty and bone collection.
Handpiece and cable are autoclavable.
Perfect alarm system ensures the safety of operation and machine.

www.woodpecker.cz

Ultrasony

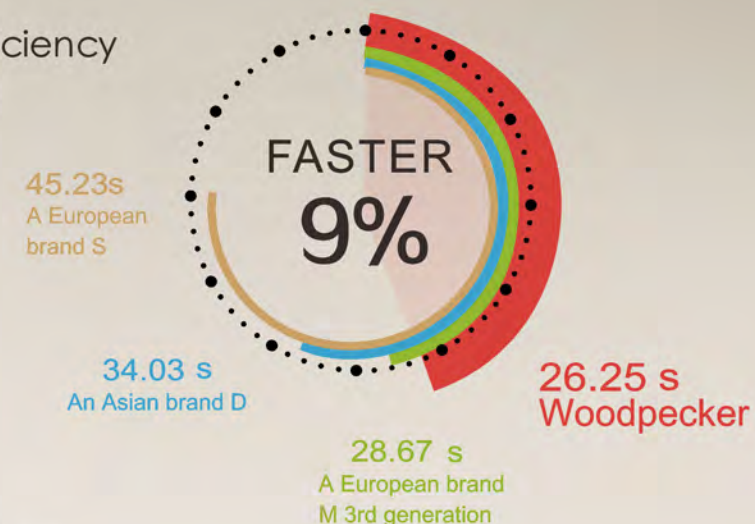
28

US-II, as the product with the core technology of Woodpecker:
owns complete clinical monitoring system, guarantee the safety;
adopts Cascade Fixed Frequency, with more steady and efficient vibration matching;
with developed spare parts, more close to and focus on clinical practice.
Industrial design patent No.: CN 200830301694.8



