

# SWIFT SCAN





# DENTSMIND

## [SWIFT SCAN]

### 33 FPS HIGH-SPEED SCANNING

33 frames per second scanning combined with software processing accelerates scanning and modeling efficiency.

### 22mm DEEP FIELD OF VIEW

Easily covers areas such as posterior molars and wisdom teeth with large depth of field and handling complex intraoral structures.

### 2 Tips FOR DIFFERENT NEEDS

Large and small tip options adapt to different oral sizes, optimizing comfort and clinical versatility.

### 15μm HIGH ACCURACY

High-precision algorithm optimization achieves full-arch scanning accuracy to 15μm, ensuring excellent model reproduction and data reliability.

### AUTO UV STERILIZATION

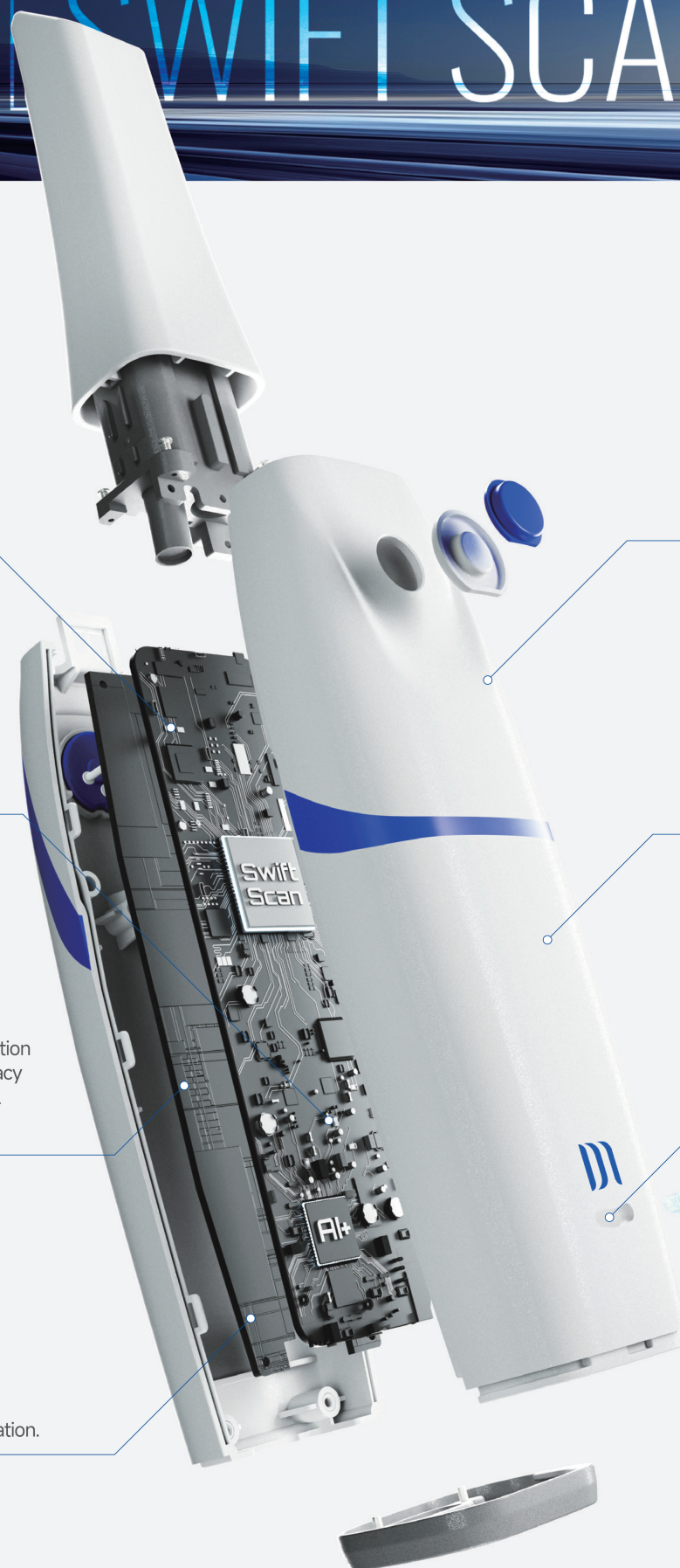
Built-in UV sterilization activates in sleeping mode to ensure hygiene and prevent cross-contamination.

