

Panda 
Scanner

PANDA P2

Create Maximum Value
For Every User



Brand Introduction



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Panda Scanner is the registered brand of Freqty Technologies, a high-tech enterprise in the field of digital dental equipment. The company is committed to the R&D and manufacturing of 3D digital intraoral scanners and related software. Provide complete digital dental solutions for dental hospitals, clinics and dental laboratories.

In cooperation with Chinese Academy of Sciences, West China Hospital of Stomatology (Sichuan University), University of Electronic Science and Technology of China, Zunyi Medical College, Harbin Institute of Technology. Since the company was founded, we have aspired to be the world's best manufacturer of 3D intraoral scanner and a professional provider of digital dental workflow solutions. Precise your digital impression and grow your business!



FREQTY
频泰科技

Panda
Scanner

The image shows three white, cylindrical objects, likely pens or markers, lying on a white surface. The objects are arranged in a slightly overlapping manner, with one in the foreground and two behind it. The lighting is soft and even, highlighting the smooth texture of the objects. The background is a plain, light-colored surface.

Product Parameters

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Smaller, Faster and More Affordable!

Overall Size

216 x 40 x 36 mm

Tips End

19.6 x 14.6 mm

Autoclavable

Field of View

17 x 15 mm

Depth of Field

15 mm

Patents

40+

Certificates

CE ISO FDA

Interface

USB3.0

Data Output

STL PLY PTY

*encrypted data available

30 sec.

Full Arch Scanning

3 types

Different Angle Tips

10 μm

More Accurate

226g

Aviation Aluminum

PRODUCT INFORMATION

Acquisition Technology	Staring Scan
Camera Number	x 3
Scan Field	17x15mm
Scan Depth	15mm (up to 21mm)
Precision	5µm
Accuracy	10µm
Color	Full HD
Anti Fog System	Intelligent Heating
Full Jaw Scanning Time	30 Seconds
True Color	Yes
Handpiece Enclosure	Aviation Aluminum Alloy
Handpiece Dimension	216 x 40 x36 mm
Handpiece Weight	226g (246g with tip)
Tips Type	3types (D/M/L)
Number of Tips included	5
Autoclave Cycle for Tips	50 times
Calibrator	Automatic
Scanning Control	Foot Pedal
Image Transfer Interface	USB3.0
Cable Length (m)	2m
Cart Touchscreen	Optional
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° – 55°
Operating Temperature (°C)	15°–30°

AFTERSALES

Standard Warranty	1 year
Extend Warranty	4 years available

REGULATORY (Documentation & Certification)




Certification	CFDA/CE/ISO13485/FDA/ INMETRO/ANVISA, etc
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SOFTWARE

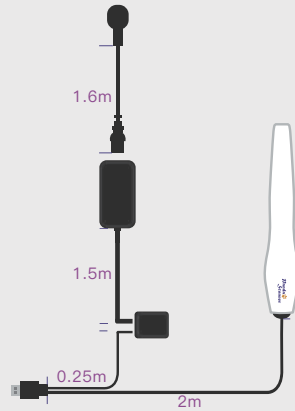
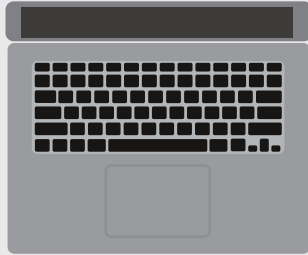
Treatment for	Orthodontics, Implant, Restoration, etc
Image Store	Yes
3D Data Preview	Yes
Output Files	STL, PLY, PTY (encrypted for user)
Cloud Service	Yes
Cloud Service Price	5GB/free
Direct Compatibility with Dental CAD	Exocad*
Main Image Processing Tools	Trim/Edit/Recover/Lock, etc.
Margin Line Drawing	Yes
Occlusal Matching	Yes
UnderCut	Yes
Data Comparing	Yes
AI Technology	Auto Tissue Remove, Overlapping Correct, etc.
Software Licence	Free
Software Upgrade	Free
API	Available
Scanning Feedback	Music

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PC/Laptop IT Requirements

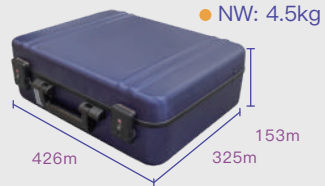
OS	 Windows10*64 bit
CPU	 Intel Core i7-10870H/ Intel Core i7-10875H/ Intel Core i7-11800H
GPU	 RTX3060 or above
RAM	16G or 32G
ROM	recommend 512G SSD or above
Interface	USB 3.0

