



214 patents, 45 of them are patents of invention ·Exported to 119 countries



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



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PREMIER DENTAL  
www.premier-dental.com.ua

**CATALOGUE**

# Guilin Woodpecker Medical Instrument Co., LTD.

## Far Ahead in Ultrasonic Scaler Production and Sales Globally

- 26 years focused on dental area, integrating R&D, production and sales
- 7 categories of products, winning 85% domestic market share
- 634 dealers in China and exported to 119 countries
- 26841 m<sup>2</sup> base at present, 80000 m<sup>2</sup> base which is under construction
- 16 million dollar CNC center and laboratory
- 300 employees in total, 75% of who has college degree or above, 18.6% of who are R&D- specialized
- 214 independent intellectual patents and 45 invention patents



Birdview of company



Office building



Library



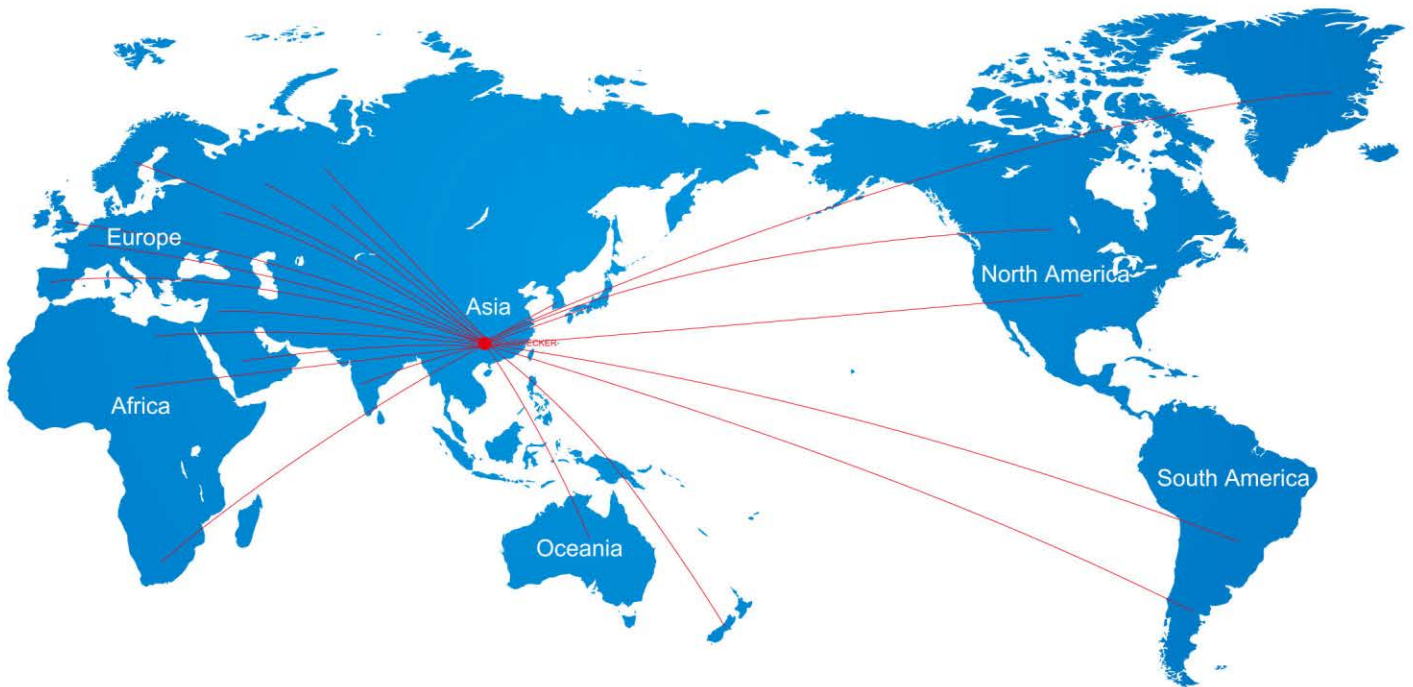
Lecture hall



Show room



Woodpecker products have been exported to 119 countries around the world



Europe 38 countries

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

Asia 43 countries

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

America 20 countries

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

Africa 16 countries

- |              |              |
|--------------|--------------|
| Egypt        | Madagascar   |
| Morocco      | Mauritius    |
| South Africa | Ghana        |
| Sudan        | Burkina Faso |
| Tunisia      | Senegal      |
| Libya        | Reunion      |
| Nigeria      |              |
| Kenya        |              |
| Zimbabwe     |              |
| Algeria      |              |

