

WOODPECKER HW-3H Scaler Handpiece at Unbeatable



# WOODPECKER HW-3H Scaler Handpiece at Unbeatable Instruction Manual

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**WOODPECKER HW-3H Scaler Handpiece at Unbeatable**



## FAQ

### Frequently Asked Questions

- **Q:** What should I do if the handpiece doesn't work?
  - **A:** Check if the tip is loose and tighten it. If the issue persists, contact your dealer for repair.
- **Q:** How do I ensure proper installation of tips?
  - **A:** Use a torque wrench to securely fix the tip to the handpiece. Only use WOODPECKER brand scaling tips.
- **Q:** How should I store the equipment?
  - **A:** Store the equipment in a cool, dry, and ventilated place away from vibrations. Do not store it with other items.

### Introduction of product

#### Foreword

Guilin Woodpecker Medical Instrument Co., Ltd. is a professional manufacturer in researching, developing and producing dental equipment which has a wholesome quality assurance system. There are two brands of WOODPECKER company: WOODPECKER and DTE. Products include ultrasonic scaler, curing light, apex locator and ultrasurgery, etc.

#### Description of device

Handpiece of Ultrasonic Scaler HW-3H is the accessory of WOODPECKER series scalers, it is matched the

WOODPECKER brand Ultrasonic scaler of our company. It is the handheld energy transformation part of ultrasonic scaler, by using piezoceramics to transfer electric energy to mechanical energy for eliminate the dental calculus.

## Model And Dimensions

- 1. Model:** HW-3H
- 2. Dimensions:** 117 mm(length) 18mm(diameter) 47g(weight)

## Product performance and structure

- Handpiece of Ultrasonic Scaler HW-3H is composed of cover and ultrasonic transducer.

## Scope of application

1. Handpiece of Ultrasonic Scaler HW-3H is used for the dental calculus elimination when compatible with the scalers UDS-K, UDS-N2 which belong to WOODPECKER.
2. Handpiece of Ultrasonic Scaler HW-3H is used for the dental calculus elimination and root canal cleaning when compatible with the scalers UDS-L, UDS-M, UDS-N3, UDSA, UDS-P, UDS-E which belong to WOODPECKER.

## Contraindication

1. The hemophilia disease patient is not allowed to use this equipment.
2. The patients with heart pacemaker are forbidden to use this equipment.
3. The doctors with heart pacemaker are forbidden to use this equipment.
4. The heart disease patient, pregnant woman and children should be cautious to use the equipment.

## The classification of the device

1. Operating mode: Continuous operation
2. Protection degree against water(used on the pedal): IPX1
3. Degree of safety of application in the presence of a Flammable Anaesthetic Mixture with air or with Oxygen or Nitrous Oxide : Equipment not suitable for being used in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide

## Technical Specifications

### The main technical specifications

- 1. Power source Input:** ~190V-230V
- 2. Output primary tip Vibration excursion:** 1μm~100μm
- 3. Output tip Vibration frequency:** 28kHz±3kHz
- 4. Output half-excursion force:** 0.1N~2N
- 5. Tip's output power:** 3W ~20W

