美好 · PATH

PLIWA®
PLUS POWER

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遇见 · GLORY



AI SURGERY PRO

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AI SURGERY PRO

超声骨刀系统是现代外科和种植手术所需的新系统，设置多种操作模式以及多种样的工作尖使手术过程更顺利，提升治疗的精准度和效率。

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.



AI SURGERY PRO



有效定位 实现微创

EFFECTIVE POSITIONING TO ACHIEVE MINIMALLY INVASIVE

超声骨刀机工作尖振动进度以微米计，操作握持轻便，切割轨迹不受限制。最小手术切口仅为3.5mm × 0.5mm ，手术区域小，术后恢复快。

The vibration progress of the piezo bone surgery tips is measured in microns, the operation and grip are light, and the cutting trajectory wouldn't be limited. The minimum surgical incision is only 3.5mm×0.5mm, which means the operation area is small, and the postoperative recovery is fast.

选择性切割 不伤软组织

SELECTIVE CUTTING WITH NO DAMAGE ON SOFT TISSUE

高强度聚焦超声只对特定硬度的骨组织有破坏作用，不会破坏血管和神经组织，还能对手术伤口处起到止血作用，进一步缩小微创手术的创口，极大地提高了手术的精确性、可靠性和安全性。

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, and can also stop bleeding from the wound, further reducing the minimally invasive surgical wound, and greatly improving the accuracy, reliability and safety.

5种不同工作模式

5 DIFFERENT WORKING MODES

切骨模式	根管模式	牙周模式	自定义模式	清洁模式
Bone mode	Endo mode	Perio mode	Custom mode	Clean mode

骨刀手柄
HANDPIECE



135mm × □20mm人体工程学纤细手柄设计，大大减少了手术过程中的疲劳感。

140mm × 20mm Slim handle design: The ergonomic handle improves its balance, especially during long-term surgery, which greatly reduces the fatigue of hands and fingers.



恒流LED照明，手术视野清晰，减少阴影部位使可见度佳，更能提高手术的精准度和缩短治疗时间，为医生带来更完善的临床操作体验

The surgical field of vision is clear, and the shadows are reduced for better visibility, which can improve the accuracy of surgery and shorten the treatment time, bringing doctors a more complete clinical experience.

工作尖振动幅度范围20–200μm，尖端与骨组织接触均匀，无跳动，切割更平稳。

The vibration amplitude range of the working tip is 20-200μm, the tip and the bone tissue contact evenly, with no jumping, makes the cutting more stable.

径向振幅 / Radial amplitude
20–200μm
横向振幅 / Horizontal amplitude
<30μm

手术冲洗液雾化均匀喷洒，对手术区域进行高效清洗，同时快速冷却工作尖，为患者提供更安全的治疗保障。

Surgical irrigation fluid is sprayed evenly to efficiently clean the surgical area, and at the same time quickly cool down the working tip, making the treatment safer.

全功率工作10分钟之后，手柄温度最高33℃。

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

多功能脚踏
MULTI FUNCTION FOOT SWITCH



充电4小时，待机时长可达50小时以上。

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

多功能脚踏，支持有线/蓝牙连接，水量调节可通过脚踏完成。

The multi-function foot switch can Support cable connection & Bluetooth wireless connection & adjusting the volume of the water.

蠕动泵
PERISTALTIC PUMP

运行安静，操作设置简单，闭合紧凑无缝，外观优雅时尚。

Running silently, Easy to operate the settings, open and close compactly, elegant design.





进口步进电机　精确控制转动角度，实现高精度的分配和计量，提供一致和稳定的流量。

Imported Stepper motor drive, precise control of the rotation angle, delivers flow stability and metering accuracy.
Providing steady water flow.

7寸高清触摸彩屏
7" HD COLOR TOUCH SCREEN

1024x600高温画面显示，178度IPS广域视角，电容多点触摸，操作更加灵活直观，大幅提升手术效率。

High resolution up to 1024x600 Pixels gives HD pictures. 178° IPS & Multi-point touch type capacitive touchscreen offers a high sensitivity touch with no error, greatly improve surgical efficiency.



