

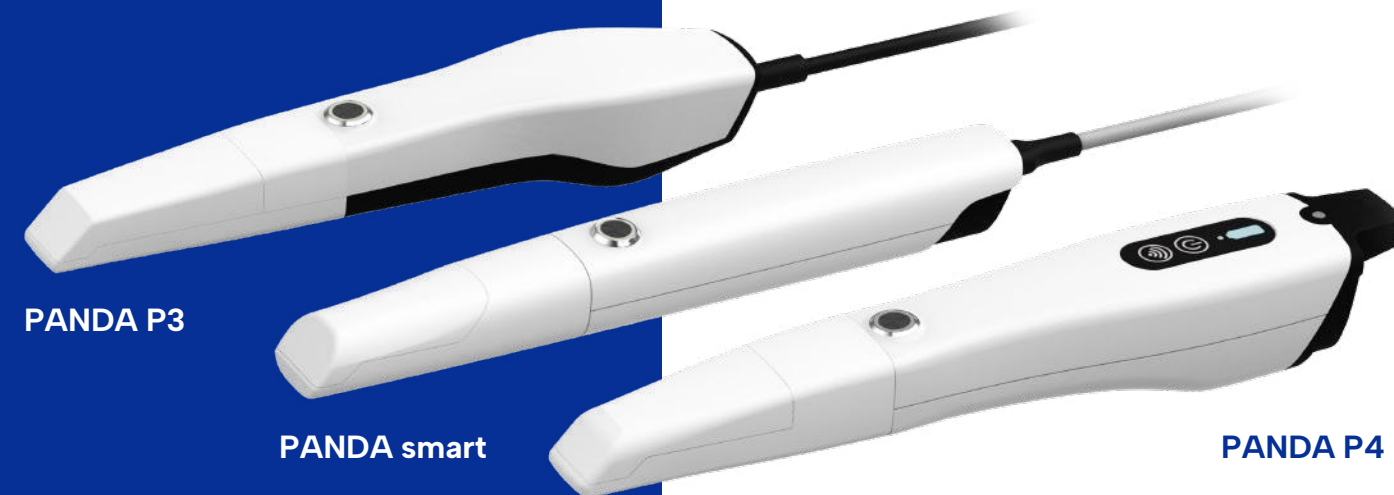


PANDA SCANNER ALL OVER THE WORLD

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Chengdu | Ziyang | Suzhou | Ningbo | Hong Kong | Fortaleza | Sao Paulo | San Jose, CA | Seoul

PANDA SCANNER



PANDA P3

PANDA smart

PANDA P4

**Panda 🐾
Scanner**

PANDA P3



Features



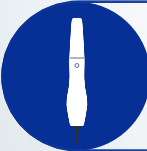
Multi-function Button

The tiny button carries great responsibilities, controlling the entire digital workflow. It prevents cross contamination by not touching the screen or clicking the mouse. Safety is always the top priority.



Motion Sensing

The gyroscope inside the scanner allows to see different angle of scanned images by just simply rotating the scanner. So you do not have to touch the screen to see the image.



Speedy Experience

AI technology and 3 cameras facilitate efficient scanning, and a full arch scan can be completed in 1-2 min.



3 Different Angle Tips

Meets the demands of mesial and distal scanning, improves patient comfort, and is more suitable for pediatric scanning.



Light Weight

Only 228 grams, providing dentists with a more relaxed scanning process.



Anti-fogging Technology

Innovative instant heating technology prevents the frustration of fogged lens.

PRODUCT INFORMATION

Category	PANDA P3
Scan Field	18x16mm
Scan Depth	0-15 mm (Adjustable up to 20mm)
Trueness	≤15μm
Precision	≤10μm
True Color	Full HD
Anti Fog System	Intelligent Heating
Full Arch Scanning Time	1 min
Handpiece Enclosure	Aviation Aluminum Alloy
Handpiece Dimension	216 x 40 x 36 mm
Handpiece Weight	228g
Tip Types	3 types (N/M/D)
Number of Tips included	x 5 (Autoclavable)
Tip Autoclave Cycle	20-50 times
Data Interface	USB3.0
Cable Length (m)	2m
Power Supply Type	AC/DC Medical Power Adapter
Supply Voltage (V)	100-240V/50-60Hz
Supply Current (A)	0.7-1.5A
Storage Temperature (°C)	-10°C-55°C



PANDA P4



Detachable Tips
You can choose suitable tips according to the different scanning scenarios.