### CALIBRATION-FREE

Highly stable system without calibration, reducing operational complexity and maintenance cost.

### 210g LIGHTWEIGHT DESIGN

Lightweight with double-button ergonomic design, allowing for comfortable use and flexible operation.







Where Smiles Meet Precision

*Smile Scan*



Smile  
😊





## Versatile Platforms Availability + Offline Capability

Support PC, web browser, and mobile device for flexibility.

Support offline functionality, allowing you to scan and access data anytime, anywhere.



### Specifications

#### Handpiece

|        |                 |
|--------|-----------------|
| Size   | 173 x 46 x 36mm |
| Weight | 251g            |

#### Scanning

|                                   |                            |
|-----------------------------------|----------------------------|
| Scanning precision of entire arch | 20μm                       |
| Field of view                     | 16×14mm (L)<br>12×12mm (S) |
| Button                            | Double buttons             |

#### Tip

|                        |                                     |
|------------------------|-------------------------------------|
| Size                   | 22 x 19mm (L) 19 x 17mm (S)         |
| Steaming sterilization | Up to 100 times - 134°C - 6 minutes |

|                        |    |
|------------------------|----|
| Auxiliary power supply | NO |
|------------------------|----|

|                |     |
|----------------|-----|
| Remote control | YES |
|----------------|-----|

|             |                  |
|-------------|------------------|
| Calibration | Calibration free |
|-------------|------------------|



# Surgic Smart ENT

Piezo Bone Surgery For Rhinoplasty





# STRONG POWER

## Smart control system

Automatic identification of different bone quality and strength to perform power adjustment, achieving the optimal output

Easy and effort-saving for doctors

Less noise at work



### 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



### Multi-function foot pedal

Control of multiple functions

One-button rinse mode



## Strong power

Strong power, no handpiece overheating, thanks to:

New enhanced handpiece

Advanced sensing technology

Smart control system



# SURGERY X

## Clinical application

Minimally invasive tooth extraction,  
Intralift, Sinus Lift, Alveoloplasty,  
apical cyst extraction, Crown Extension, Crest splitting, etc.



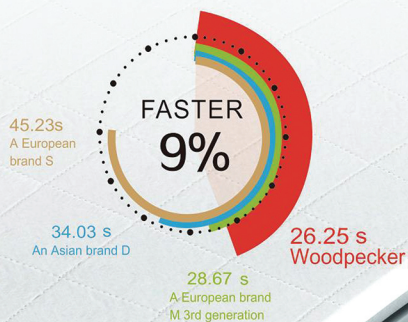
## 7-inch Touching Screen

Abandoning the previous button  
operation settings, innovatively  
adopting 7-inch screen.

While clearly displaying information, operate directly by tapping the screen.



Comparison of cutting efficiency  
with other famous brands



## Multi-function Foot Pedal

Equip device with multi-function foot pedal, which makes it easy to control water flow, working mode, and power, simplifying operation procedures and realizing efficient operation.

WOODPECKER

3rd

GENERATION OF ULTRASURGERY

### Without hurt to soft tissue

Selective cutting will not hurt soft tissue.  
Ultrasurgery vibrating frequency is 24—29.5kHz, which enables effectively cutting and reduces risk of hurting soft tissue.

### Minimally invasive cutting

Minimally invasive selective cutting  
Without hurt to soft tissue

### Detail Matters

Handpiece tail cord and pump tube can be autoclaved to avoid bacterial infection.  
High power LED driving technology brings clear operation vision.





# UltraSurgery

## Excellent Performance

<200 $\mu$ m



<30 $\mu$ m



## Minimally invasive cutting

Ultrasonography tip vibration accuracy is of micrometer level. During operation, gripping requires only a small force, and there is no cutting trajectory limit.

