

Dental Scaler and Air Polisher

PT-A™

35 National Patents 5 Invention Patents
Air polishing+ Ultrasonic periodontal treatment + Endodontic treatment + Implant maintenance
Efficient and comfortable plaque removal



Guilin Woodpecker Medical Instrument Co., Ltd.



Modern scaling solutions
Realize both supragingival and subgingival scaling

- Small-caliber nozzle, more concentrated air polishing
- Anti-blocking system reduces blocking
- Air polishing + Perio + Endo + Implant maintenance

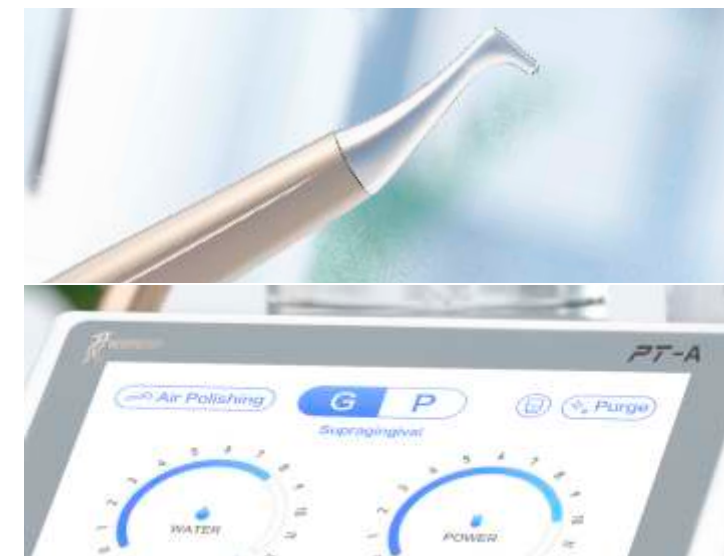
Large screen smart touch control



Small-caliber nozzle



Automatic identification of scaling mode



Multi-function foot pedal



Elliptical vibration

The elliptical vibration trajectory can achieve 0° angle operation between the tip and the tooth surface, enabling the polishing effect. Disperse the impact force between the tip and the teeth to achieve comfortable scaling. Achieve 360° scaling.

Titanium alloy tip

The hardness is lower than dental enamel, more flexible and more comfortable. Titanium alloy tip hardness: HRC30
Stainless steel hardness: HRC50



