

PANDA

Create Maximum Value
For Every User



Panda 
Scanner

WHO ARE WE

In **2015**, a team of top engineers in optics, electronics, computers & algorithm decided to accelerate the era of digital dentistry and let all dentists enjoy the profit by digitalization!

This is when we began and what we supposed to do!

In **2016** and **2017**, we launched the **Artisan** and **PANDA P1** intraoral scanners, and the latter is the 1st powder-free and true color one in China!

In **2019**, we launched the revolutionary **PANDA P2** intraoral scanner and got CFDA approval in the 2nd half of 2020, as well as CE, ISO13485, Inmetro and more certifications.

In **2021**, we won **No.1** place of China market, with more than **3,000** units installed!

Panda Scanner is the **only** intraoral scanner with clinical trial report!
Fregty is the **only** domestic manufacturer invited for drafting National Standard of Digital Impression!

In **2022**, **Panda P3** is coming, and more?!

In **2023**, more?!

...



New Design



PANDA P3

● Start/Stop Button

Not just a button, but a switch to a smarter life.

No need to touch the screen/type on the keyboard.

Control the scanning process at ease.

● Motion Sensing Function

Not just a gyroscope, but a best human interaction application.

Rotate the scanning data with just a wave of the hand.

Enjoy the fun of technology.

● Convenience

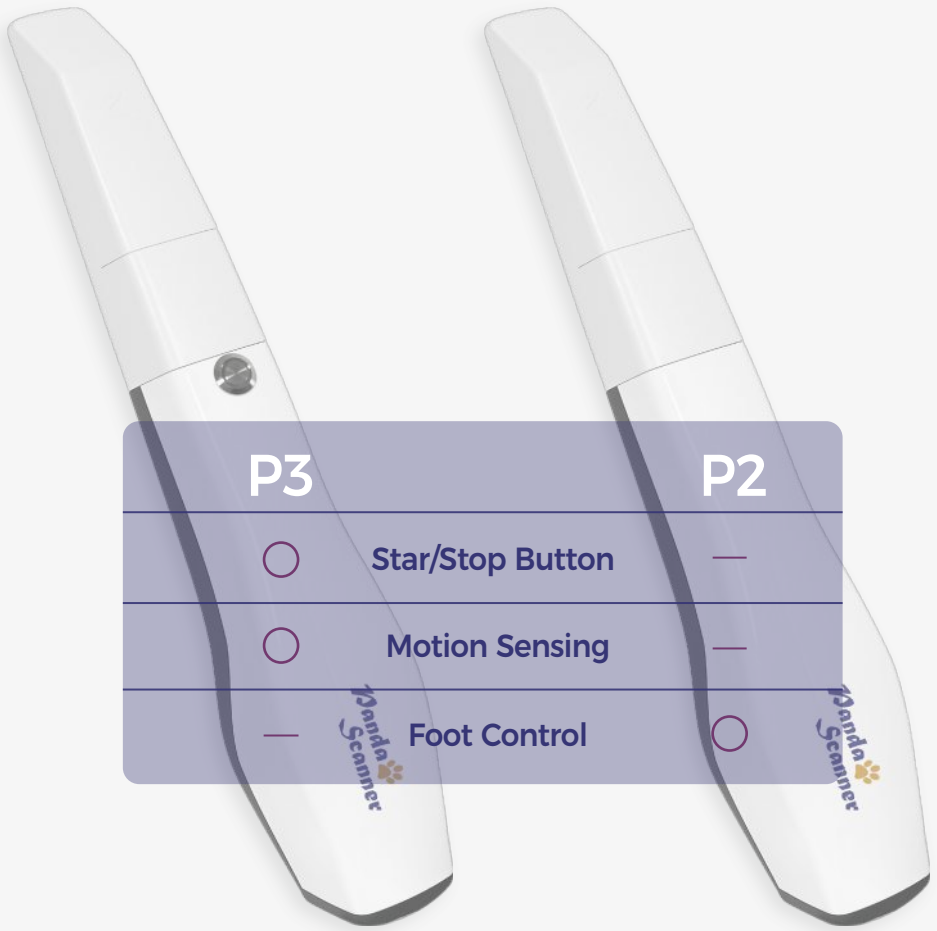
With a foot pedal, dentists can control the scanning process at ease, and enjoy the fun of scanning.

● Performance

Panda P2 was launched in 2019, and in its second year, P2 sold more than 3000 units in the national market, which made P2 the best-selling intraoral scanner in 2021 of China.

PANDA P2





P3

P2



Star/Stop Button



Motion Sensing



Foot Control



A close-up, black and white photograph of a white mechanical device, possibly a microscope or a precision instrument. The device has a sleek, modern design with a prominent circular component on the right side. The background is dark and out of focus, emphasizing the device's form and texture.