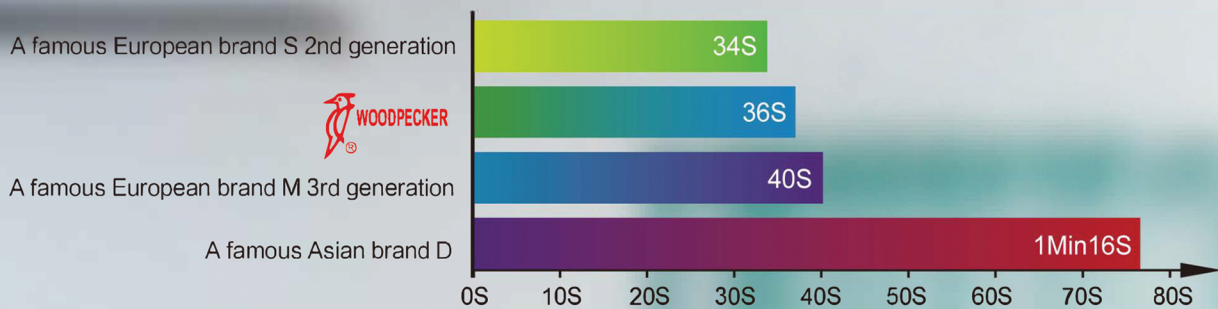
Radial amplitude : 20-200 $\mu$ m      Transverse amplitude : < 30 $\mu$ m



Scan for more details in website

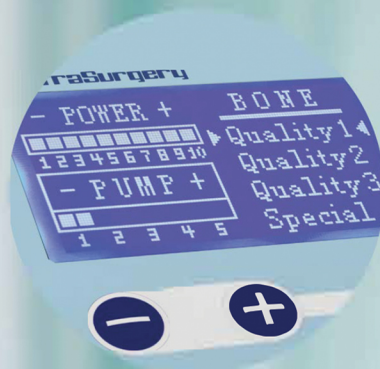


# 1 Comparison of cutting efficiency with other famous brands



# 2 User-friendly control

- Waterproof operation interface , is more suitable for clinical practice.



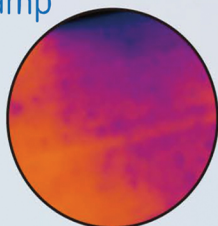
# 3 New developed design of handpiece

- Developed internal structure: New handpiece is more compatible with tips, and it vibrates and cuts stably.
- Strengthened sealing technique : Enhancing tolerance of high-temperature autoclave, it is with stable quality.



High light intensity lamp  
Clear operation visual

Full power working 10 min, and then test  
the handpiece temperature



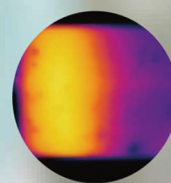
Woodpecker Brand 33°C



Well-known European  
Brand S 30°C



Well-known European  
Brand M 33°C



Well-known Asian  
Brand D 38°C



# Implanter **DBA**

## Swiss Motor

5.5N·cm motor torque can guarantee 80N·cm torque output

## Germany bearing (Optional)

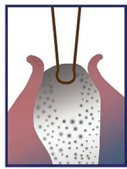
The swing amplitude of contra-angle is less than 0.02mm.





## Simulated implanting procedures

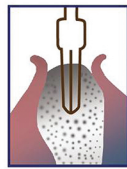
Preset parameter of each procedure eliminates extra setting during operation.



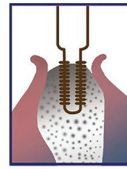
Round bur



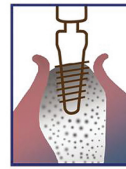
Pilot drill



Reamer



Tapping drill



Implanting



Screw in  
healing abutment



User-defined  
mode



Irrigation mode

## Better Holding Feeling

Ergonomic design of contra-angle balances with the weight of motor, guaranteeing better holding.



