PIOS-EX5

Intraoral scanning

The innovative dental technology
your best choice for precision and efficiency

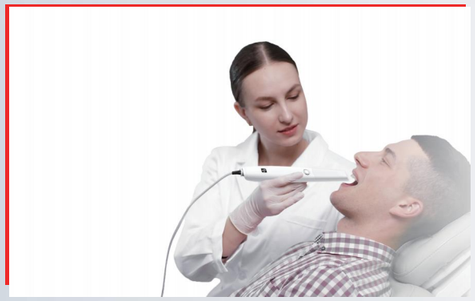


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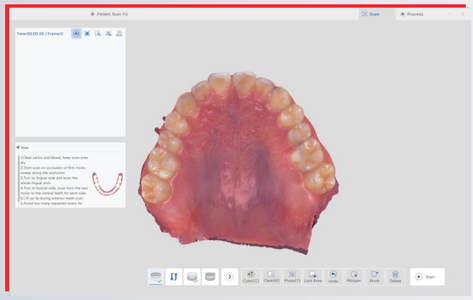
Small • Mute • Accurate • Rapid • Transmit •



Fast Scanning

Full-Arch scan takes only 60s

24FPS ultra-high frame rate enables efficient and rapid intraoral scanning for direct data acquisition.



Motion Sensing

This innovative technology allows you to control your devices without any redundant touch, which provides you a hygienic operating environment.



High Accuracy

Accuracy: ***7 microns***
Precision: ***5 microns***

Self-developed gaze-type structured light scanning measurement technology.



Smart Button Control

One-touch control effortless experience.

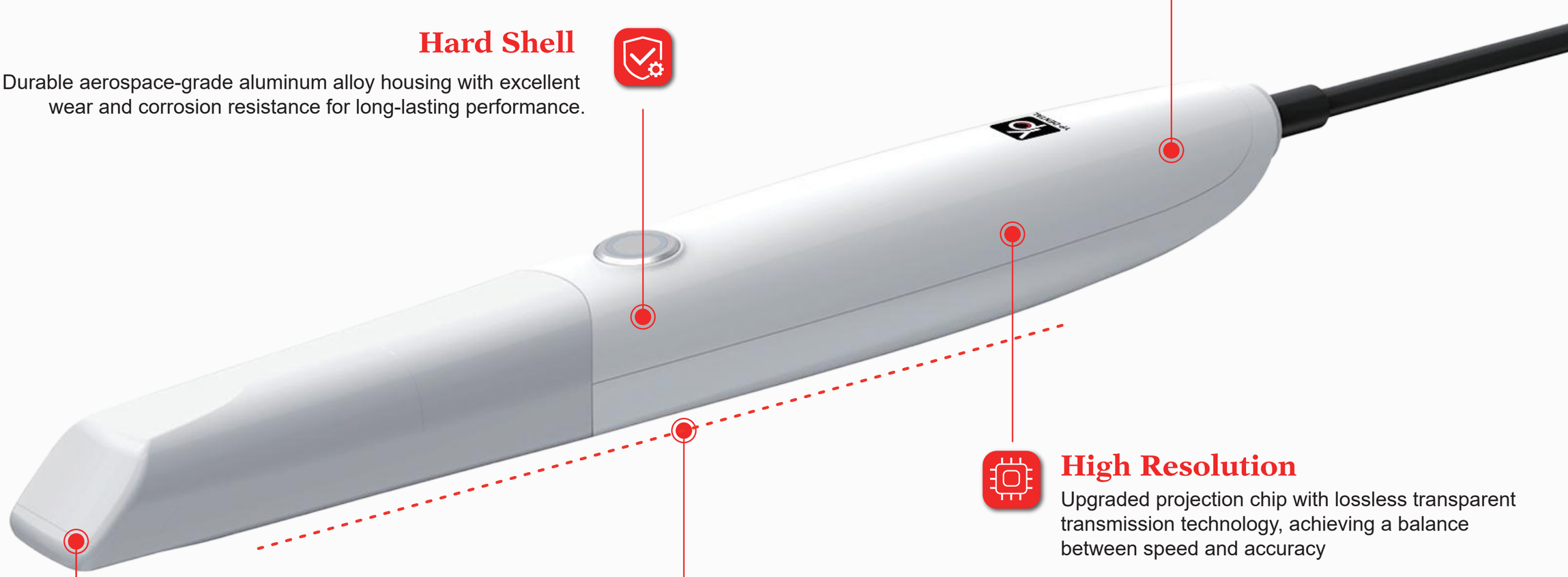
Start, pause, stop, page switch, data color switch.