Implant maintenance

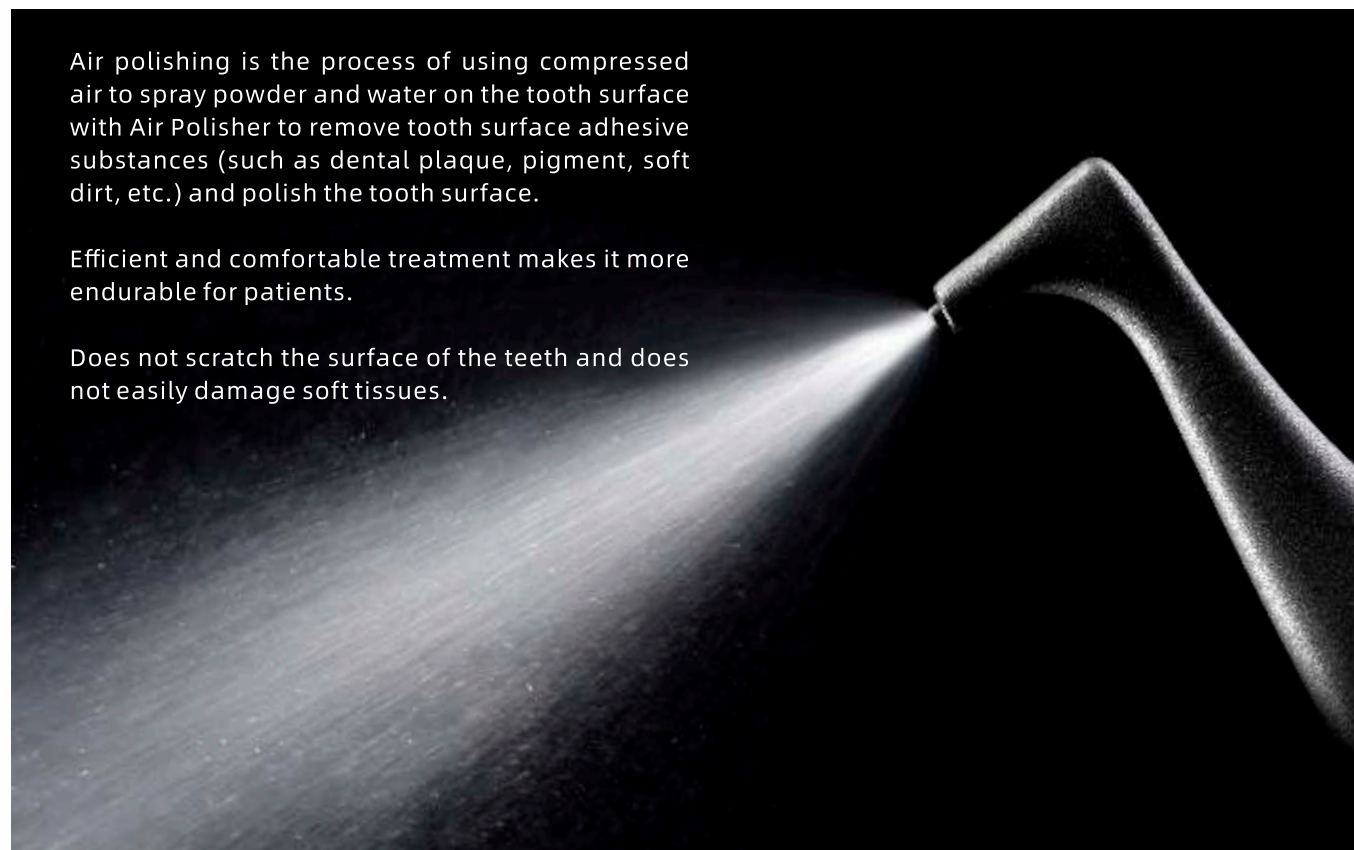


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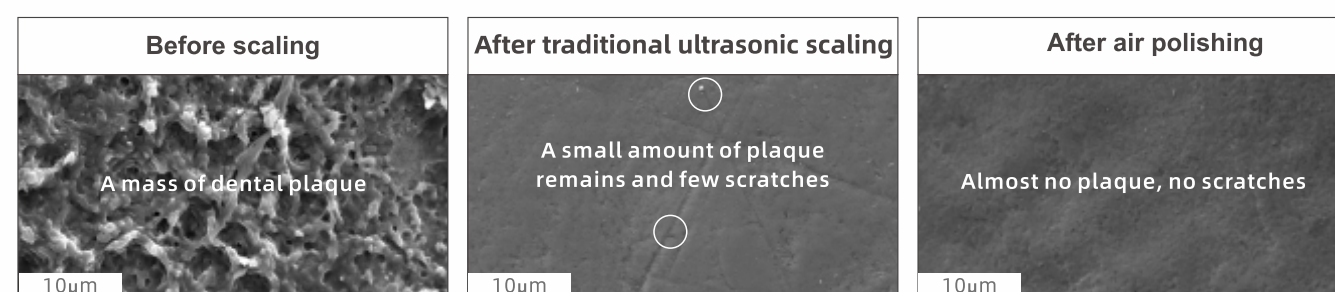
Air polishing is the process of using compressed air to spray powder and water on the tooth surface with Air Polisher to remove tooth surface adhesive substances (such as dental plaque, pigment, soft dirt, etc.) and polish the tooth surface.

Efficient and comfortable treatment makes it more endurable for patients.

Does not scratch the surface of the teeth and does not easily damage soft tissues.

Effective protection of teeth surface

The hardness of the powder is much lower than that of the tooth enamel, so the scaling treatment can better protect the teeth, avoiding tooth surface damage caused by traditional over-scraping, and making the treatment more endurable for patients.



Thorough removal of plaque

Air polishing can achieve significant scaling effect in the occlusal surface, adjacent surface, orthodontic brackets and other difficult-to-clean areas.

Reduce plaque and pigment adhesion

After ultrasonic scaling or manual scaling, patients are likely to feel that the teeth surface is rough and uneven. The main function of air polishing is to polish teeth surface. After polishing, the tooth surface is smoother, and the plaque and pigment are less likely to adhere to it.