## Smart touching system

7 inches LCD screen

Ultrasensitive touch control

Match contra-angles of different gear ratio

16:1 20:1 27:1 1:1 1:2 1:3 1:5



Speed range  
300-40,000rpm



Torque range (20:1)  
5N·cm-80N·cm



Maximum water volume  
110ml/min



Motor size  
φ 23.4mm\*L91mm



Motor weight  
140g



# D-Laser *Blue*

## Laser parameters

- Wavelengths & optical power:
  - 450  $\pm$  20 nm : Pmax=4w
  - 650  $\pm$  20 nm : Pmax=200mw
  - 976  $\pm$  20 nm : Pmax=7w
- Laser system:
  - 450 nm: Class IV; 976 nm: Class IV; 650 nm: Class II (according to IEC 60825-1)
- Emission modes:
  - CW (continuous wave), chopped 1 Hz to 20 kHz
- Aiming beam:
  - 650  $\pm$  20 nm / Pmax<5mW
- Battery:
  - 11.1V 2600mAh x2 (57.7Wh)





# Wide scope of application

Can be used for the fields of dental  
soft tissue surgery,  
endodontic sterilization,  
periodontal sterilization,  
peri-implantitis,  
low intensity laser therapy,  
oral ulcer,  
and teeth whitening.

Remarkable treatment effect:

There is basically no bleeding during operation,  
maximally minimizing the postoperative swelling,  
reducing pain of patients,  
and accelerating the recovery.



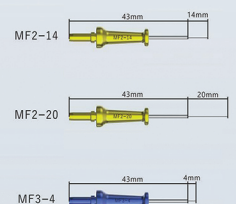
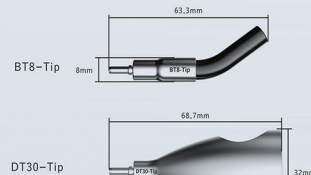
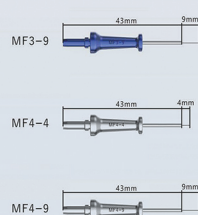
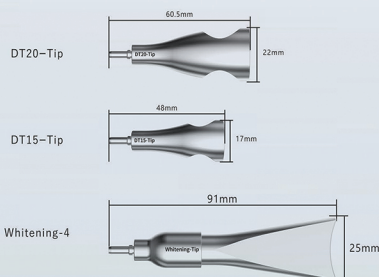
Before treatment



Under treatment



Four weeks later





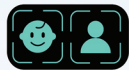
# Mini Ray

Power Meets Clarity – 10 Reasons to Choose MINI RAY





## 5+3+2, Fitting to Diverse Shooting Needs with Ease



Two target groups:  
Child/Adult



Three device options:  
Sensor/ Scanner/ Film



Five tooth position options:  
Molar / Premolar / Incisor  
Canine / Bite-wing

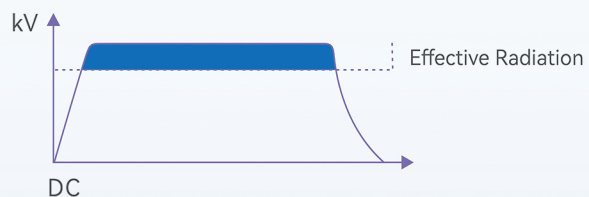
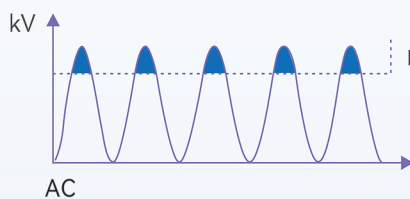


### Upgraded Protection for Safer Use

Fast screen lock to prevent false touch,  
effectively preventing accidental radiation exposure  
High-pressure and high-temperature protection  
mechanisms with automatic cancellation of exposure  
commands when risks are detected

### Embracing a new, high-energy era

In comparison to traditional Power Frequency AC machine  
the Mini Ray is a High Frequency DC machine with superior performance and produces more stable X-rays.



#### Parameters:

|                              |                                               |                   |
|------------------------------|-----------------------------------------------|-------------------|
| Tube voltage: 70kV           | Tube current: 2mA                             | DC high frequency |
| Battery capacity: 2500mAh*3S | Size/length, width and height mm: 338*112*247 | Weight: 2.2Kg     |

Scan and log on to the website  
for more information



Find us on:



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# i-Sensor

Type

Mechanical Size(mm)

Detector Technology

Scintillator

Pixel Matrix

Theoretical Resolution

Active Area

AD Conversion(bit)