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

Comparison of cutting efficiency
with other famous brands

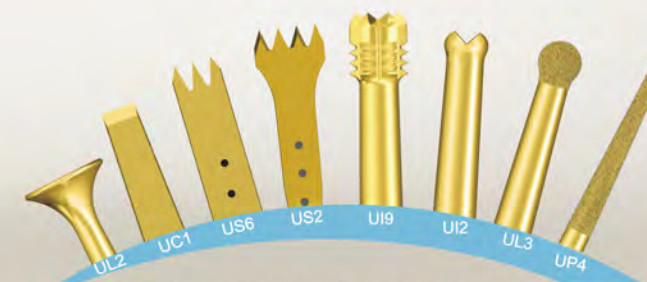


SAFE

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

NEWLY DEVELOPED HANDPIECE

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

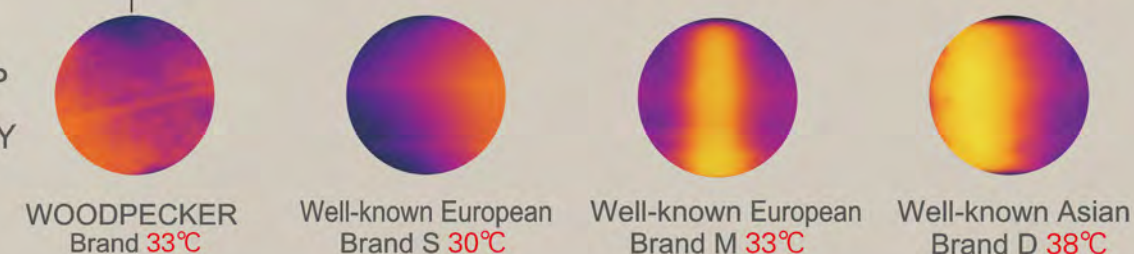


Micrometric cuts, Selective cuts,
No harm to soft tissue

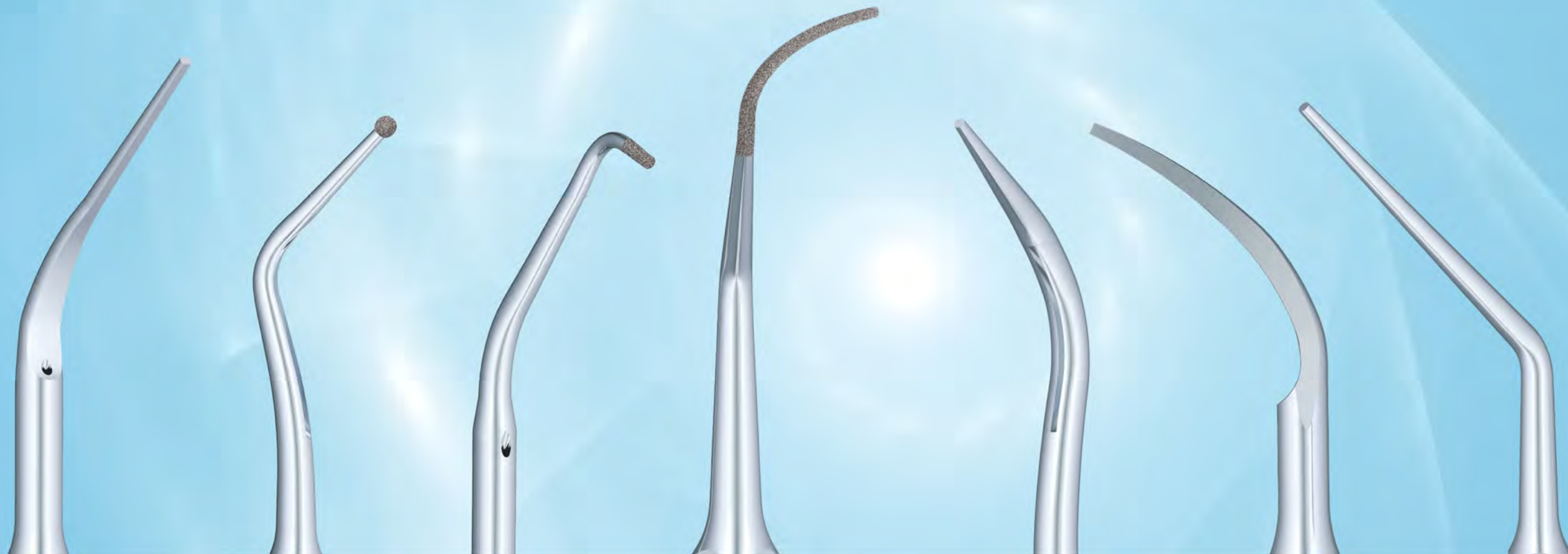


HIGHLIGHT LAMP
CLEAR VISIBILITY

WORKING 10 MIN UNDER FULL POWER
TEST THE TEMPERATURE OF HANDPIECES



More powerful than you imagine



Please use the correct scaler tip

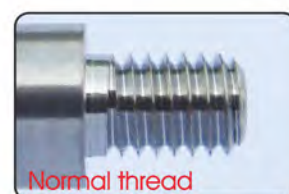


Tips marked with  connected to handpiece marked with **DTE** will lead to serious problem.



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

 Three 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

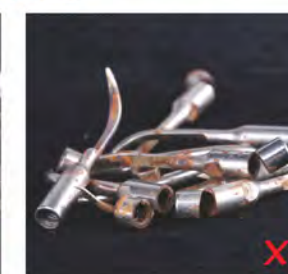
The comparison between Woodpecker tip and disposable tip made in China



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



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



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

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

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

Scaling

G1







Supragingival scaling

G2







Supragingival scaling

G3







Supragingival scaling

G4



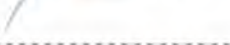




Supragingival scaling

G5



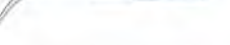




Supragingival scaling

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







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

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)

窝洞制备

SB1



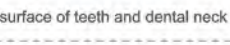




Removing the caries on occlusal surface of teeth and dental neck

SB2







Removing the caries on Mesial surface of the adjacent teeth

SB3







Removing the caries on Distal surface of the adjacent teeth

G31



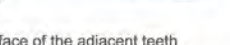




Preparation of mesiooclusion cavity

G33







Preparation of teeth veneer

SBL



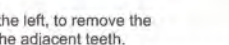




Half ball diamond tip. Set 45° to the left, to remove the carious teeth without damaging the adjacent teeth.

SBR







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

G30



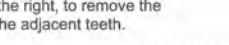




Preparation between pits and fissures

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



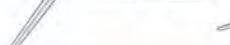




For the lateral thermal condensation of gutta-percha

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



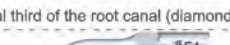


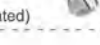


For retreatments and remove hard materials (diamond-coated)