Product Parameters

1



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

18 x 16 mm

Depth of Field

20 mm

Patents

40+

Certificates

CE ISO FDA

Interface

USB3.0

Data Output

STL PLY PTY

*encrypted data available

1-2 min

Full Arch Scanning

3 types

Different Angle Tips

10 μ m

More Accurate

246g

Aviation Aluminum

PRODUCT INFORMATION

Acquisition Technology	Staring Scan
Camera Number	x 3
Scan Field	18x16mm
Scan Depth	20mm
Precision	5µm
Accuracy	10µm
Color	Full HD
Anti Fog System	Intelligent Heating
Full Jaw Scanning Time	1–2 min
True Color	Yes
Handpiece Enclosure	Aviation Aluminum Alloy
Handpiece Dimension	216 x 40 x 36 mm
Handpiece Weight	226g (246g with tip)
Tip Types	3types (N/M/D)
Number of Tips included	5
Autoclave Cycle for Tips	30–50 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°C

AFTERSALES

Standard Warranty	1 year
Extend Warranty	2–3 years available

CERTIFICATIONS




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

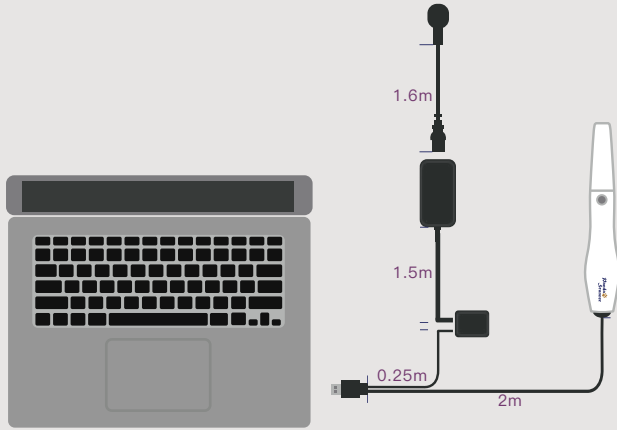
Treatment for	Orthodontics, Implant, Restoration, etc
Image Store	Yes
3D Data Preview	Yes
Output Files	STL, PLY, PTY (encrypted for user)
Cloud Service	Yes
Cloud Service Price	5GB/free
Direct Compatibility with Dental CAD	Exocad*
Main Image Processing Tools	Trim/Edit/Recover/Lock, etc.
Margin Line Drawing	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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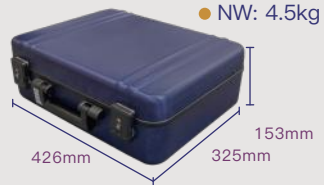
PC Requirements

OS	 Windows10*64 bit
CPU	 Intel Core i7-10870H/ Intel Core i7-10875H/ Intel Core i7-11800H
GPU	 GTX1660TI/RTX2060/RTX3060
RAM	16G or 32G
ROM	recommend 512G SSD or above
Interface	USB 3.0

Cables Diagram



Box Diagram



Features



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
Compatible with CAD software
Real-time accurate display
Improve the success rate of visits

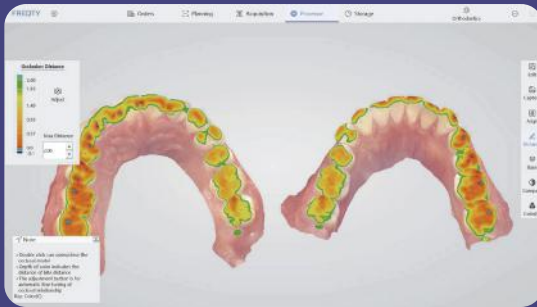
● Convenient Preparation Check

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%

*Comparing to the P1 prototype



Bite Check



Teeth
Measurement

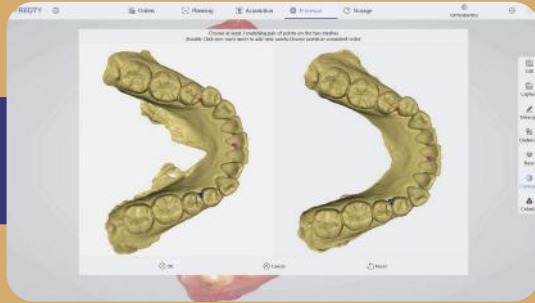


2D Images
Store



Margin Line
Drawing

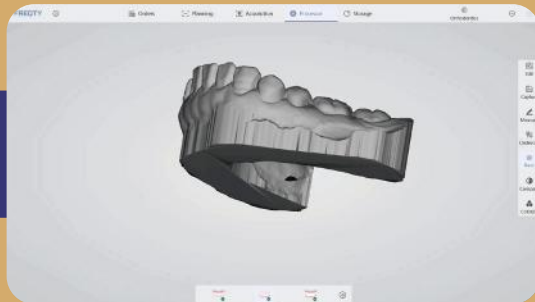
Cases Comparison



Undercut



Base Adding



Direct Export into Exocad*



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User-Friendly Function

Practice Mode

Music Feedback

Enhanced Scanning Mode

Black Teeth/Yellow Teeth Mode

Images Capture

Case Import

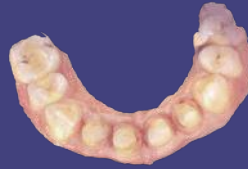


Applications

3

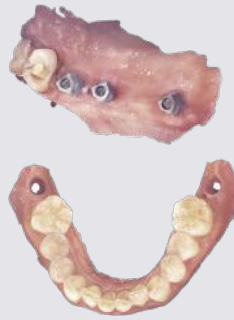
● Restoration

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.



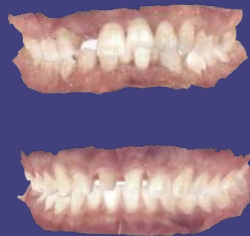
● Implant

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

Intraoral Scanner

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