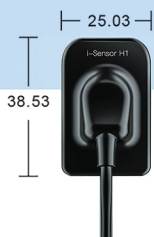
Data Interface

Protection

Upper incisor

Upper premolars

Lower molars



**i-Sensor H1**

25.03\*38.53\*4.5

APS CMOS

CsI

1000\*1 500

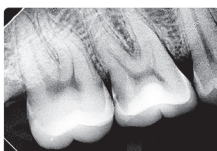
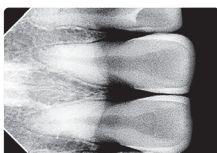
25lp/mm

20\*30

16

USB 2.0

IP68



**i-Sensor H1.5**

29.2 \* 43.5\* 4.5

APS CMOS

CsI

1200×1650

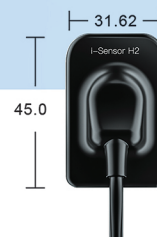
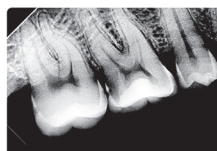
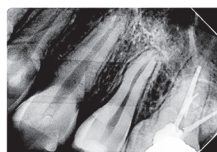
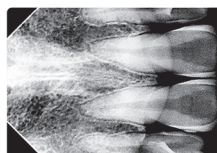
25lp/mm

24\*33

16

USB2.0

IP68



**i-Sensor H2**

31.62\*45.0\*4.5

APS CMOS

CsI

1300\*1800

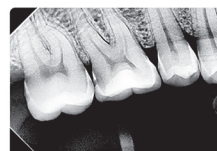
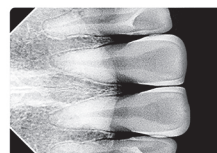
25lp/ mm

26\*36

16

USB 2.0

IP68





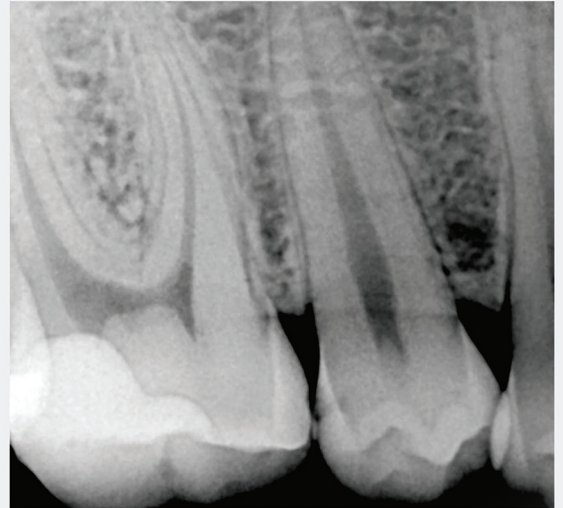
## High resolution imaging

### 25 lp/mm theoretical resolution

With the leading 16-bit ADC chip, bringing you up to 60000+ Gray scale.

High-definition sensor up to 2.2 million pixels, more details, better picture quality with a theoretical resolution of 25 lp/mm, bringing a high level of clarity and detail to your digital radiography.

Clearer image effect, so that subtle root apex bifurcation can be easily found.

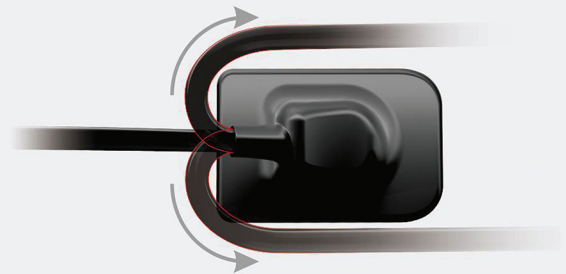


## Durable and Reliable

### 80000+ bending test

i-Sensor is designed to prevent any kind of damages in its everyday use.

Based on actual usage and tens of thousands of bending experiments, the product is durable.



Robust CNC shell fusion ultrasonic welding technology brings ultra-light weight experience and IP68 protection. The sensor can be immersed in disinfectant liquid to avoid cross infection.



## Thinnest sensor 4.5mm

With an ergonomically optimized Cut-Corners and 4.5mm thickness, the i-Sensor makes sensor placement easier than ever (plus, the thinner sensor specifically allows for better bitewing radiographs and simplified vertical bitewing acquisition.)