6. **Water pressure:** 0.01MPa ~0.5MPa

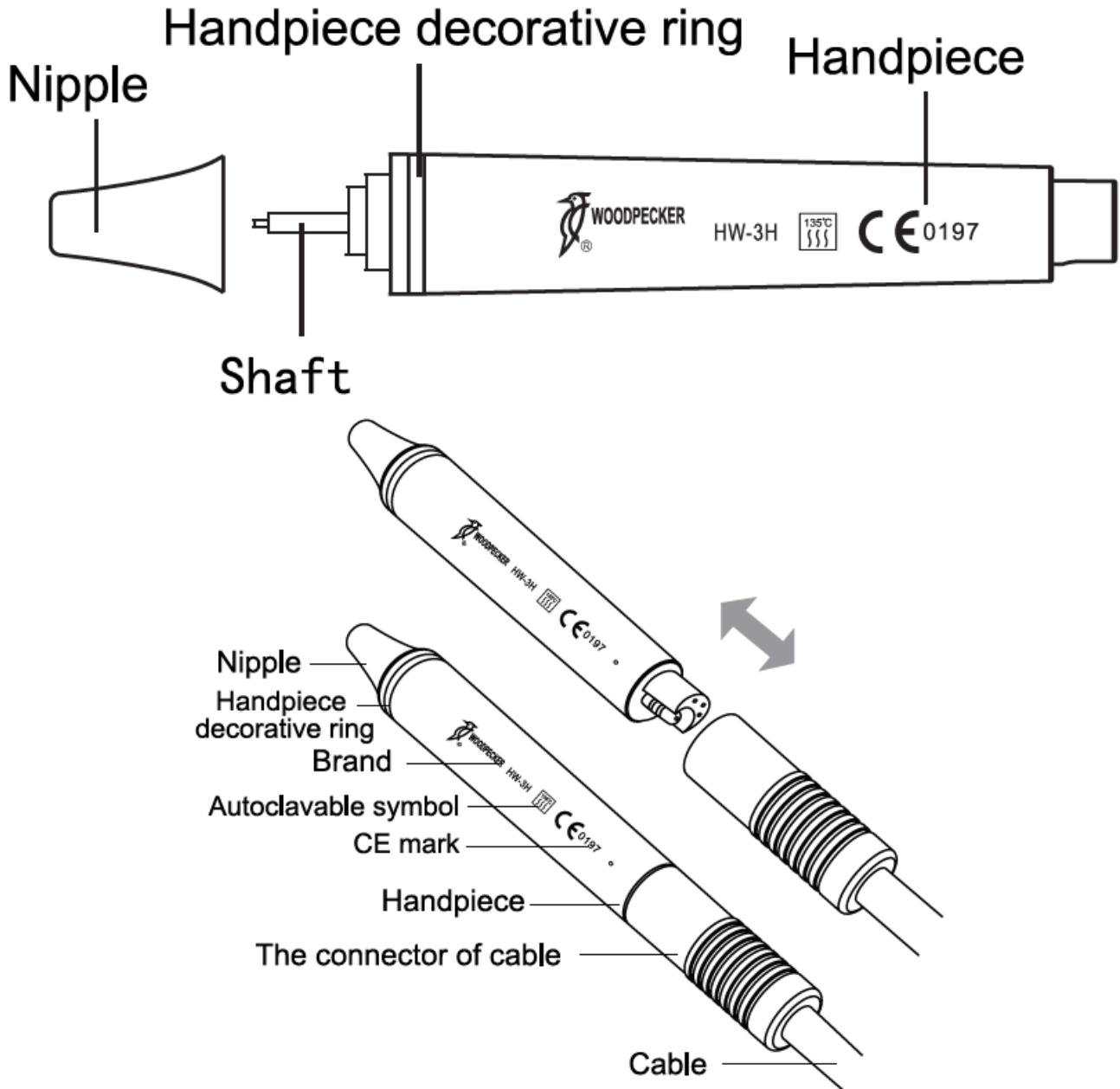
#### **Working condition**

1. **Environmental temperature:** +5°C ~+40°C
2. **Relative humidity:** 30% ~ 75%
3. **Atmospheric pressure:** 70kPa ~106kPa

#### **Installation of the product**

##### **Installation of handpiece**

1. Open the packing box, make sure that all the parts and accessories are complete according to the packing list. Contact with dealer if necessary.
2. Keep dry when the detachable handpiece connects to the connector of the cable before installing the handpiece.

