

1 Introduction

- 1.1 For safety, please read this user manual carefully before operation. Please keep this user manual in a place that is easy to access for easy viewing.
- 1.2 Product model: X. 1.3 Product use: Pneumatic scaler is used to remove tartar, calculus and stains on the surface of teeth.
- 1.4 Structural composition: The pneumatic scaler is composed of a working tip, a handle and a force-limiting wrench.
- 1.5 Contraindications
- 1.5.1 Patients with malignant tumors in the gums should not receive routine dental cleaning to avoid tumor spread;
- 1.5.2 Use with caution in patients with heart disease, pregnant women and young children;
- 1.5.3 Patients with oral local soft and hard tissue inflammation in the acute phase (except acute necrotizing gingivitis) should wait until the acute phase is over before
 - washing their teeth to prevent inflammation from spreading blood;
- 1.5.4 Prohibited for patients with blood coagulation disorders (such as hemophilia);
- 1.5.5 Patients suffering from certain acute infectious diseases, such as patients with active acute hepatitis and tuberculosis, should also wait for the disease to stabilize before going to the hospital for dental cleaning;
 - 1.5.6 Prohibited for patients with pacemakers;
 - 1.5.7 Disabled by doctors with pacemakers.

- 1.6 Warnings and precautions for use
- 1.6.1 In order to use the medical device correctly, please read the following precautions carefully before use.
- 1.6.2 Please observe the precautions for safe use, so as to avoid harm to the human body caused by incorrect use. The following items are classified according to the degree of possible danger and damage, please be sure to read and observe them carefully.
- 1.6.3 If you do not follow the safety instructions, it may cause slight or moderate personal injury or damage to the equipment.
- 1.6.4 The air pressure must be strictly controlled. Excessive air pressure will cause the tip to be broken in the mouth and cause accidents.
- 1.6.5 Even within the standard range of air pressure, the amplitude of the working tip may sometimes exceed 200µm, so be careful not to injure the patient when using it.
- 1.6.6 Do not use a rusty tip, otherwise the tip may break during use.
- 1.6.7 It is recommended that each person have one machine, and it must be disinfected before use to reduce the chance of cross-infection.
- 1.6.8 The patient's safety comes first, so be careful when using this product.
 1.6.9 This product is limited to dentists, dental hygienists, dental workers (dental prevention) and dental assistants for dental treatment.
- 1.6.10 The air pressure setting of the comprehensive treatment table cannot exceed 0.3MPa (3.0kgf/cm²).
- 1.6.11 If any abnormality is found during use, you must stop using it immediately and contact the seller.
- 1.6.12 Unauthorized disassembly or modification is absolutely prohibited.
- 1.6.13 Do not collide, especially avoid falling.

- 1.6.14 Pay full attention to whether there is any looseness, vibration, heat, etc., and please check the operation outside the patient's mouth in advance. If you feel any abnormality during use, please stop using it immediately and contact the seller system.
- 1.6.15 In order to replace the tip, when removing the tip from the mobile phone interface, the operation must be performed with the air supply completely stopped.
- 1.6.16 During operation, be sure to pay attention so as not to hurt your hands with the tip of the work.
- 1.6.17 Do not use a sprayer to refuel, otherwise the air outlet is narrow and the spray pressure will cause the pneumatic dental handpiece to fly out. 1.6.18 Strictly use oxidized ionized water or acid disinfectant for cleaning, soaking and wiping.

2. Product performance

Model	Air pressure standard	Frequency	1000
X	0.3MPa (3.0kgf/cm ²)	4000~40000Hz	

3. Installation method and air pressure control method

Insert the pneumatic scaler into the interface.

This product can be used only when the air pressure at the interface is set to the specified air pressure of 0.3MPa. Due to the difference in structure, the air pressure when

connected to a pneumatic scaler is about 30KPa higher than the air pressure when connected to a pneumatic handpiece.

↑ Warning

- · Do not connect or disassemble during operation.
- · The set air pressure should not exceed 0.3MPa (3.0kgf/cm²).
- Excessive air pressure will increase the amplitude of the working tip, which will damage the tooth surface and cause pain to the patient. At the same time, improper high air pressure will shorten the service life of the tip and cause premature wear or breakage of the tip.