Plaque Control

Small-caliber nozzle, more concentrated air polishing, and more efficient plaque removal
High concentration of water and air path achieves a good coating of powder by water and reduces the flying of powder.



Recommended angle: 30°-60°

Recommended distance: 3-5mm

Scaling effect



Dual water supply

Equipped with two water supply bottles (600mL, 1400mL) made of anti-corrosive materials. They can contain special chemicals such as chlorhexidine, hydrogen peroxide, and sodium hypochlorite. External water supply is also available. Water heating unit makes the treatment more endurable.

Three-section Air polishing Handpiece, easier for cleaning

Lightweight handpiece
Longer service life



Classic sodium bicarbonate powder

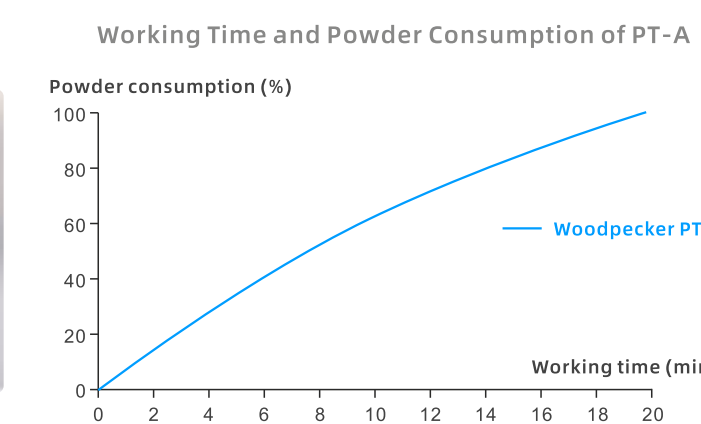
Average particle size: about 65 microns; hardness is less than that of enamel, doing no harm to teeth
Contain natural plant-derived essence for a more pleasant taste.
The powder is waterproof to prevent the device from being blocked by wet powder.

Teeth	Moh's hardness	Powder	Moh's hardness
Enamel	4-5	Sodium bicarbonate	2.5
Dentin	2-2.5	Glycine	2
Cementum	2-4	Calcium carbonate	3
		Aluminum hydroxide	3



Funnel-shaped powder tank, more stable powder flow

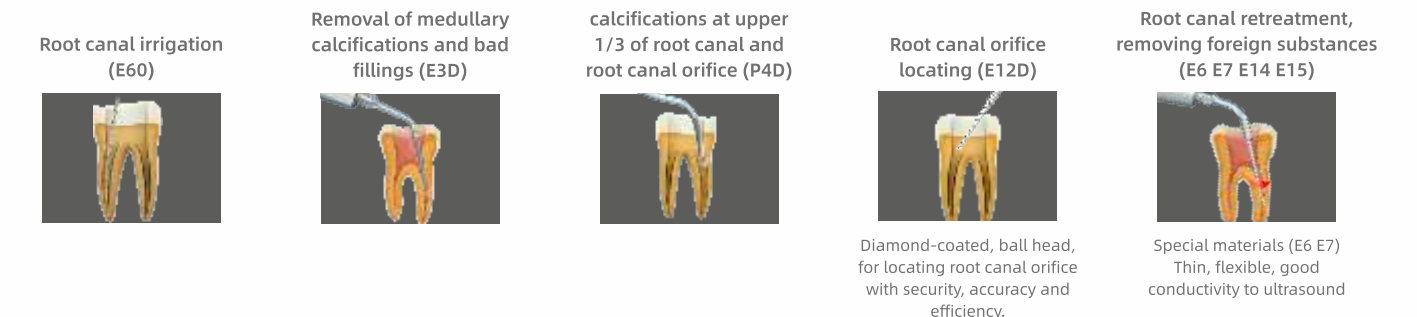
It can be quickly plugged and removed for easily adding powder.