Ultra Stable

Constructed with aerospace-grade low-expansion metal, the optical module effectively resists optical distortion.

Hard Shell

Durable aerospace-grade aluminum alloy housing with excellent wear and corrosion resistance for long-lasting performance.



High Resolution

Upgraded projection chip with lossless transparent transmission technology, achieving a balance between speed and accuracy

Smaller and Lighter

Only 145g, 222mmx33mmx28mm

The more ergonomic design of the device and tip provides dentists and patients with an extremely comfortable experience.

Risk-free

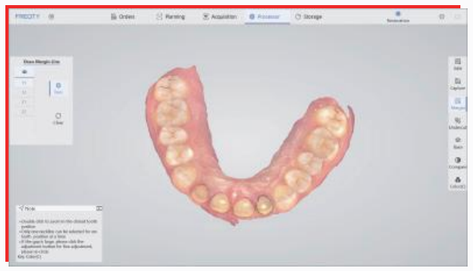
The scanner tip is made of FDA-certified medical-grade material, ensuring zero operational risk and enhanced intraoral safety

SOFTWARE FEATURES



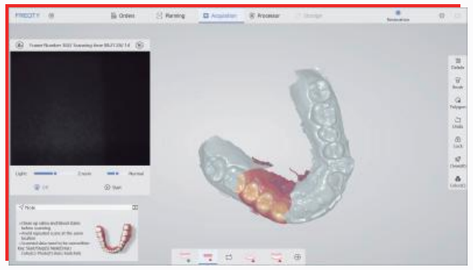
Undercut Check

Auxiliary confirmation in place, colour gradient indicates undercut, accurate prediction, and improves the communication efficiency between doctors and technicians.



Margin Line Drawing

Draw accurate and clear margin lines, linking doctors and technicians to reduce rework.



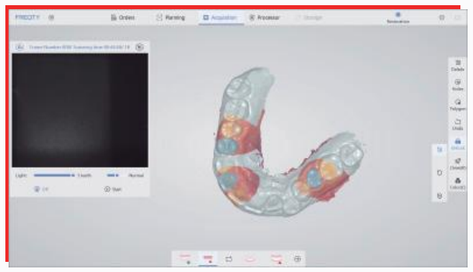
Pre-preparation Scan

Obtain pre-preparation tooth state, retain bite data, and reshape the original good teeth.



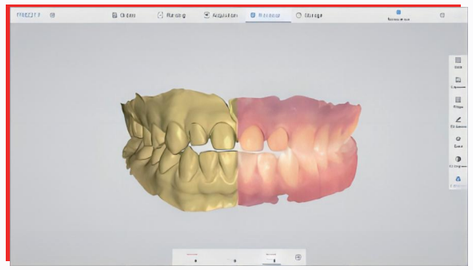
Bite Check

Color gradient indicates distance, accurately judges the restoration distance and assists in improving the effect of tooth preparation.



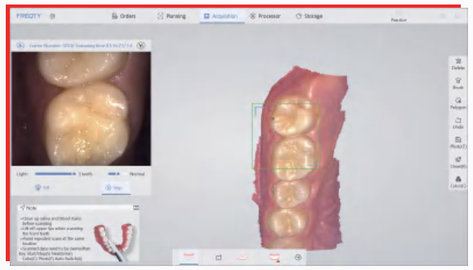
Lock Data

Locks the tooth position to prevent data loss and reject excess data interference.



Color Switch

True color jaws, clearly restore details, one click to switch colors, and check model data comprehensively.