Oceania 2 countries

- Australia
- New Zealand

All staff of Woodpecker



# 26 years of brand heritage

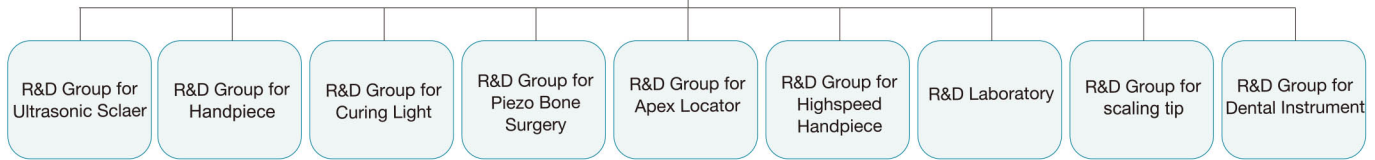
Made in China German quality

High quality Durable Innovative

## First -class R & D team in dental industry

Constituted of 9 teams specializing on each products in Woodpecker. Woodpecker now has 52 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

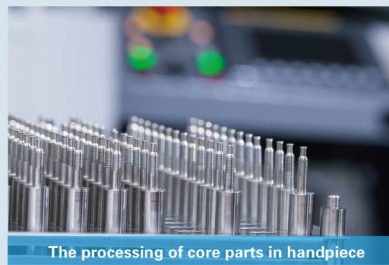
### Woodpecker R & D center's structure



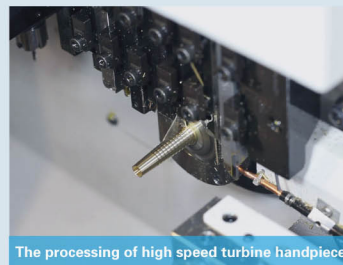
## Advanced processing equipment in dental industry



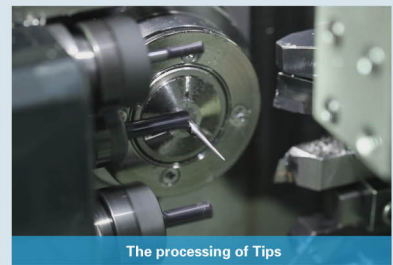
Image Dimension Measuring System



The processing of core parts in handpiece



The processing of high speed turbine handpiece



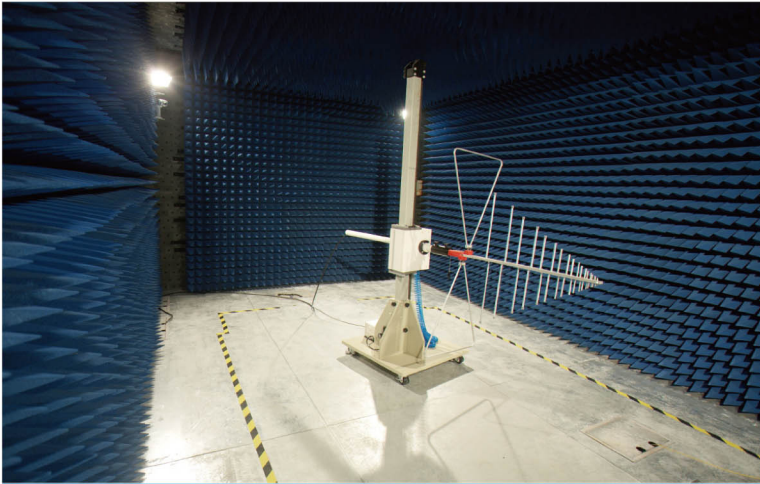
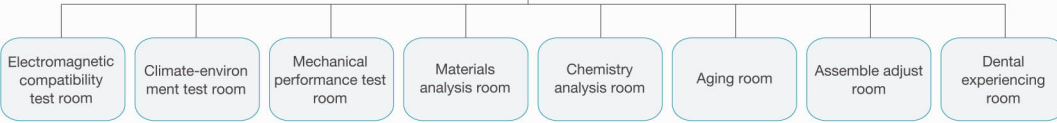
The processing of Tips

- Invest 11.33 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 1280m<sup>2</sup>, 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 Chinesedental industry which costs 0.76 million USD



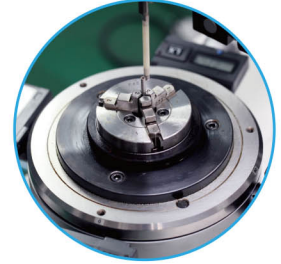
**Mechanical environmental laboratory** Simulate various extreme mechanical environments to ensure high-quality of products



**Climate Environmental Laboratory** Simulate different extreme climate environments to ensure high-quality of products [www.premier-dental.com.ua](http://www.premier-dental.com.ua)



**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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KINGKONG series drop  
Resistant dental handpiece

New Arrivals

# DURABLE AND SOLID LIKE DIAMOND

**Even drop and collide, still work excellently**





New Arrivals



# New Arrival!

***Apex Locator***

***DPEX III***

---

Accurate Reliable Safe

***DTE***®

The **most accurate** APEX LOCATOR  
in China.

Keep up with the global highest standard

Sell well in Europe and America  
for over **57** countries





The ***most accurate*** APEX LOCATOR in China.

Keep up with the global highest standard

Sell well in Europe and America for over **57** countries

### Accuracy >

- Adopting latest multi frequency apical positioning technology, avoid the influence of subjective factors for measurement results.
- Measuring results are not affected by the tooth type or root canal internal environment.

