



DTE AI Surgery Piezo Bone Unit, led, 2 handpieces

The latest generation Piezo Bone Surgery, DTE AI Surgery piezosurgery Unit, Led, with 2 handpieces, 14 tips.

Available on request

SKU: PSR2000

Categories: Surgery equipment

Description

DTE-Woodpecker AI Surgery piezosurgery Unit.

The Ai-Surgery Bone Piezo unit is the latest fourth-generation of bone piezo from Woodpecker dental with several new upgrades for superior surgical results in atraumatic extractions, sinus lifts, alveoloplasty, crown extension, crest splitting + much more.

The Ai-Surgery bone piezo is **more intelligent and powerful, with better cutting efficiency**. The intelligent system will automatically adjust to the most appropriate output power according to the surgical procedure to avoid overheating. The new touch screen interface is user-friendly and more convenient for the dentist to operate. The multi-function foot pedal allows the user to easily change the modes and features.

Main Features DTE-Woodpecker AI Surgery piezosurgery Unit

Efficient: Woodpecker Fourth generation of Piezo Bone Surgery, with greatly improved cutting efficiency than the third generation.

Intelligent : The intelligent system will automatically adjust to the most appropriate output power according the operation situation to avoid overheating.

User-friendly : New operation interface, more convenient for doctors to use Strong Power.

No handpiece overheating thanks to:

- New enhanced handpiece;
- Advanced sensing technology
- smart control system.



Smart control system: automatic identification of different bone quality and strenght to perform power adjustment and

- achieving the optimal output;
- easy and effort-saving for doctors;
- less noise at work;
- extremely reliable.

Mode selection: power varies as per different bone quality

One-touch enhancement : exclusively featured one-touch power enhancement

Water flow adjustment : different water flow adjustment levels to choose from

Easy rinse : after each use, rinse the pipeline via control of foot pedal

Clinical application: Minimally invasive tooth extraction, Intralift, Sinus lift, Alveoloplasty, Apical cyst extraction, Crow extension, Crest splitting, etc.

Micron Cutting: The vibration amplitude of tip is between 20-100µm. The minimum surgical incision is 3.5mm long, 0.5mm wide, which will help with small operating area and fast postoperative recovery.

Selective cutting with no injury to soft tissue: For soft tissues (neural, blood vessels and mucous membranes, etc.) there is no cutting effect, which can protect the vascular nerve of the operation area to a large extent, greatly reducing the risk of injuring soft tissues.

Cold Cutting Mode: Ultrasonic technology produces very little heat while cutting, and iced water can quickly cool the tip and ensure the temperature below 38°C. At the same time, the water spray flushes the wound during operation, bringing no bleeding and enabling clear vision of operation area which makes it easy to operate.

High-performance Handpiece:

- Optimized handpiece with stronger sealing technology;
- High temperature cooking disinfection causes no loss of performance;
- High-brightness LED brings clearer operating vision;
- Bringing doctor better clinical application experience.

Cutting Mode:

under cutting mode, according to the bone density, adjust power and water volume. The power levels are divided into 7 classes.

- D1 : level 9-10 – Class I Bone (suitable for bone with high bone density / big cortical bone)
- D2 : level 6-8 – Class II Bone (suitable for bone with high bone dentisty / large cortical bone)
- D3 : level 3-5 – Class III Bone (suitable for bone with uniform bone density / good cortical bone)



- D4 : level 1-2 – Porotic bone (suitable for bone with low bone density / poor cortical bone)

Different bones respectively match 10 power levels, avoiding over power output and improving safety and stability.

Periodontal mode : Under teeth mode, the power and water volume are adjustable.

Endodontic mode : Under teeth mode, the power and water volume are adjustable.

Cleaning Mode : Under cleaningf mode, step on foot pedal for 3s to confirm cleaning, then the main unit can automatically complete pipe cleaning for 25s. After each treatment, please clean the waterway (include pump line and handpiece).

Multi-function foot pedal

- Control of multiple functions
- One-button rinse Mode

Sterilizable water pipe

- External handpiece for easy disassembly and maintenance
- Autoclavable

Ultra-quiet peristaltic pump

- Continuous and precise flow control; direct water
- flow to the tip end; efficient cooling
- More silent and stable

With 2 handpieces and 14 tip included.

Technical features DTE-Woodpecker AI Surgery piezosurgery Unit.

Dimension (lxwxh) (mm)	276 x 267 x 110
Mains voltage (V/Hz)	100-240V – 50Hz/60Hz 170VA
Working frequency	24-36KHZ
Weight	2.8KG
Water flow	25-110ml/m

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