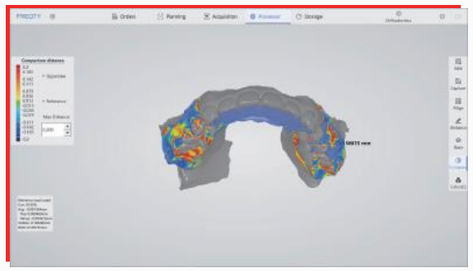
AI Intelligent Scan

Easily identify soft and hard tissues, eliminate redundant data, and make accurate dental models



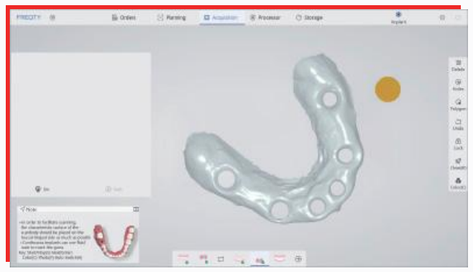
Orthodontic Simulation

Generate simulation animations to help doctors and patients communicate, share quickly, and promote orders.



Disease Course Monitoring

Full-cycle diagnosis and treatment monitoring, comparative observation of model differences, simultaneous analysis, comprehensive upgrade of diagnosis and research.



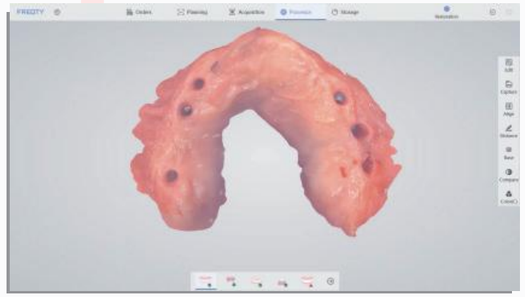
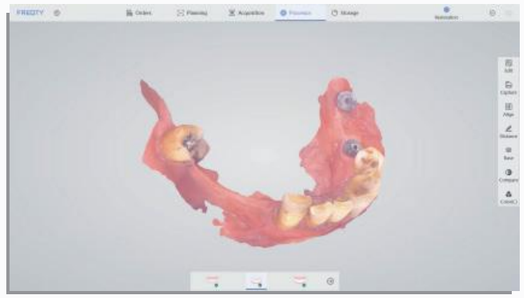
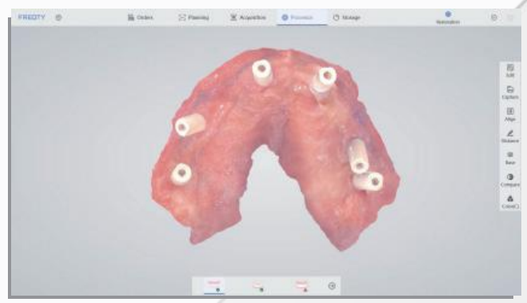
Cuff Tool

Clear cuff data, avoid tissue interference and lock automatically, significantly improving data reliability

APPLICATIONS

Implant

Data Acquisition | CAD - Implant Surgery Planning | 3D Guide Printing | Dental Implan | Secondary Data Acquisition | Make Dental Crowns | Fitting Crowns

Restoration

Data Acquisition | CAD - Restoration Design | CAM- Crown Milling - Wear Crowns | Fitting Dentures





Orthodontics

Data Acquisition | CAD - Orthodontic Plan | 3D Model Printing | Make Aligners | Fitting Aligners