Upgraded Chips
The chip upgrade has improved the scanning efficiency of smoke and blood stains, bringing higher quality scanning data.

Light Weight
Only 237g

Built-in Battery
Set and charge.
No need to replace the battery, making 24/7 standby accessible.



One Click:
Start/Pause scanning



Double Click:
Switch buccal/Switch color



Long Press:
Next step/Model processing



Metal Button
Remote control
of scanning process.

Wireless Connection
Breaking free from the constraints of traditional cables, making scanning more convenient and efficient.

3 in 1
The dock
The charger
The base



No more
Tedious
Steps



Millimeter wave technology

Low delay
Low power consumption
Efficient transmission



Upper jaw+ Low jaw+ Occlusion

Total scan time of
2 min



Super charge 1 H

It only takes 1 hour to reach the full power

Scan up to 60 cases with full battery = 2 H continuous scanning

Standby 24 hours

The 3-in-1 base allows the scanner
and anywhere, improving efficiency

PANDA P4

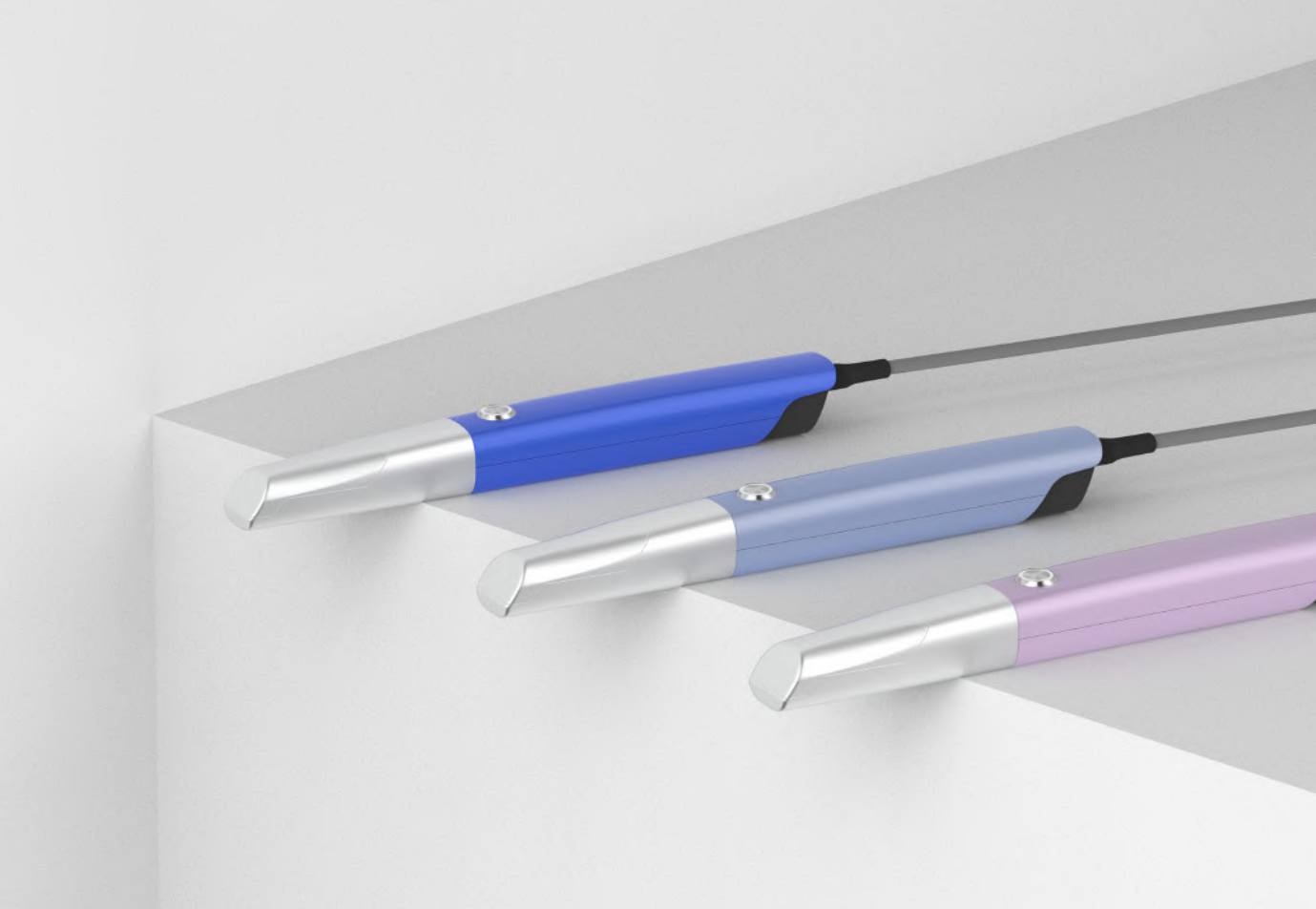
Wireless & Infinite



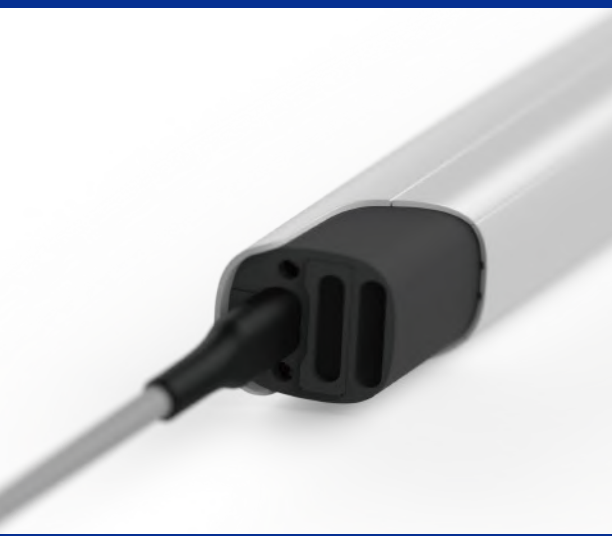
Specification

PRODUCT INFORMATION

Category	PANDA P4
Technology	Dynamic Staring 3D scanning
Handpiece Dimension	238×42×35mm
Handpiece Weight	237g
Tips	5 Tips
Tips Dimension	83x19x14(N) / 82x20x16(D) / 88x20x16(M)mm
Scan Field	18×16mm
Scan Depth	0~21mm
Output Files	STL, PLY, PTY, OBJ
Connection Method	Wireless
Full Arch Scanning Time	<2 mins
Light Source	White LED+ Laser
Trueness	≤15 μm
Precision	≤10 μm
Multi-function Button	YES
Montion Sensing	YES



PANDA smart



Features



Sleek and Compact

Only 138g
221x27x25mm



Ultra Fast and Precise

1 min ultra-fast scan
7 µm ultra-high accuracy



Plug and Play

No power adapter needed



Ergonomic Design

White ● Silver ●
50-100 autoclaving cycles

*Smaller
but
Greater*





Silence Operating Process
Transforming your dental appointment into a calming and stress-free experience.



One Button, Infinite Control
Control should be effortless, and innovation be intuitive. This design is aimed to simplify your interaction with products. With just a single press, you saved the effort to point with a mouse.



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



Anti-fogging Technology
Our innovative instant heating technology prevents the frustration of fogged lens.