五大功能 —— 5 Functions

1 骨刀模式 Bone mode
- PSK-1
- PSK-2
- PSK-5
- PSK-4
- PCK-1
- PLK-3

2 根管模式 Endo mode
- PEK-1
- PEK-2
- PEK-3
- PEK-4
- PSK-4

3 牙周模式 Perio mode
- PSK-4
- PPK-2
- PPK-4
- PPK-5
- PPK-7

4 自定义模式 Custom mode

5 清洁模式 Clean mode

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6 显示脚踏连接状态
Display the status of Foot Switch

7 显示手柄连接状态
Display handpiece connection status

8 显示水量，点击调整水量
Display Water flow rate, and press to adjust.

9 功率减小按键
Decrease, adjust the Power

10 功率增加按键
Increase, adjust the Power

11 显示当前功率
Display the current Power rate.

技术参数
TECHNICAL PARAMETERS

产品型号 Machine model	AI Surgery Pro
防水系数 According to EN60529	IPX1
电源电压 Power-supply voltage	100~240V 50/60Hz 120VA
保险丝 Fuses	2xF10A 250V
工作频率 Working frequency	26kHz ~ 38kHz
水流量 Water Flow	60~100ml/min
出水部件 Water Applied parts	Handpiece and Tips

保护系统与APC平稳运行时间
Protection systems and tripping time of the APC

无连接手柄时 No handpiece connected	8ms
线中断 Cord interrupted	8ms
工作尖损坏或未正确拧紧 Tips broken or not correctly tightened	<400ms
接地线保护 Protection by discharge to earth	8ms

操作环境
Operation environment

环境温度范围 Environment temperature	+5°C ~ +40°C
相对温度范围 Relative humidity	30% ~ 75%
大气压力范围 Atmosphere pressure	70kPa ~ 106kPa

配件清单
COMPONENTS LIST



骨刀主机 | Control Device



多功能脚踏 | Multi-function Foot Switch

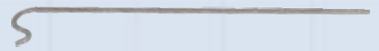


电源线 | Power cable



脚踏充电器 | Foot Switch Power Adapter

带线缆手柄 | Handpiece with Cable



供水瓶支架 | Water Bottle Bracket



手柄托架 | Handpiece Holder



脚踏连接线 | Foot switch cable



不锈钢消毒盒 | Sterilize Box



软管×3 | Tubes×3



限力扳手 | Torque Wrench



工作尖套装 | Tips Holder and Tips

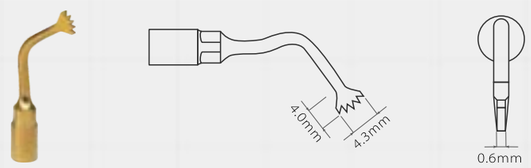


SURGERY TIPS

PSK-1

骨切开术

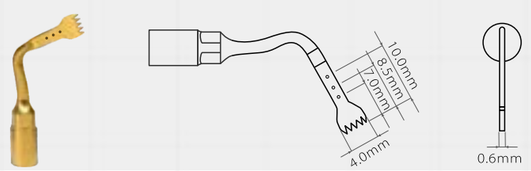
Osteotomy.



PSK-2

骨切开术

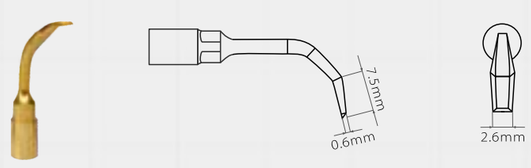
Osteotomy.



PSK-5

骨成形和收集骨屑

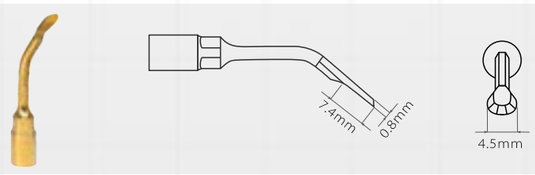
Bone remodeling and bone chip harvesting.



PSK-4

骨成形和收集骨屑

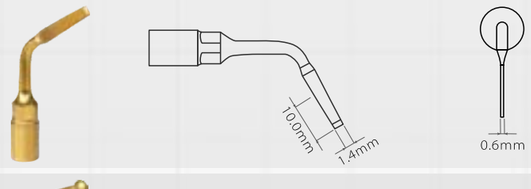
Bone remodeling and bone chip harvesting.