### Reliability >

- Real time display the moving of file in the root canal.
- Unique amplification display for the apex area.

### Safety >

- Reduce X ray radiation.
- Avoid overfilling or underfilling.

## Accuracy comparison between DTE and Japanese S brand

Method: Divide 327 patients of pulpitis or periapical periodontitis into 2 groups: Measure the length of root canal with apex locator only, then combine with X ray film to measure again, and finally compare the accuracy of the two groups.

Group	Quantity of root canal measured	Apex locator measuring result		Apex locator combine with X ray film measuring result	
		Quantity	Accuracy	Quantity	Accuracy
Japanese S brand	602	525	87.21%	579	96.18%
DTE	581	492	84.68%	544	93.63%

Literature Cited : Lijun Wen, Yuanpin Gu. Comparison between Root ZX and Woodpex I used in root canal therapy.

## The defect of traditional measurement method

### Disadvantage of handing method

- Based on hand feeling and patient's pain, dentists decide whether the measuring tool reaches apical foramen, with high subjectivity and low accuracy. Foreign literature suggest that providing the range of error  $\pm 0.5$  mm , accuracy of handing method is only 42%.

### Disadvantage of X ray film

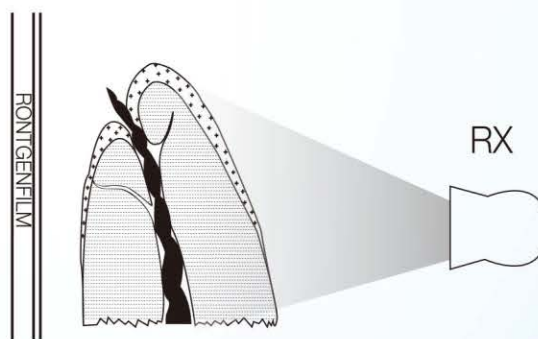
- 3D structure shooting at 2D plana, because of different angle, easily getting wrong data.
- Apical foramen can't be shown in the X ray film, for over 80% apical foramens are in the side edge instead of apex.



X ray film shows under-filling



Actually it is over-filling



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

## Comparison of spare parts quantity

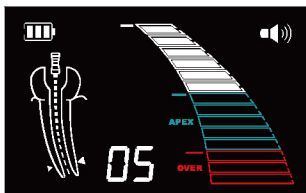
Spare parts	Quantity			
	Japanese S brand	American D brand	German V brand	Woodpecker
File clip	3	2	2	4
Measuring file	0	2	1	2
Tester	1	0	1	1
Lip hook	5	2	2	2
Measuring wire	1	1	1	1

# DPEX III New!

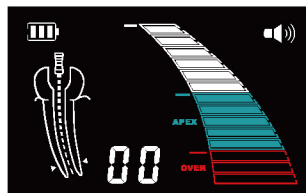
- LCD screen, the trajectory of the file can be clearly shown with different color.
- Advanced multiple frequency technology, automatic calibrating ensures the accurate of the measurements.
- Autoclavable file clip, lip hook, measuring file. Effectively avoiding cross infection.
- Foldable, adjustable viewing angle.

Battery	3.7V/750mAh
Power consumption	≤0.5W
Screen	4.5"LCD
Main unit weight	385g
Dimensions	138mm×77mm×107mm

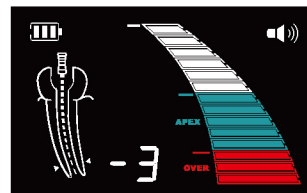
Industrial design patent No.:CN 201130378913.4



When the file reaches the front region of the apical foramen, the black bars displayed.



When the file reaches the position nearby the apical foramen, the green bars displayed.



When the file exceed the apical foramen, the red bars display with a continuous beep sound.

# DPEX I

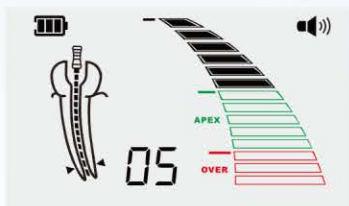
- LCD screen, the trajectory of the file can be clearly shown with different color.
- Advanced multiple frequency technology, automatic calibrating ensures the accurate of the measurements.
- Autoclavable file clip, file hook, file probe. Effectively avoiding cross infection.
- Different beep sounds remind the position of the file in the root-canal.

Power	3 pieces AAA alkaline batteries
Power consumption	≤0.3W
Screen	4.9" LCD
Main unit weight	395g
Dimensions	105mm×142mm×40mm

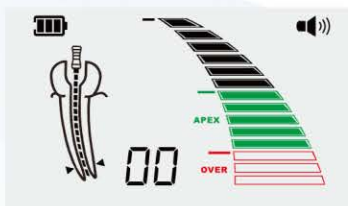
Industrial design patent No.: CN 201130378728.5



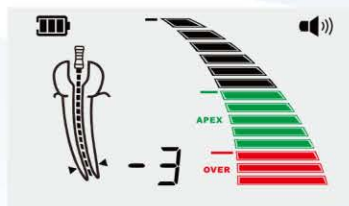
Apex Locator



When the file reaches the front region of the apical foramen, the black bars displayed.



