2023Edition. The picture is only for reference,please make the object as the standard.

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PLUWA® PLUS POWER
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PIEZO SURGERY & IMPLANT MOTOR



ABOUT US

Foshan Plus Power Medical Technology Co., Ltd.

is a dental power system solution provider and a professional dental equipment manufacturer integrating research and development, manufacturing, marketing and service.

10+ Products

Dental electric motor, dental implant system, dental surgery dynamic, piezo surgery system, Ultrasonic periodontol therapy system, high speed and low speed dental handpiece, which contain more than 10 products.

10+ years R&D experience

The introduction of medical technology support from state-owned enterprises, senior engineers with more than 10 years of product design experience in electric motors, implant system, and piezo bone surgery system. It is a technical team with high professional knowledge and strong team cohesion.

17+5

17 utility model patents, 5 invention patents.



"DEVOTE TO PRODUCT RESEARCH AND DEVELOPMENT"

"FOCUSING ON POWER PRODUCTS"

"ACHIEVE THE ULTIMATE OUTPUT OF PRODUCTS"

2 IN

Piezo Surgery & Implant Device



01

One-touch switch mode

One unit with two purposes, easily switch Pizeo sugery & Implant mode.

02

HD Sensitive touch screen

360° color LCD Full-touch non reflective screen, Sensitive touch screen.

03

Ultra silence

Selected Peristaltic pump, 5-rotor stepper motor design, easily installation, running silently, offering steady water flow.

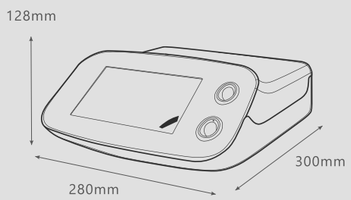
HD SENSITVE TOUCH SCREEN

360 degree
Clear direct-viewing

7 inch
Easily operate



Technical Parameter



IMPLANT MODE

Frequency: 50Hz
Max. Power Consumption: ±10%
Rated Voltage Speed Range: 100~40,000rpm(±10%)
Rated Voltage Torque Range: 5~70N.cm(±10%)
Operation Mode: S3 (3/10min)

SURGERY MODE

Fuses: 2×F10A 250A
Working Frequency: 24kHz~36kHz
Water Flow: 60~100ml/min
Water Applied Parts: Handpiece and Piezo tips



IMPLANT MODE

DENTAL IMPLANT EXPERT

With simple operation, precise torque control, strong and stable motor and rationally designed operation process. AI Implant Touch makes dental implant surgery easier and safer.

ACCURACY CONTROL

Accurate torque control adequately, ensure safety and tability of rotary instruments'operations.

5 PRESET PROGRAMS

Program1 | Program2 | Program3 | Program4 | Program5

Operator Interface





LED BRUSHLESS MOTOR

Fully sterilizable motor, support 134℃ sterilization.
It offers 100 to 40,000 rpm(±10%) speed range. Maximal touque could reach 70N.cm, providing an efficient surgical experience for the dentist.



20:1 IMPLANT CONTRA ANGLE

Cellular glass optic design, Imported German bearing, radial runout less than 0.01mm; High quality rotors and bearings guarantee high durability and at the same time, the noise level is stable within 65 dB.



SURGERY MODE

MORE EFFICIENT AND ACCURATE

Piezo surgery is a new system required for modern surgery and implant surgery, which can set up various operation modes and working tips to make the operation process smoother and improve the accuracy and efficiency of treatment.

SUPERIOR PERFORMANCE

Effective positioning to achieve minimally invasive.
Selective cutting with no damage on soft tissue.

5 WORKING MODES

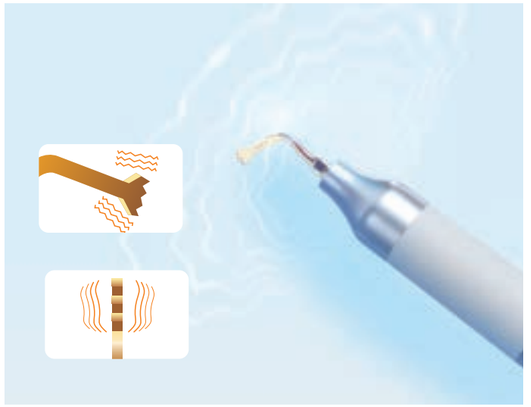
- **Bone mode**
- **Endo mode**
- **Perio mode**
- **Custom mode**
- **Clean mode**

FEATURES

AI POSITIONING

CLEAR SURGICAL VISION

SAVE AND RELIABLE



High-intensity focused ultrasonic only has a destructive effect on bone tissue with a specific hardness, with no damage on blood vessels and nerve tissue.
Radial amplitude:20-200 μ m
Horizontal amplitude < 30 μ m



After working at full power for 10 minutes, the handpiece temperature is up to 33℃

Operator Interface



FOOT PEDAL



4 Hours charging time, and standby more than 50 hours.

IMPLANT MODE

- Cooling water (On/Off)
- Switch Program
- Switching Rotation direction

SURGERY MODE

- Power increase
- Bluetooth pairing
- Power decrease

MULTI-FUNCTIONAL FOOT PEDAL

The multi-functional foot pedal can easily control and switch the water Flow, Program, Rotation direction, Power and intelligently control the speed.

It can **Support cable connection & Bluetooth wireless connection**, the signals received within 10 meters.





PERISTALTIC PUMP

IMPORTED STEPPER MOTOR DRIVER

45dB

Ultra silence

Running silently,easy to operate and setting, the noise is less than 45dB

3"

Easily installation

Quickly change hoses with a single twist and close tightly without gpas, it only takes you 3 seconds.

5 rotors

Imported stepper motor

The 5-rotor stepper motor driver precise control of the rotation angle, delivers flow stability and metering accuracy.