New Collection

The art of intraoral scanners



Crystal White



Radiant Silver



Sparkly Purple



Ice Blue



Lightsaber Red



Champagne Gold



Laguna Blue





Specification

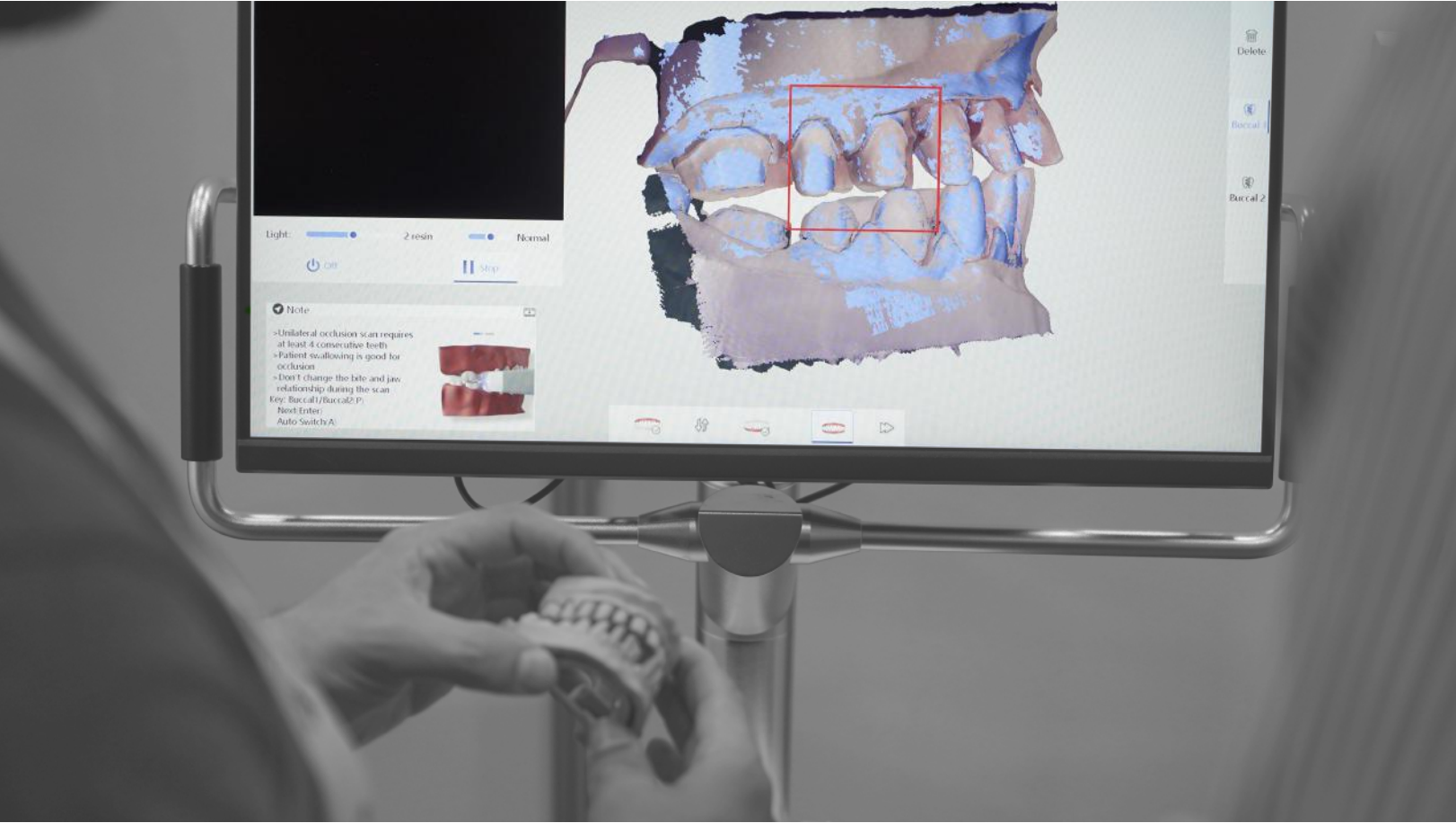
PRODUCT INFORMATION

Category	PANDA smart
Anti Fog System	Intelligent Heating
Trueness	≤7μm
Precision	≤5μm
Handpiece Weight	138g (192g with cable)
Handpiece Dimension	221x27x25mm
Handpiece Enclosure	High-strength Aviation Aluminum Alloy
Scan Field	18x16mm
Scan Depth	0-20mm
True Color	Full HD
Tips	x6 (Autoclavable)
Tip Autoclave Cycle	50-100 Times
Data Interface	USB3.0
Cable Length (m)	1.85m