When the file reaches the position nearby the apical foramen, the green bars displayed.



When the file exceed the apical foramen, the red bars display with a continuous beep sound.

KINGKONG series drop  
Resistant dental handpiece

**Newly  
upgraded**



Dental Turbine  
Handpiece

**Drop-resistant**  
**Durable**  
**Reliable**

### Drop-resistant

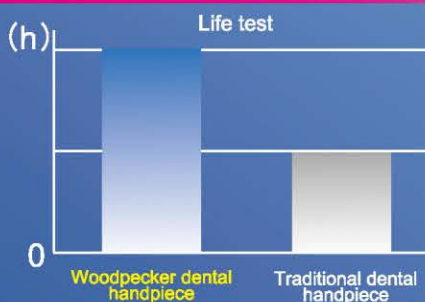
- The head of the handpiece is made of stainless steel
- The cartridge won't be damaged after vertically dropping from a height of 1 meter



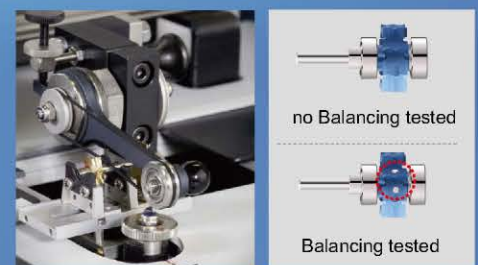
Brand	Before dropping		After dropping		Test result
	Rotate speed (Ten thousand rpm/min)	Noise (dB)	Rotate speed (Ten thousand rpm/min)	Noise (dB)	
DTE	38.8	65.7	37.5	69.5	Working normally
An Asian famous brand	38.9	64.3	/	/	Unable to work
A Chinese brand	36.4	68.2	/	/	Unable to work

### The longer using life

- Every cartridge is perfectly balanced, stable operating



### Balancing test



After balancing test, high-speed turbine handpiece is more reliable with a longer life and less noise.



# Perfect Quality

- > CNC center which values 11.33 million USD, to ensure our products quality.
- > Every cartridge has been tested by Balancing Machine, working stably.

## Delicate Manufacture



CNC imported from Japan

## Lean Assembly



Balancing Machine imported from Germany



Dustless Constant Temperature Workshop



Press machine imported from Germany

## Quality Control



Direct Spectrometer imported from Germany



Roundness Measuring Equipment imported from Japan



Surface Roughness Tester imported from Japan



Micro Hardness Tester imported from Japan



Tachometer Imported from Japan



Noisemeter from Taiwan



Dental Turbine Handpiece

Wrench type

Push button type

Dental Turbine Handpiece



Model	<b>HL11-M4/B2</b>	<b>HL13-M4/B2</b>	<b>HP11-M4/B2</b>
Type	Standard Wrench	Super torque	Standard Push button
Characteristics	<ul style="list-style-type: none"> <li>&gt;Standard head</li> <li>&gt;Easy-replacement cartridge</li> <li>&gt;Compatible with NSK</li> </ul>	<ul style="list-style-type: none"> <li>&gt;Super torque, super power</li> <li>&gt;Easy-replacement cartridge</li> <li>&gt;Compatible with NSK</li> </ul>	<ul style="list-style-type: none"> <li>&gt; High power output with standard head</li> <li>&gt;Bur will never fly out</li> <li>&gt;Anti-Retraction structure</li> </ul>
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



Far Ahead in Ultrasonic Scaler Production and Sales Globally  
26 years focusing on technological innovation, leading brand for Scaler in the world

**Woodpecker Scaler has 90 national patents, 15 national invention patents**  
**More than one million dentists worldwide choose Woodpecker Scaler**

## Efficient ✦

Intelligent power output  
The best working condition of tip  
Higher efficiency

## Stable ✦

Accurate automatic feedback control  
Constant power output  
Stable performance

## Comfortable ✦

Soft cleaning without pain  
Patients feel more comfortable



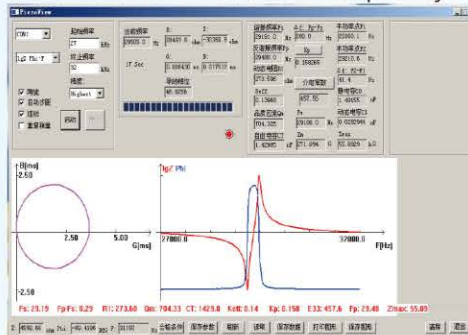
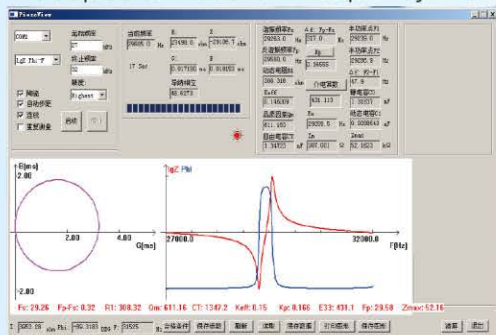
# High quality handpiece

- 1. 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.
- 2. Original handpiece sealing technique, reliable and durable.
- 3. Ergonomics design, more comfortable in use.