4. Use dry and clean gas

If the air supplied contains moisture or dirt, the pneumatic scaler will not operate normally.

Even if a filter or dryer is installed on the air supply pipe, the water in the compressor cylinder needs to be discharged regularly.

5. Tip

There are three kinds of working tips randomly distributed for the pneumatic scaler.

The main purposes are as follows:

\$1-Ordinary dental cleaning

It is used to treat crooked teeth, exposed root surfaces of front teeth, and molars that are significantly inclined to the lingual side.

S2-sickle type dental cleansing

It is used to treat hard plate-shaped tartar on the front teeth of the mandible and the teeth on the lingual side.

S3-Perindontal Disease Treatment

It is used to treat calculus under the gums or on the upper gums, remove tar-like attachments, etc.

In order to prevent rust, the working tip is removed from the pneumatic scaler after use, and then blown dry with a three-way spray gun. In particular, the water supply hole and the threaded part should be fully dehumidified and kept dry.

6. Maintenance

Please add oil every three days to keep the pneumatic scaler lubricated.

Remove the pneumatic scaler from the air pipe interface and inject a drop of lubricating oil into the air supply port. After refueling, reinstall the interface of the pneumatic scaler and run it for 5 seconds.



-Do not use a sprayer to refuel, otherwise the airflow outlet is narrow and the spray pressure will cause the pneumatic scaler to fly out of the hand.

7. Sterilization method

The company recommends the use of high temperature and high pressure sterilization. It is strictly prohibited to use oxidized ionized water and acid disinfectant for cleaning and wiping.

· High temperature and high pressure sterilization method

- 1. Use a brush (metal brush is prohibited) to remove the cutting dust attached to the tip and the surface of the mobile phone, and then wipe it clean.
- 2. Put the removed handle and working tip into a sterilization bag for high-temperature and high-pressure disinfection with a seal, and put it in a sterilizer at a temperature of 136±2°C for 15 minutes.
- 3. Keep the sterilized components in the sterilizer until they are taken out during use. After disassembly, reassemble the instrument in the reverse order of disassembly.

∧ Note

· If the temperature reaches 135°C during the disinfection process, the drying procedure can be omitted.

- · Do not put it together with other chemical substances for high-temperature and high-pressure disinfection to prevent the coating on the surface from falling off or affecting internal parts. Please note that no other liquid medicine can be put into the high temperature and high pressure sterilization.
- Because the bottom layer of the sterilization box is close to the heat source, the local temperature will exceed the set temperature, so please put this product in the middle or upper layer of the sterilization box for disinfection as much as possible.

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8. Recycling and disposal

Recycle We attac

We attach particular importance to environmental protection responsibilities. The pneumatic scaler and its packaging are designed to be as environmentally friendly as possible.

Disposal of pneumatic scaler

Dispose of old electrical equipment in accordance with the principles, standards and requirements of your country (region). Ensure that the spare parts are not polluted during the disposal process.

Disposal of packaging materials

All packaging materials are selected according to environmental protection standards and can be recycled. Please send the old packaging materials to the relevant collection and reprocessing system.

In this way you contribute to the recycling of raw materials, thus avoiding waste.

9. Use period

The tip and handle of the pneumatic dental handpiece have a sterilization resistance of at least 250 times.

10. Production date: see label

11. Symbol description



12. Parts list

1 Air scaler / 1 tip wrench / 1 manual / 3 tips (S1, S2, S3)

Explanation of warranty terms

This product is carefully manufactured by professionals. We have carried out a variety of tests and controls to ensure trouble-free operation. Please note that the warranty claims are only available if all instructions for use have been followed is effective.

As a manufacturer, we are lightly formula to the followed in the followed is effective.

warranty period.

As a manufacturer, we are liable for product material or manufacturing defects within the 12-month warranty period from the date of purchase.

We do not assume any responsibility for damage caused by improper handling or repair by a third party without our authorization!

Warranty claims and proof of purchase must be submitted to the dealer or authorized service center. The warranty service provided does not extend the warranty period and any other

Warranty 12 months