Platform

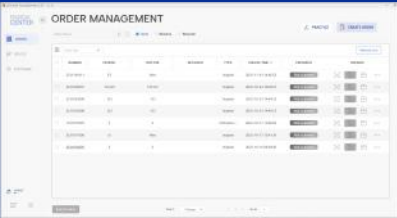
We have self-designed software to assist you in completing digitalization

1. **Panda Center** One-stop case management and data scanning
2. **Panda OrthoSim** Orthodontic simulation contributes to a better doctor-patient communication
3. **Cloud** Data storage and fast data transmission



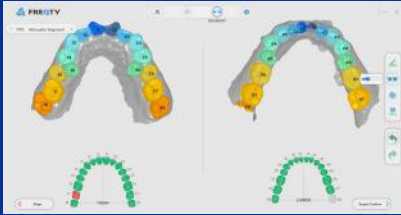
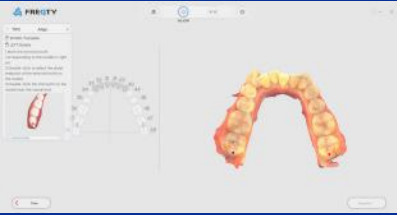
Panda Center

The new software PandaCenter can achieve full process connectivity and information integration from case creation, scanning, uploading data, to diagnostic analysis, allowing dentists to enjoy a more convenient and intelligent experience.



Panda OrthoSim

The new version of orthodontic simulation software combines advanced technological means and intelligent algorithms to achieve functions such as three-point alignment, intelligent segmentation, and intelligent tooth arrangement, making orthodontic treatment more convenient and accurate, bringing a new experience to both the dentists and the patients.



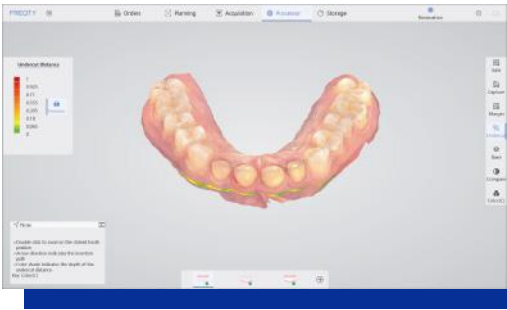
Cloud

Panda scanner provides stable, reliable, and efficient data transmission services for clinics and labs, while also possessing functional features such as case management, 3D preview, and case sharing, helping users better manage and process business data, and improving their work efficiency.