Cables Diagram



PANDA P2

Box Diagram



Features



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Product Features



AI Technology, much smarter, improve a lot of scanning experience



3 Different tips, meet more demands of different applications



Much smaller, very easy to operate



Clear margin line, full HD color, high accuracy



Fast scanning speed, easy to learn and use



Powder-free and true color scan

Application Features

● Efficient Treatment Experience

Reproduce the real state of teeth

Accurate anatomical features

3D high-definition color, visual communication

Easy and exciting treatment experience

● Accurate Shoulder Margin

Clear and easy to identify margin lines

Simplify CAD design

Real-time accurate display

Improve the success rate of visits

● Convenient Preparation Check

Shadow detection for better preparation

Clear occlusion registration check

Convenient tools for clinics and laboratories

Adjust and correct production in time

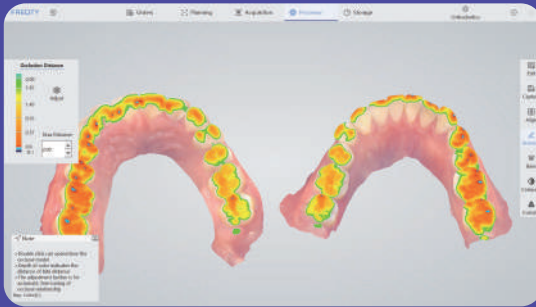
● Revolutionary Improvement

Scanning speed improve 50%

Handpiece weight decrease 50%

Data accuracy improve 30%

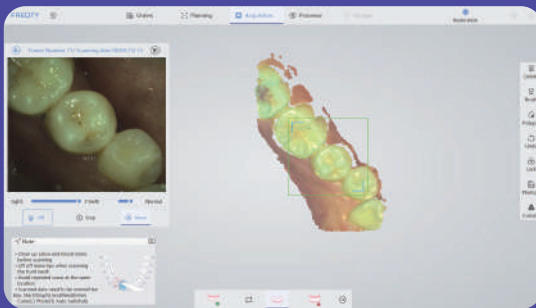
Height of tips decrease 14%



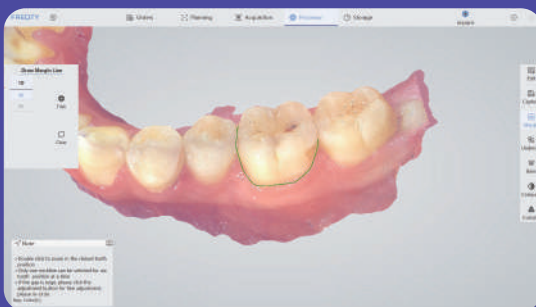
Bite Check



Teeth Measurement

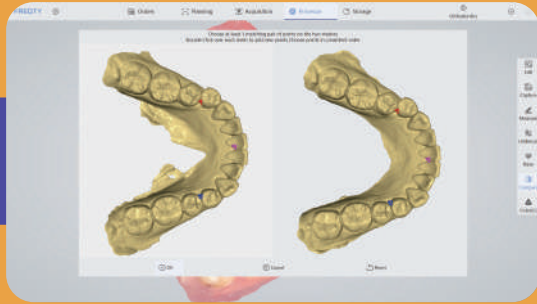


2D Images Store

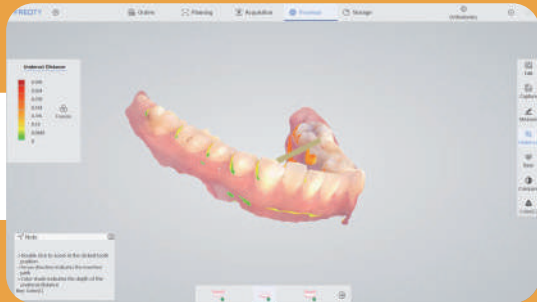


Margin Line Drawing

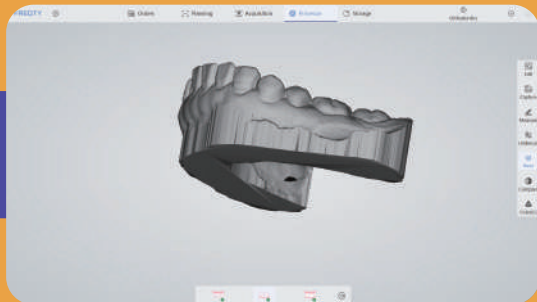
Cases Comparison



Undercut



Base Adding



Direct Export into Exocad*



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User-Friendly Function

Practice Model

Music Feedback

Strengthen Scanning Model

Black Teeth/Yellow Teeth Model

Images Capture

Case Import



Applications

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● Restoration

Accurate and clear shoulder margin brings efficient design, and high-definition color images help dentists effectively distinguish between gingiva and teeth. One visit, immediate restoration.



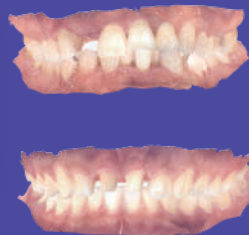
● Implant

Fast scanning with a large field of view, easily capture 3mm data of cuff, and accurately scan of metal path pin. No need to do repeat impression and improve patient's treatment experience.



● Orthodontics

High accuracy of the full dentition, restore the real state of full arch. Get orthodontic treatment quickly, and save time for more patients.





PANDA SCANNER