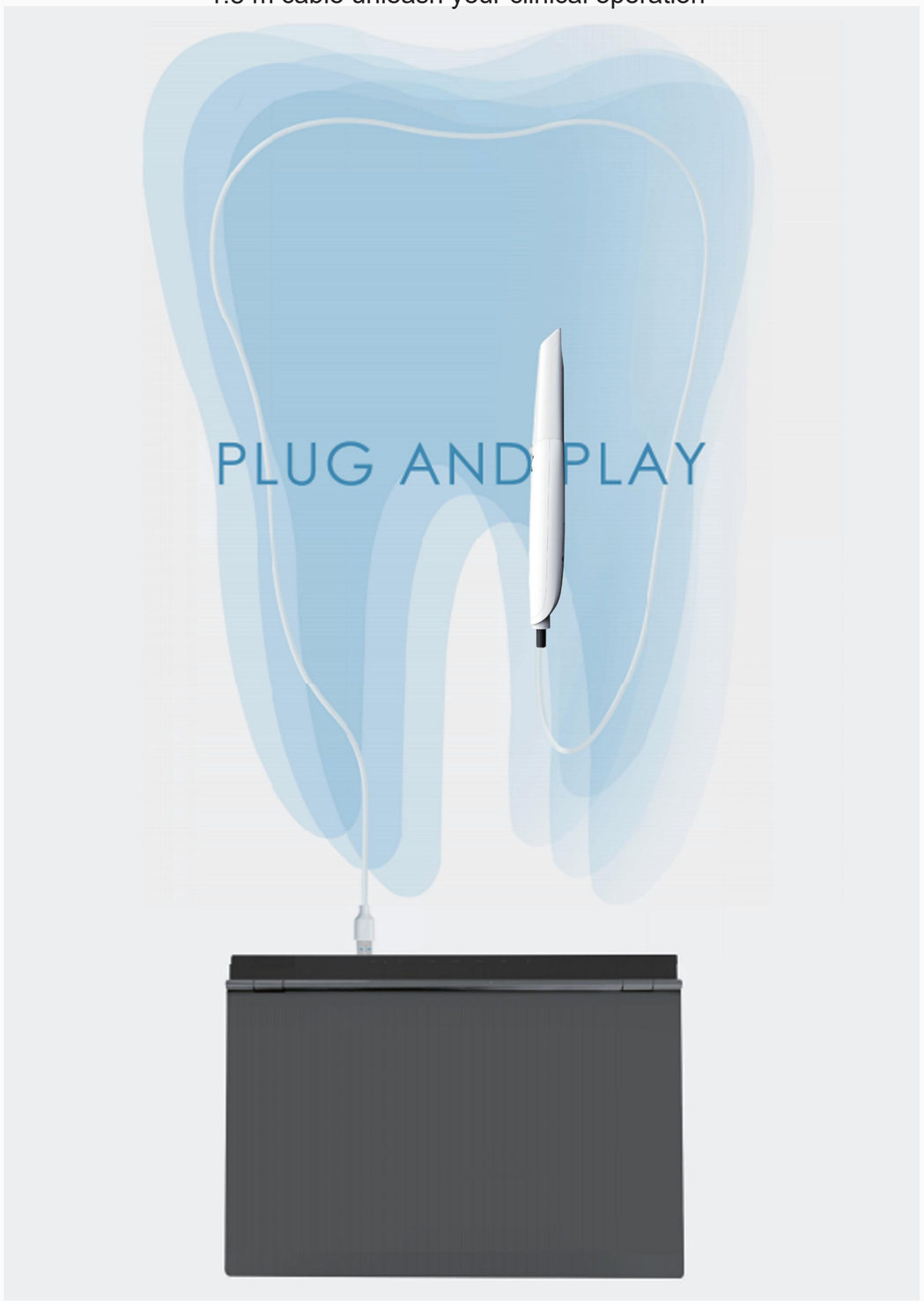






Plug & Play

Single-line connection，No power adapter needed
1.8 m cable unleash your clinical operation



Technical Parameters

Scanning Technology	Dynamic Staring 3D scanning
Total Size	222×33×28mm
Weight	145g（exclude wire）
Number of Tips	6 tips （autoclavable）
Tip Size	87mm×21mm×15mm
Scan Field	18mm×16mm
Depth of Field	0-20mm
Output Files	STL, PLY
Interface	USB 3.0
Full-Arch Scanning Time	<1 minutes
Light Source	White LED + Laser
Language	Chinese & English
Accuracy	≤7μm
Precision	≤5μm
Multi-Functional Button	Yes
Montion Sensing	Yes
Scanning Speed	24 fps

PC Requirements

CPU	Inter i7-12700H/Inter i7-13650H/ Inter i7-13700H/Inter i7-14650H or above
RAM	16G /32G or above
Hard Disk	SSD 512G or above
GPU	NVDIA RTX3060/NVDIA RTX4060 or above
Operating System	Windows11*64bit
Display	Resolution 1920*1080/2560*1600

WARRANTY

Standard Warranty	2 years