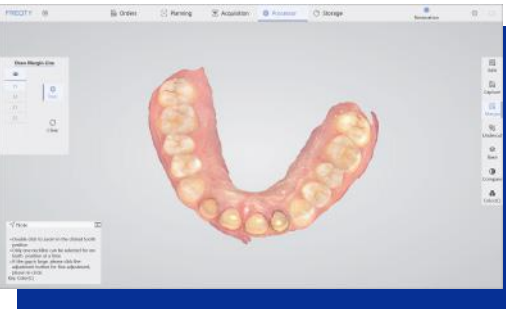
Scan and check
the 3D-preview

Software Features



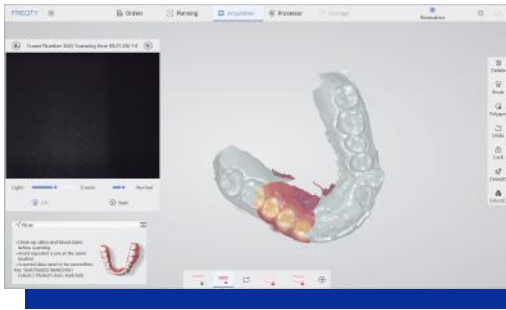
Undercut Check

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



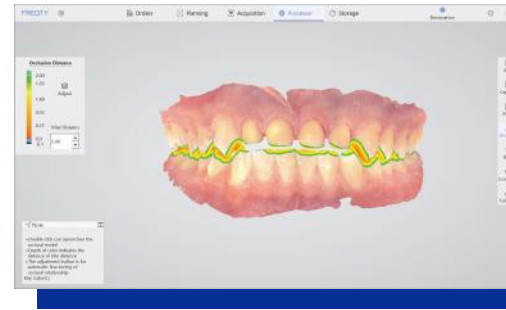
Margin Line Drawing

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



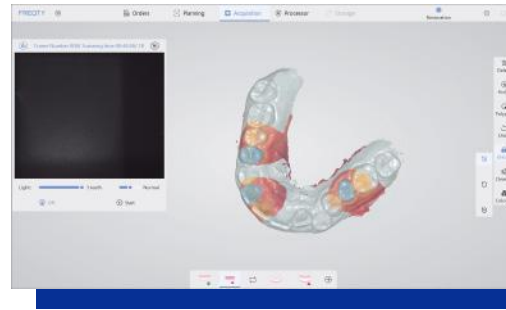
Pre-preparation Scan

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



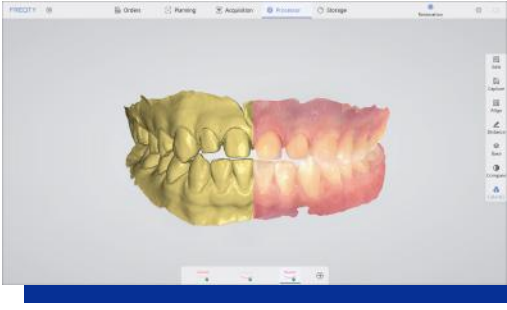
Bite Check

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



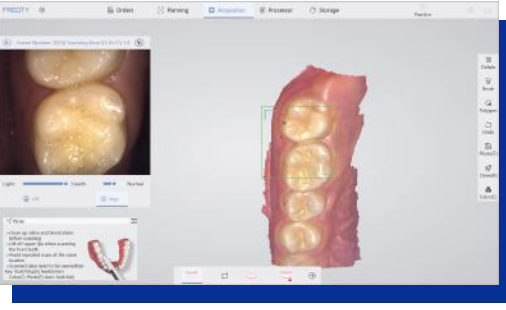
Data Lock

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



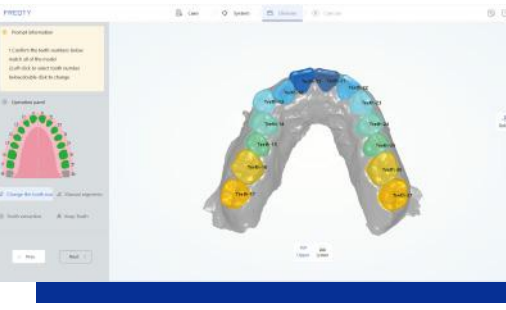
Color Switch

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



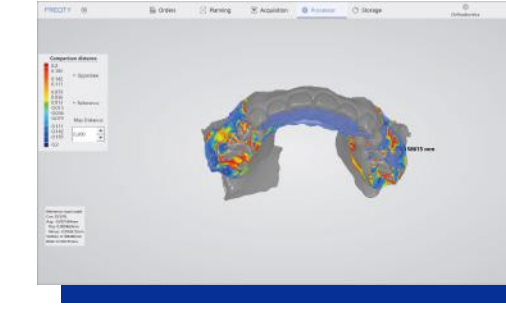
AI Intelligent Scan

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



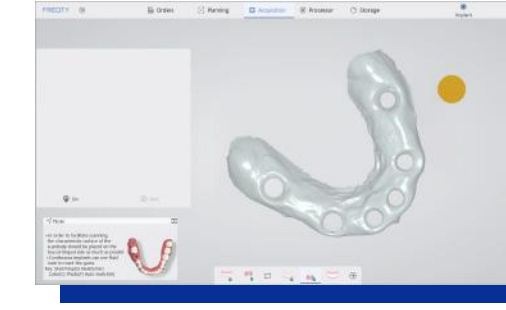
Orthodontic Simulation

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.