# Perfect compatibility

Woodpecker: resonant frequency 29.263kHz

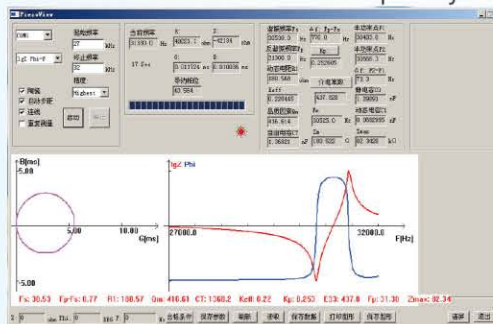
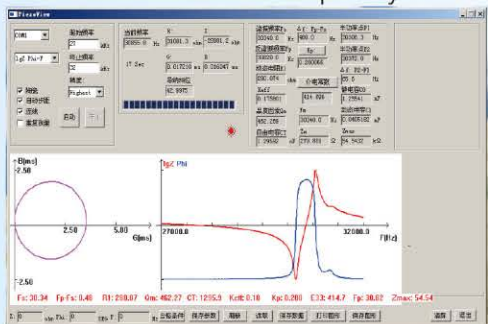
Swiss brand E: resonant frequency 29.191kHz



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

DTE brand: resonant frequency 30.340 kHz

French brand S: resonant frequency 30.530 kHz

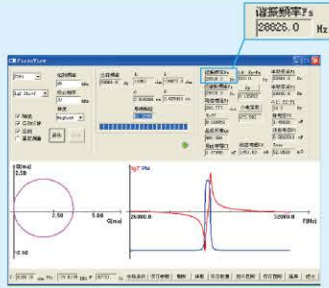


Technical data of DTE detachable handpiece and French brand S handpiece is the same. Handpiece of both brand can be exchanged perfectly.

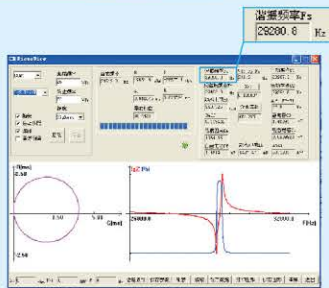


# Perfect compatibility of tip

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

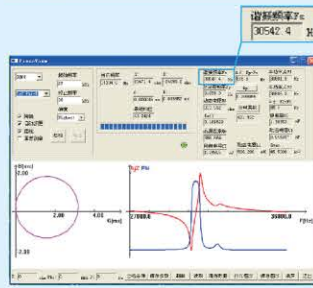


The working frequency of Woodpecker tip working on E brand scaler

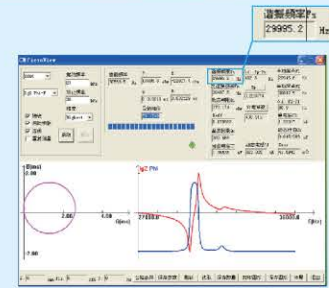


The working frequency of E brand tip working on E brand scaler

The working frequency range of S brand scaler is 28000Hz~36000Hz



The working frequency of DTE tip working on S brand scaler



The working frequency of S brand tip working on S brand scaler

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

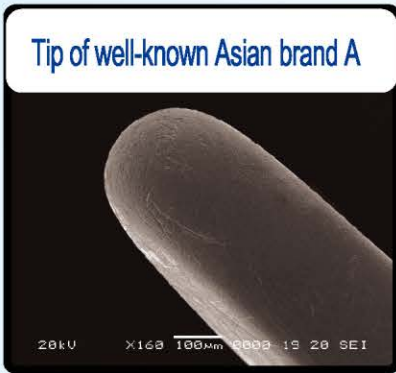
The working condition for DTE tip on S brand scaler is perfect

# 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.

Ultrasonic Scaler



160 times enlarge



# D7 LED

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

- Clinical solutions are applicable for automatic water supply mode, improving the performance of perio and endo function dramatically.
- Detachable handpiece with light, better visibility, autoclavable.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

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	241mm×193mm×97mm

Industrial design patent No.: CN 200830300434.9

Ultrasonic Scaler



# D5 LED

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

- Four colours optional.
- Handpiece with a new technology, patients feel more comfortable.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Power input	110V~ 50Hz/60Hz
	220 - 240V~ 50Hz/60Hz
Main unit input	24V~ 50Hz/60Hz 1.3A
Output power	3W to 20W
Frequency	28kHz±3kHz
Water pressure	0.1bar to 5bar (0.01MPa to 0.5MPa)
Main unit weight	0.65kg
Transformer weight	1kg
Dimensions	188mm×159mm×81mm

Industrial design patent No.:  
CN 200830300446.1



Ultrasonic Scaler

# D2 LED *New!*

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

- The handpiece sleeve can be autoclaved.
- Automatically search the best working frequency.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.
- Built-in power source, easy to install.