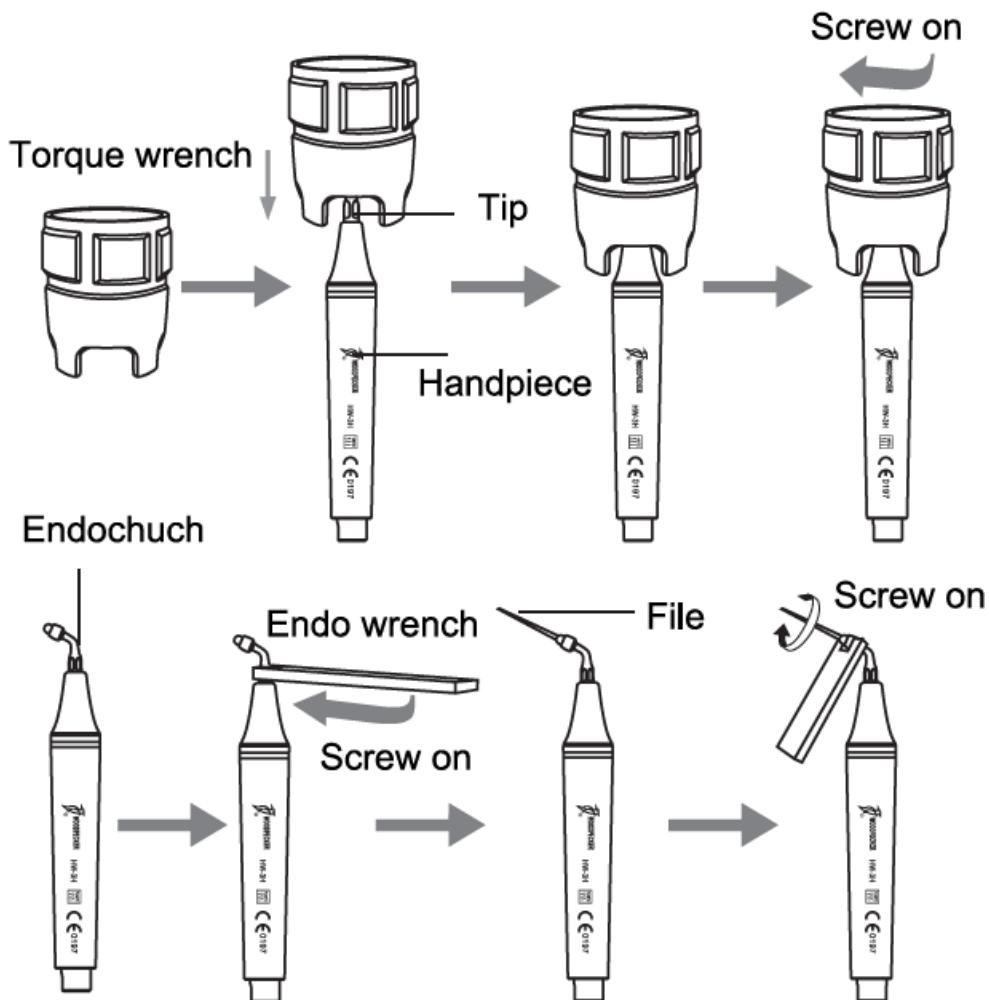


picture 1

3. Make sure that the bottom jack point at the plug, make the handpiece fix to the cable correctly. (Picture 1)

### Installation of tips

1. Fix the tip to handpiece by torque wrench,
2. Please use "WOODPECKER" brand scaling tips.



**picture 2**

3. The installing of the tip and endochuck toward direction as showed in picture 2.

### Product function and operation

#### Scaling function

1. Connect the handpiece and the connector of cable of the main unit of the scaler correctly, and adjust the water and vibration intensity to a suitable level.
2. The handpiece can be handled in the same gesture as a pen in hand.
3. Select a suitable scaling tip as you need, screw it on the handpiece tightly by the torque wrench.
4. During the clinical treatment, be sure not to make the end of tip touch the teeth vertically.
5. Not to make the tip overexert on the surface of the teeth in case of hurting the teeth and damaging the tip.
6. After finishing operation, keep the machine working for 30 seconds on the water supply condition in order to clean the handpiece and the scaling tip.

#### Endo funtion

## Usage process

- Fix endochuck to the handpiece by endo chuck.
- Unscrew the screw cap on the endochuck.
- Put the ultrasonic file into the hole in the front of end chuck.
- Screw down the screw cap with endo wrench to tight up the ultrasonic file.
- Press option key, turn to endo root canal cleaning function.
- Press option key, turn the water and vibration intensity to a suitable level.
- Put the ultrasonic file into the patient's root canal slowly, step on the foot pedal, then make endo root canal cleaning. During the treatment, turn up the power gradually according to the needs.

## Notes

- When fixing endochuck, it must be screwed down.
- The screw on the endochuck must be screwed down.
- Don't press it too much when the ultrasonic file in root canal.
- Don't start up the foot pedal until the ultrasonic file is in root canal.
- The power range is supposed from 1st to 5th grades.
- Please sterilize the endo chuch and handpiece after operation.

## 1. Instruction for main components of detachable handpiece

2. **Nipple:** The nipple can be removed, for easy cleaning.
3. **Handpiece:** The main part of the whole handpiece, can be autoclaved underthe high temperature and pressure.
4. **O ring:** Please lubricate the waterproof O ring with dental lube frequently, as sterilisation and repeated pulling and inserting will reduce their using life. Change a new one once it is damaged or worn excessively.

## Notes

1. Don't knock or rub the handpiece.
2. Don't screw or unscrew the scaling tip and endo chuck when step on the foot pedal.
3. The handpiece, scaling tip, torque wrench, endo wrench and endo chuck must be sterilized before each treatment.
4. The internal screw threat of the scaling tips produced by some manufactures is coarse, rusty and collapsed. This will damage the external screw threat of the handpiece irretrievably. Please use "WOODPCKER" brand scaling tips.
5. We are only responsible for the safety on the following conditions: The maintenance, repair and modification are made by the manufacturer or the authorized dealer.