SOFTWARE

Category	PANDA P3 & P4 & smart
Types of Scanning	Orthodontics, Implant, Restoration
Image Capture	Yes
3D Data Preview	Yes
Output Files	STL, PLY, PTY, OBJ
Cloud Service	Yes
Cloud Service Price	5GB/free
Direct Compatibility with Dental CAD	Exocad*
Main Image Processing Tools	Trim/Edit/Recover/Lock, etc.
Margin Line Drawing	Yes
Occlusal Match	Yes
Undercut	Yes
Data Comparison	Yes
AI Technology	Auto Tissue Remove, Overlap Correct, etc.
Software License	Free
Software Upgrade	Free
Transfer Data with API	Available

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PC REQUIREMENTS

Category	PANDA P3 & P4 & smart
CPU	Intel i7-12700H/Intel i7-11800H or above
RAM	16G/32G
Hard Disk	SSD 512G or above
GPU	RTX2060/RTX3060 or above
Operating System	Windows10/11 64bit
Display	Resolution 1920×1080 and above

*Check the PC Recommendation Catalog on our website for more detail.

WARRANTY

Category	PANDA P3 & P4 & smart
Standard Warranty	1 year (P3) 2 years (P4 & smart)
Extended Warranty	2-3 years (P3) 2 years (P4 & smart)

*Note: 1. Free maintenance during the first two years (No labor fee charged).
2. For the extend warrenty fee, please check the files on our website.

PANDA Family Comparison

Model
Scan Principle
Total Size
Tip Type
Scan Area
Trueness
Precision
Frame Rate
Depth of Field
Weight
AutoclaveCycle for Tips
Cooling System
Battery Duration
BatteryCharging fime
Scanning Time