Power input	110V~ 50Hz/60Hz
	220 - 240V~ 50Hz/60Hz
Output power	3W~20W
Frequency	28kHz±3kHz
Water pressure	0.1bar~5bar (0.01MPa~0.5MPa)
Main unit weight	1.56kg
Dimensions	227mm×158mm×75mm

Industrial design patent No.:  
CN 201230465752.7



# D3 LED

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

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

Power input	110V~ 50Hz/60Hz 220 - 240V~ 50Hz/60Hz
Main unit input	24V~ 50Hz/60Hz 1.3A
Output power	3W to 20W
Frequency	28kHz±3kHz
Water pressure	0.1bar to 5bar (0.01MPa to 0.5MPa)
Main unit weight	0.66kg
Transformer weight	1kg
Dimensions	198mm×134mm×80mm

Industrial design patent No.:  
CN 200830300447.6



# D1

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

- Two colours optional.
- Sealed handpiece.
- Automatic frequency tracking.
- Automatically search the best working frequency.
- Accurate feedback control and constant power output, ensure a more comfortable feeling to patients.

Power input	110V~ 50Hz/60Hz 220-240V~ 50Hz/60Hz
Main unit input	24V~ 50Hz/60Hz 1.3A
Output power	3W to 20W
Frequency	28kHz±3kHz
Water pressure	0.1bar to 5bar (0.01MPa to 0.5MPa)
Main unit weight	0.62kg
Transformer weight	1kg
Dimensions	203mm×138mm×94mm

Industrial design patent No.:  
CN 200830300433.4







## V3 LED

- Detachable handpiece with light, autoclavable.
- Scaling, endo function.
- 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



## V3 LED

(Detachable handpiece HD-7L)

## V3

(Detachable handpiece HD-7H)



## V2 LED

- Detachable handpiece with light, autoclavable.
- 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 to 20W
Frequency	28kHz±3kHz
Water pressure	0.1bar to 5bar (0.01MPa to 0.5MPa)
Main unit weight	0.2kg
Dimensions	74mm×56mm×38mm



## V2 LED

(Detachable handpiece HD-7L)

## V2

(Detachable handpiece HD-7H)

Ultrasonic Scaler



## V1

- 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 to 20W
Frequency	28kHz±3kHz
Water pressure	0.1bar to 5bar (0.01MPa to 0.5MPa)
Main unit weight	0.2kg
Dimensions	74mm×56mm×38mm



## V1

(Sealed handpiece HD-1)

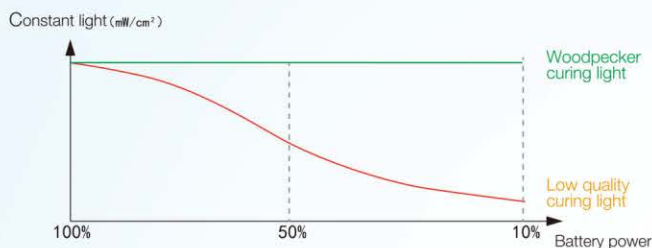
# Pioneer in China, Expert in LED curing light !

**12** years professional technology, **38** patents,  
Global sales over **500,000** units !

## Advantages of DTE Curing Light

### 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.Optical fiber

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



### 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.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](http://www.glwoodpecker.com)), click on video and watch *Battery High Temperature Test*.



**Pedestal**  
Light intensity indicator and light intensity measure point



## LUX E *New!*

- 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.

Power input	AC100V to 240V 50Hz/60Hz
Light output	1000mW/cm <sup>2</sup> -1200mW/cm <sup>2</sup>
Net weight	147g
Dimensions	260mm×40mm×50mm

Industrial design patent No.:CN 200930321063.7



Optional colors

## LUX VI *New!*

- Ergonomic design, small and convenient
- Special light hood and holder design, high-effectively filtering light
- Three working modes: Full, Ramping, Pulse.
- Time setting: 5s, 10s, 15s, 20s
- A full charge can be used for over 300 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.

Power input	AC100V to 240V 50Hz/60 Hz
Light output	1000mW/cm <sup>2</sup> -1200mW/cm <sup>2</sup>
Net weight	100g
Dimensions	234mm×26mm×26mm

Industrial design patent No.: CN 201230421494.2

Curing light



## LUX I *New!*

- 220 degrees head rotation.
- Disposable sleeve: Save autoclaving time.
- Easy-to-change battery.
- Automatic memory. Avoid setting frequently.
- Stable output of light intensity, the solidification effect is not affected by the consumption of remaining power.
- Efficient transfer from electricity into light. A full charge can be used more than 400 times continuously under 10s working time.