PCK-1

韧带切除术，微创伤性拔除术

Used for cutting ligaments, minimally damnification exelcymosis.

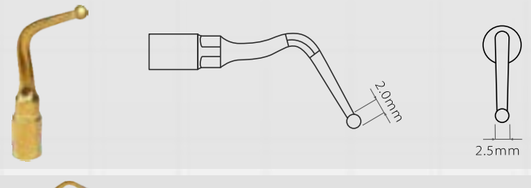


PLK-3

接近软组织及敏感部位的非创作性骨切开(金刚砂砂粒大小为100μm)

Non-traumatic bone cutting on thin bone region(diamond-coated)

*The size of diamond grit is 100μm

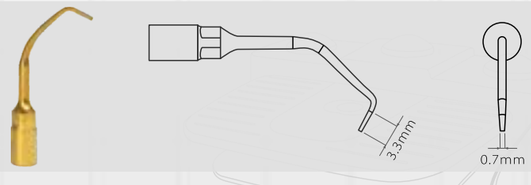


PEK-1

根管倒退手术，高效根尖修整

Apical root debridement(diamond-coated)

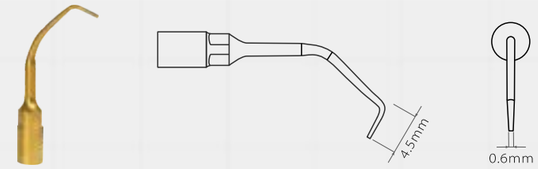
*The size of diamond grit is 40μm.



PEK-2

根管柔和治疗

Soft apical root debridement.

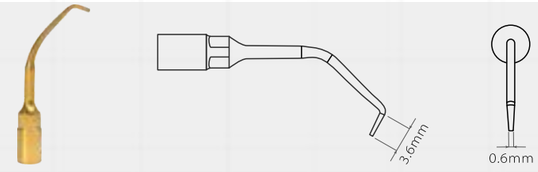


PEK-3

根管倒退手术，高效根尖修整

Apical root debridement(diamond-coated)

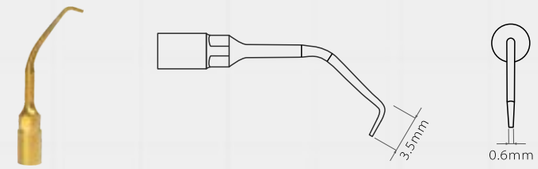
*The size of diamond grit is 40μm.



PEK-4

根管柔和治疗

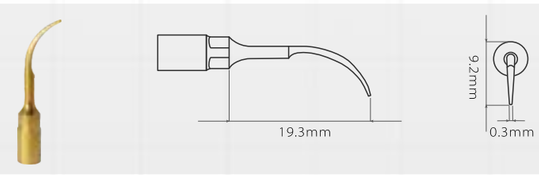
Soft apical root debridement.



PPK-2

折断牙根的根尖拔除，炎性组织祛除

Root scaling

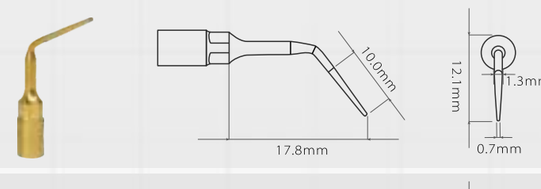


PPK-4

根面清创、平整(金刚砂砂粒大小为40μm)

Root surface debridement and root planning(diamond-coated)

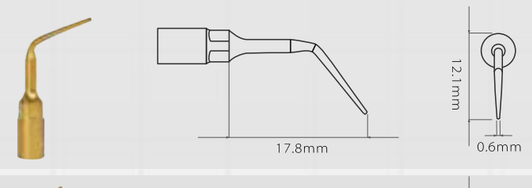
*The size of diamond grit is 40μm.



PPK-5

牙周治疗

Perio treatment



PPK-7

骨修整、根管扩大(金刚砂砂粒大小为40μm)

Bone remodeling and root canal enlargement(diamond-coated)

*The size of diamond grit is 40μm.