PANDA P3

Staring Scanning with Coded Structure Light

216x40x36 mm

Nx3 / Mx1 / Dx1

18x16(N) / 18x20(D) / 18x18(M)mm

15μm

10μm

18fps

0-20mm

228g

20-50times

Fan Cooling

/

/

1.5 min Single Arch / 3 min Full Arch

PANDA P4

Staring Scanning with Coded Structure Light

238x42x35mm

Nx3 / Mx1 / Dx1

18x16(N) / 18x20(D) / 18x18(M)mm

15μm

10μm

24fps

0-20mm

237g

20-50times

Turbo Fan Cooling

2h Continuously

1h

1.5 min Single Arch / 3 min Full Arch

PANDA smart

Staring Scanning with Coded Structure Light

221x27x25mm

Nx6

18x16(N)mm

7μm

5μm

24fps

0-20mm

138g

50-100times

Turbo Fan Cooling

/

/

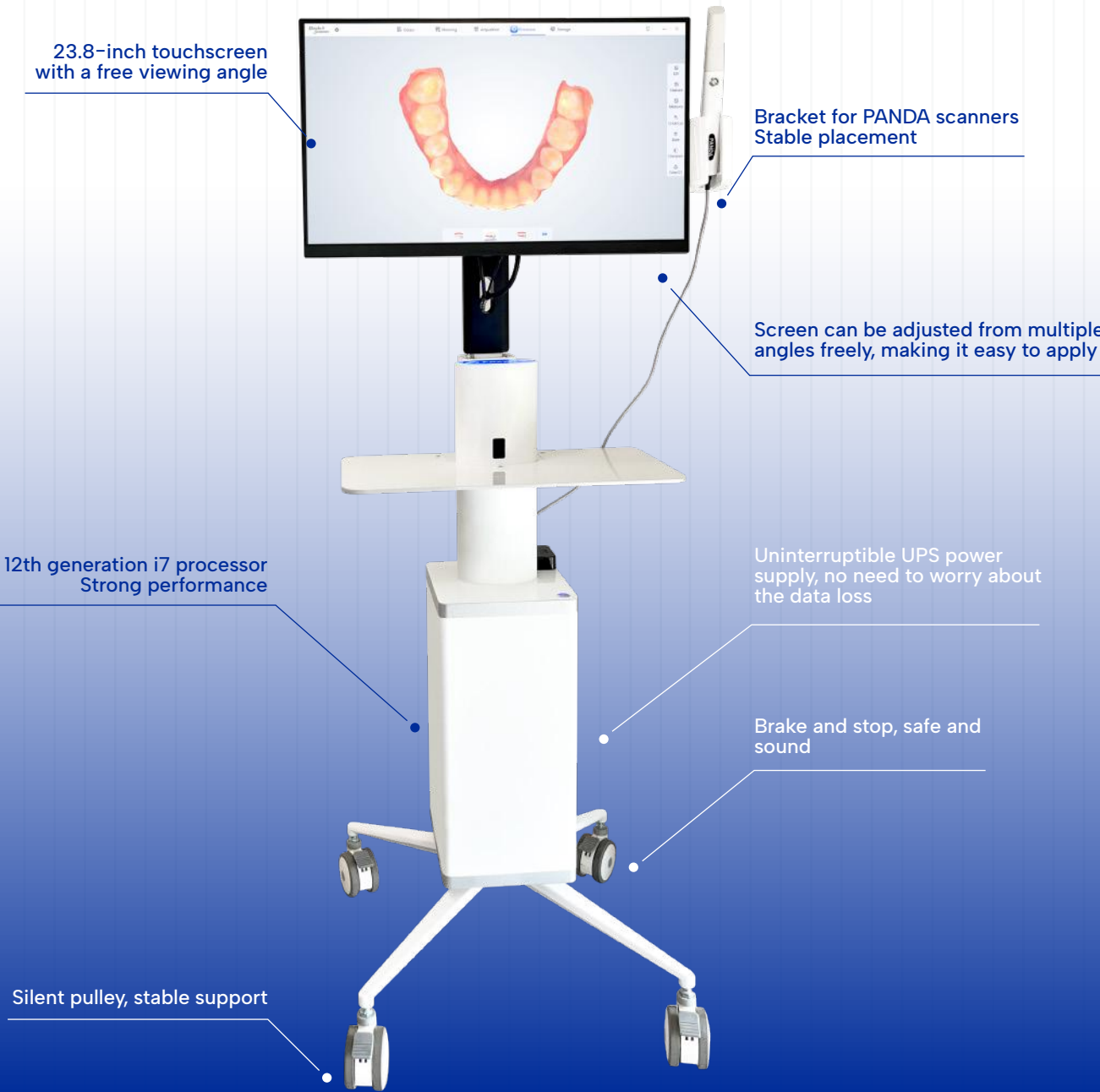
1 min Single Arch / 2 min Full Arch



BAMBOO B2

The ideal mobile solution for intraoral scanners

Weight: 21kg | Packing Size: 515mm×540mm×1390mm



About Freqty & Panda Scanner

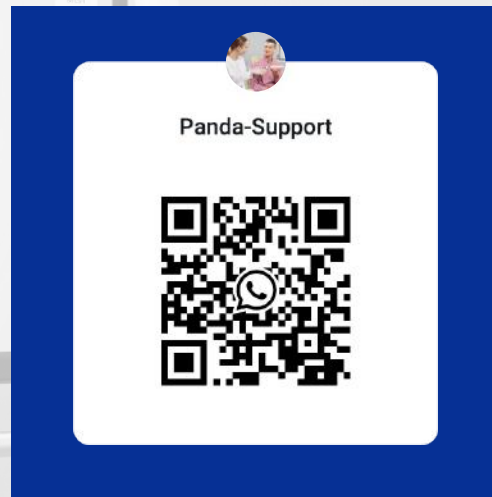
Panda Scanner is a registered brand of Freqty Technology, a Chinese company dedicated to the research and application of 3D imaging technology. Freqty has obtained more than 40 patent authorizations worldwide and has established branches in Hong Kong, Brazil, USA and Korea.

Freqty is deeply engaged in the field of digital dental medical device, and is committed to providing complete dental digital solutions for dental hospitals, clinics, and laboratories worldwide.



Customer Support

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