Power input	AC100V to 240V 50Hz/60Hz
Light output	850mW/cm <sup>2</sup> -1000mW/cm <sup>2</sup>
Net weight	230g
Dimensions	79.5mm×79.5mm×261mm

Industrial design patent No.:CN 201230045664.1

Curing light



## LUX V

- Large capacity battery. A full charge can be used for more than 300 times continuously under 10s working time mode.
- Low standby power consumption with twenty days` standby time.
- Constant light intensity. The solidification effect is not affected by the consumption of remaining power.
- Power indicator.
- Suitable for both right or left hand operation.

Power input	AC100V to 240V 50Hz/60 Hz
Light output	1000mW/cm <sup>2</sup> -1200mW/cm <sup>2</sup>
Net weight	85g
Dimensions	263mm×31mm×23.5mm

Industrial design patent No.:CN 201130028451.3



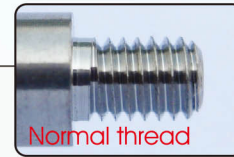
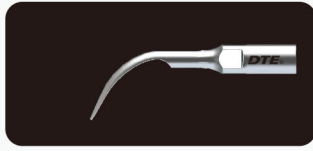
More powerful than you think.

Tips

# Please use the correct scaler tip



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



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

Three kinds of damages are not covered under warranty.

## The comparison between DTE tip and disposable tip made in China



DTE 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 DTE tip and other tips made in China after sterilization



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!




Tips




## Scaling




**GD1**     
Supraperforator scaling




**GD2**     
Supraperforator scaling




**GD3**     
Supraperforator scaling




**GD4**     
Supraperforator scaling




**GD5**     
Supraperforator scaling




**GD6**     
Supraperforator scaling

**GD7**     
Remove dental crown

**GD8**     
Remove dental pile, with irrigation

**GD9**     
Supraperforator scaling

**GD10**     
Supraperforator scaling

**GD11**     
Orthodontic treatment

## Periodontics


**PD1**     
Periodontal scaling

**PD3**     
Periodontal scaling

**PD4**     
Periodontal scaling

**PD3D**     
Smoothing restoration overhangs and debride in-depth root (diamond-coated)




**PD2L**     
Periodontal scaling




**PD2R**     
Periodontal scaling




**PD2LD**     
Remove calculus from narrow inter-root spaces (diamond-coated)




**PD2RD**     
Remove calculus from narrow inter-root spaces (diamond-coated)


## Cavity preparation

**SBD1**     
Removing the caries on occlusal surface of teeth and dental neck

**SBD2**     
Removing the caries on Mesial surface of the adjacent teeth

**SBD3**     
Removing the caries on Distal surface of the adjacent teeth

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

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



ED1

120° angle holder, for root canal cleaning



ED2

95° angle holder, for root canal cleaning



ED3

For the lateral thermal condensation of gutta-percha



ED3D

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



PD4D

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



ED4

Remove obstructions and broken instruments in the root canal



ED4D

For retreatments and remove hard materials (diamond-coated)



ED5

Remove root canal fillings and broken instruments in the coronal third



ED5D

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



ED8

Burs holder, used to expand root canal and grind teeth



ED9

Burs holder, used to expand root canal and grind teeth



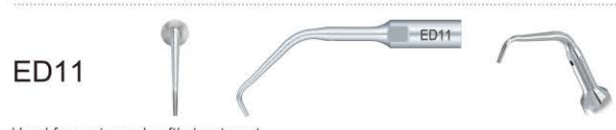
ED10

Used for root canal softly treatment



ED10D

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



ED11

Used for root canal softly treatment



ED11D

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



ED14

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



ED15

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



ED14D

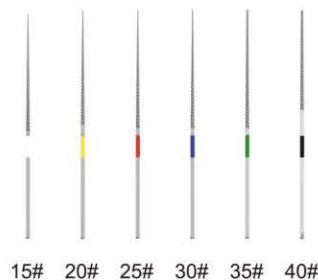
Remove calcification in root canal, root canal cleaning and enlargement



ED15D

Remove calcification in root canal, root canal cleaning and enlargement

### NITI K-File



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



## Scaling

**GD1T**  **GD1T**

Supragingival scaling

**GD2T**  **GD2T**

Supragingival scaling

**GD3T**  **GD3T**

Supragingival scaling

**GD4T**  **GD4T**

Supragingival scaling

**GD5T**  **GD5T**

Supragingival scaling

**GD6T**  **GD6T**

Supragingival scaling

**GD7T**  **GD7T**

Remove dental crown

**GD8T**  **GD8T**

Remove dental pile, with irrigation

**GD9T**  **GD9T**

Supragingival scaling

**GD10T**  **GD10T**

Supragingival scaling


## Endodontics

**ED1T**  **ED1T**


120° angle holder, for root canal cleaning

**ED2T**  **ED2T**

95° angle holder, for root canal cleaning

**ED3T**  **ED3T**


For the lateral thermal condensation of gutta-percha

**ED4T**  **ED4T**

Remove obstructions and broken instruments in the root canal

**ED5T**  **ED5T**


Remove root canal fillings and broken instruments in the coronal third

**ED8T**  **ED8T**


Burs holder, used to expand root canal and grind teeth

**ED9T**  **ED9T**


Burs holder, used to expand root canal and grind teeth

**ED10T**  **ED10T**


Used for root canal softly treatment

**ED11T**  **ED11T**

Used for root canal softly treatment

**ED14T**  **ED14T**

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

**ED15T**  **ED15T**

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

Tips

Periodontics **New!**



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



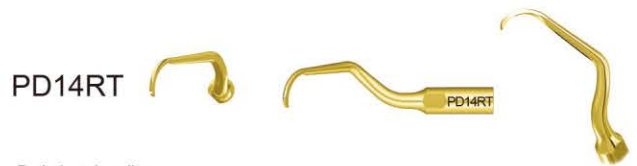
Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling



Periodontal scaling

Tips

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

Tips

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

# Handpiece for Ultrasonic scaler

## HD-7L

- USED FOR: DTE scalers with detachable handpiece, with light, better view, autoclavable. Plastic head and metal head are optional.



Weight	63g
Dimensions	111mm×Φ20.5mm



Weight	57g
Dimensions	111mm×Φ20.5mm

## HD-7H

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



Weight	57g
Dimensions	117mm×Φ21mm



Weight	57g
Dimensions	117mm×Φ21mm

## HD-2L New!

- USED FOR: D2 LED, with light, better view, handpiece sleeve is autoclavable
- Three colours optional to the handpiece sleeve (green/ blue/ amethyst).



· Three colours optional



Weight	156g (+cable)
Dimensions	140mm×Φ20mm

## HD-1

- USED FOR: D1/V1.



Weight	124g (+cable)
Dimensions	125.7mm×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 scalers of any brands.
- Delicate in design, small in space occupation.









 <p><b>Autoclavable set</b> Handpiece×1 Torque wrench×1 Endo wrench×1 (6 tips optional)</p>	 <p><b>Detachable cable</b> With different connectors, available for handpiece HD-7H, HD-7L respectively</p>			
 <p><b>TD-1L Torque wrench</b> ← Hold the tips. <b>TD-1 Torque wrench</b> ← Can not hold the tips.</p>	 <p><b>TD-2L Torque wrench</b> Hold the tips.</p>			
 <p><b>TD-E1 Endo wrench</b> Used for changing the ultrasonic U-file and screwing / unscrewing the endo chuck <b>TD-A wrench</b> For replacement of dental burs and burs holder</p>	 <p><b>TD-4L Torque wrench</b> For DTE and SATELEC scaler tips <b>TS-4L Torque wrench</b> For Sirona scaler tips <b>TK-4L Torque wrench</b> For Kavo scaler tips</p>			
 <p><b>TW-3 Wrench</b></p>	 <p><b>Peristaltic pump</b></p>	 <p><b>1# Tip holder</b></p>	 <p><b>2# Tip holder</b></p>	 <p><b>Foot switch(round)</b></p>
 <p><b>LED lamp</b></p>	 <p><b>File stand</b></p>	 <p><b>Foot switch(square)</b></p>	 <p><b>Quick connector</b></p>	 <p><b>Diaphragm pump</b></p>

## 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)	 Cap spanner applicable for HP13-M4/B2 HL11-M4/B2	 Cap spanner applicable for HL11-M4/B2	 Cap spanner applicable for HL13-M4/B2	 Cap spanner applicable for HP11-M4/B2

## Spare parts for apex locator

 Lip hook	 Measuring wire	 File clip	 Measuring file	 Tester	 Endo ruler
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## Spare parts for curing light

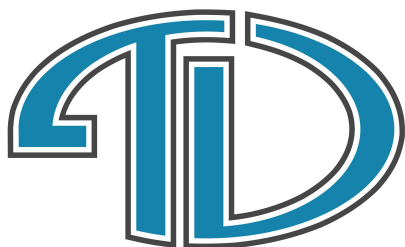
 <b>Optical fiber</b> Black and white optional Can be autoclaved under high temperature and high pressure 1# Dimensions: Φ8mm 2# Dimensions: Φ8mm 1# Applicable for: LUX E 2# Applicable for: LUX V, LUX VI	 For LUX I, LUX E      For LUX V, LUX VI	<b>Adapter</b> Power input: AC100V-240V 50Hz/60Hz Output voltage/current: DC 5.0V/1.0A		
 1#      2#      3# <b>Light hood</b>	 ①      ②      ③ <b>Battery</b> ①: ICR14500 Battery Voltage: 3.7V Applicable for: LUX V, LUX VI ③: ICR18490B Battery Voltage: 3.7V Applicable for: LUX I ②: ICR18490A Battery Voltage: 3.7V Applicable fo LUX E			
 Lightmeter	 Bathymeter	 Disposable sleeve for LUX I	 LED lamp 3W, 5W	 Glasses

## **Guilin Woodpecker Medical Instrument Co., LTD.**

**Global Leader in Ultrasonic Scaler Manufacturing Enterprises**



WOODPECKER international dental industrial base.



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[www.premier-dental.com.ua](http://www.premier-dental.com.ua)