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







Remove calcification in root canal, root canal cleaning and enlargement

E15D







Remove calcification in root canal, root canal cleaning and enlargement



Tip with excellent tenacity is used for root canal cleaning

File size: 32.5mm×2.5mm

Handpiece size: Φ0.68mm~0.71mm

K-file taper: 2%

Each kit with six pieces, one kit for one model

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

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

Osteotomy of precision in the thin regions

US4

Bone remodeling and bone chip harvesting

US5

Bone remodeling and bone chip harvesting

US6

Precise osteotomy

Sinus lifting

UL1

120° Peeling of the sinus membrane

UL2

Peeling of the sinus membrane

UL3

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

UL4

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

UL5

Peeling of the sinus membrane (angle: 95°)

Endodontic

UE1

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

UE2

Soft apical root debridement

UE3

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

UE4

Soft apical root debridement

Exelcymosis

UC1

Used for cutting ligaments, minimally damage exelcymosis

UC3

Used for cutting ligaments, minimally damage exelcymosis

UC2

Used for cutting ligaments, minimally damage 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 planing (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.

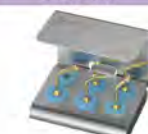
UP7

Bone remodeling and root canal enlargement (diamond-coated)

*The size of diamond grit is 40μm.

Ultrasonography Tip Kit

Basic Kit



Include: US2/US3
US4/US5/UC1

Sinus Lifting Kit



Include: UL1/UL2
UL3/UL4/UL5

Bone Surgery Kit



Include: US1/US2
US1L/US1R/US6

Exelcymosis Kit



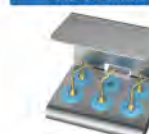
Include: UC1/UC2
UC3/UC2/UP3

Periodontal Surgery Kit



Include: US4/UP2
UP4/UP5/UP7

Endodontic Kit



Include: UE1/UE2
UE3/UE4/US4

Implantation Kit



Include: UI1/UI2
UI7/UI8/UI9

Handpiece for Ultrasonic scaler

HW-6L

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



Weight	44g
Dimensions	101mm×Φ18mm

HW-6

· USED FOR: WOODPECKER scalars with detachable handpiece, without light



Weight	52g
Dimensions	111mm×Φ17.5mm

HW-5L

· USED FOR: WOODPECKER scalars with detachable handpiece, with light, better 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 scalars 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 New!

· 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-qualified material, it is safe and durable.
- Pneumatic water control ensures consistency in water pressure.
- Compatible with scalars of any brands.
- Delicate in design, small in space occupation.



Autoclavable set
Handpiece×1
Torque wrench×1
Endo wrench×1
(6 tips optional)



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



TW-1L Torque wrench
← Hold the tips.

TW-1 Torque wrench
← Can not hold
the tips.



TW-2L Torque wrench
Hold the tips.



TS-1L Torque wrench
For Sirona scaler tips.



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



TW-3 Wrench

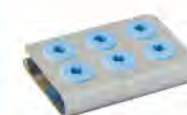


TW-E1 Endo wrench
Used for changing the
ultrasonic U-file and
screwing / unscrewing
the endo chuck

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



Diaphragm pump



1# Tip holder



2# Tip holder



Foot switch(round)



Quick connector



File stand



Peristaltic pump



Foot switch(square)



LED lamp

Spare parts for dental turbine handpiece



Spare parts for apex locator



Spare parts for ultrasurgery



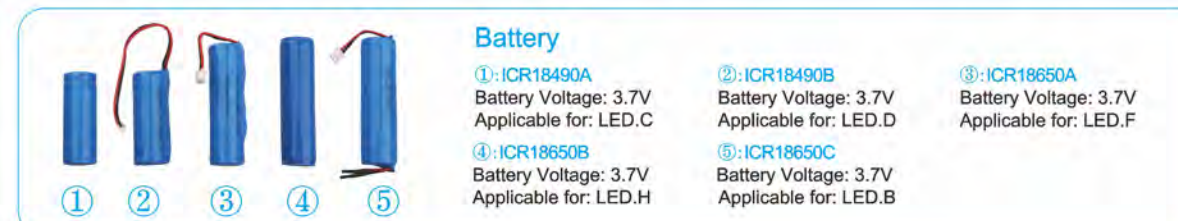
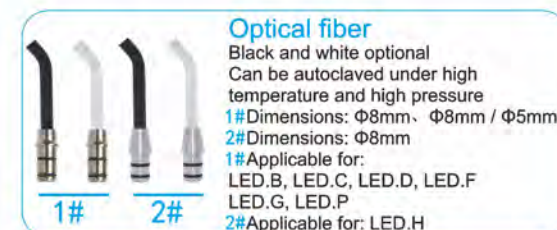
ULTRASURGERY handpiece: Cable and handpiece can be autoclaved together.

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.



www.woodpecker.cz