## Troubleshooting

Fault	Possible causes	Solutions
Handpiece doesn't work	The tip is loosen	Tighten it
	Something wrong with the Handpiece	Take out the handpiece and send it back for repair
	Something wrong with the Cable	Contact our dealers or us
	The connect plug between the cable and circuit board is loosen	Contact our dealers or us
There is no spray when getting through the electricity	The water control switch is vibrates not on	Turn on the water control switch
	No pressure or low pressure	Check the pressure
There is no water when getting through the electricity	The water control switch is vibrates not on	Turn on the water control switch
	There is impurity in the electric-magnetic valve	Contact our dealers or us
	Contact our dealers or us	Clean the water line by three-way syringe
Low vibration	The tip hasn't been screwed on the handpiece tightly	Screw the tips tightly by torque wrench
	The tip is shaken loose by vibration	Screw on the tip tightly
	The coupling between the handpiece and the cable isn't dry	Dry it, especially the water between handpiece and connector
	The tip is worn out or deformation	Change another tip
The handpiece generates heat	The water control switch is in a low setting	Turn the water control switch to a higher grade
There is water seeping from the coupling between the handpiece and the cable	The waterproof "O ring is damaged	Change a new "O" ring

If the problem still can't be solved, please contact with local dealer or manufacturer.

## Cleaning and sterilization

1. Clean and sterilize the handpiece after using it.
2. Clean the handpiece by pure water before autoclaved, dry it by three-way syringe.
3. Autoclaved under high temperature, pressure, time: 134°C, 2.0bar~2.3bar (0.20MPa~0.23MPa), 4min;
4. Pack the handpiece with sterile gauze or sterile bag before sterilizing. Reuse handpiece after it cools naturally in case of burning hand.

## Notice

1. Clear the cleaning liquid in the handpiece with three-way syringe before sterilisation.
2. Be sure that the scaling tip has been unscrewed from the handpiece and it cannot be sterilized with others.
3. Please notice whether the outer of the handpiece is damaged during the treatment or sterilisation.

4. Please don't smear any protective oil on the surface of handpiece.
5. There are two waterproof "o" rings at the end of handpiece. Please lubricate them with dental lube frequently, as sterilization and repeated pulling and inserting will reduce their using life. Change a new one once it is damaged or worn excessively.

## **6. The following sterilizing methods are forbidden:**

1. Put handpiece into any liquid for boiling.
2. Dip handpiece in disinfectors such as iodine, alcohol and glutaraldehyde.
3. Put handpiece into oven or microwave oven for baking.
4. Put handpiece into ultrasonic cleaner to clean.

## **Storage, maintenance and transportation**

### **Storage, maintenance**

1. The equipment should be handled carefully and lightly. Be sure that it is far from the vibration, and is installed or kept in a cool, dry and ventilated place.
2. Don't store the machine together with the articles that are combustible, poisonous, caustic or explosive.
3. This equipment should be stored in a room where the relative humidity is 10% ~ 93%, atmospheric pressure is 70kPa to 106kPa, and the temperature is -20°C ~ +55°C.

### **Transportation**

1. Excessive impact and shake should be prevented in transportation. Lay it carefully and lightly and don't invert it
2. Don't put it together with dangerous goods during transportation
3. Avoid solarization and getting wet in rain or snow during transportation.

### **Environmental Protection**

- There is not any harm factor in our product. You can deal with it based on the local law.

### **After Service**

- We offer one year's free repair to the equipment according to the warranty card.
- The repair of the equipment should be carried out by our professional technician. We are not responsible for any irretrievable damage caused by the non-professional person.

### **Symbol Instruction**



~ AC

IPX1 Drip-proof

Date of manufacturer

Manufacturer

Consult the accompanying documents

Used indoor only

Can be autoclaved

Serial number

Appliance compliance WEEE directive

Atmospheric pressure for storage

Humidity limitation for storage

Temperature limitation for storage

0197 CE marked product

Authorised Representative in the  
EUROPEAN COMMUNITY

## Statement

All rights of modifying the product are reserved to the manufacturer without further notice. The pictures are only for reference. The final interpretation rights belong to GUILIN WOODPECKER MEDICAL INSTRUMENT CO., LTD. The industrial design, inner structure, etc, have claimed for several patents by WOODPECKER, any copy or fake product must take legal responsibilities.

## Warning



the connecting  
side of handpiece



seal  
socket

- Be sure that the connecting side of handpiece and seal socket is completely dried before installing handpiece each time.

## Contacts



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## Documents / Resources

A thumbnail image of a multi-page instruction manual PDF, showing various text and diagrams.	<p><a href="#"><b>WOODPECKER HW-3H Scaler Handpiece at Unbeatable</b></a> [pdf] Instruction Manual HW-3H Scaler Handpiece at Unbeatable, HW-3H, Scaler Handpiece at Unbeatable, Handpiece at Unbeatable, at Unbeatable, Unbeatable</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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