Multi-function foot pedal

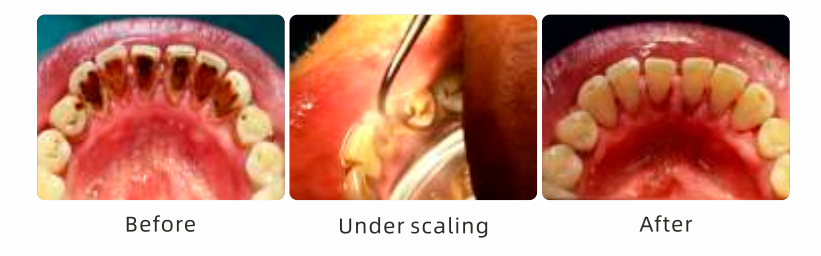
- Water-free Mode
- Washing Mode
- BOOST
- Boost Mode
- Standard Mode

Root canal treatment

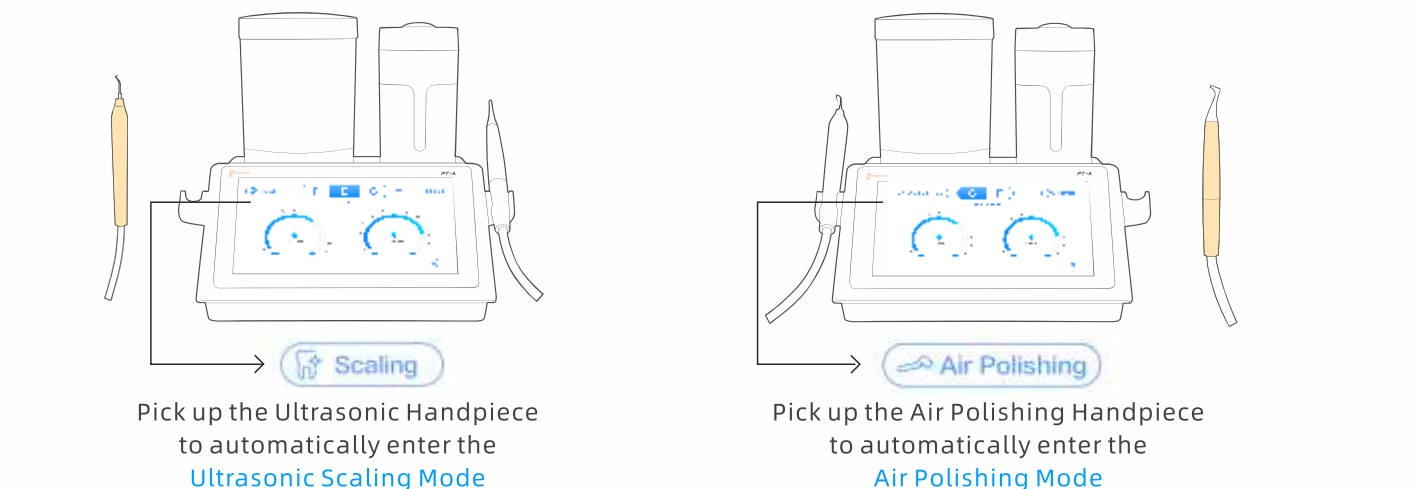


Ultrasonic periodontal treatment

Save supragingival and subgingival ultrasonic scaling.
Elliptical vibration track disperses the impact force between the tip and teeth.
The hardness of titanium alloy tip is lower than that of cementum and enamel, doing no harm to teeth.



Automatic identification of scaling mode



Accessories

Main unit + Air-powder sterilizing box and Ultrasonic sterilizing box

Air-powder sterilizing box
For sterilization and storage of Air Polishing Handpiece and cleaning needle

Ultrasonic sterilizing box
For sterilization and storage of Ultrasonic Handpiece and cleaning needle

Outer box
For storage of all PT-A accessories

Standard configuration			
Ultrasonic handpiece	x1	Sterilizing box	x3
Air polishing handpiece	x2	Water bottle	x2
Torque wrench	x2	Multi-functional foot pedal	x1
Tip P33	x2	Tip P59	x1
		Powder tank	x2
		Water pipe air pipe	x2
		Needle	x2
		Power adapter	x1

*Gift
Ultrasonic handpiece x1
Woodpecker powder x2
Titanium alloy tip P56x2, P59x1, P50Lx2, P50Rx2
Implant maintenance tip P94x1, P95x1
Endo irrigation tip E60x2