# PANDA P3

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 in China!
Freqty is the only domestic manufacturer invited for drafting National Standard of Digital Impression!

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

In 2023, more?!

...

FREQTY 频泰科技

Panda Scanner



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

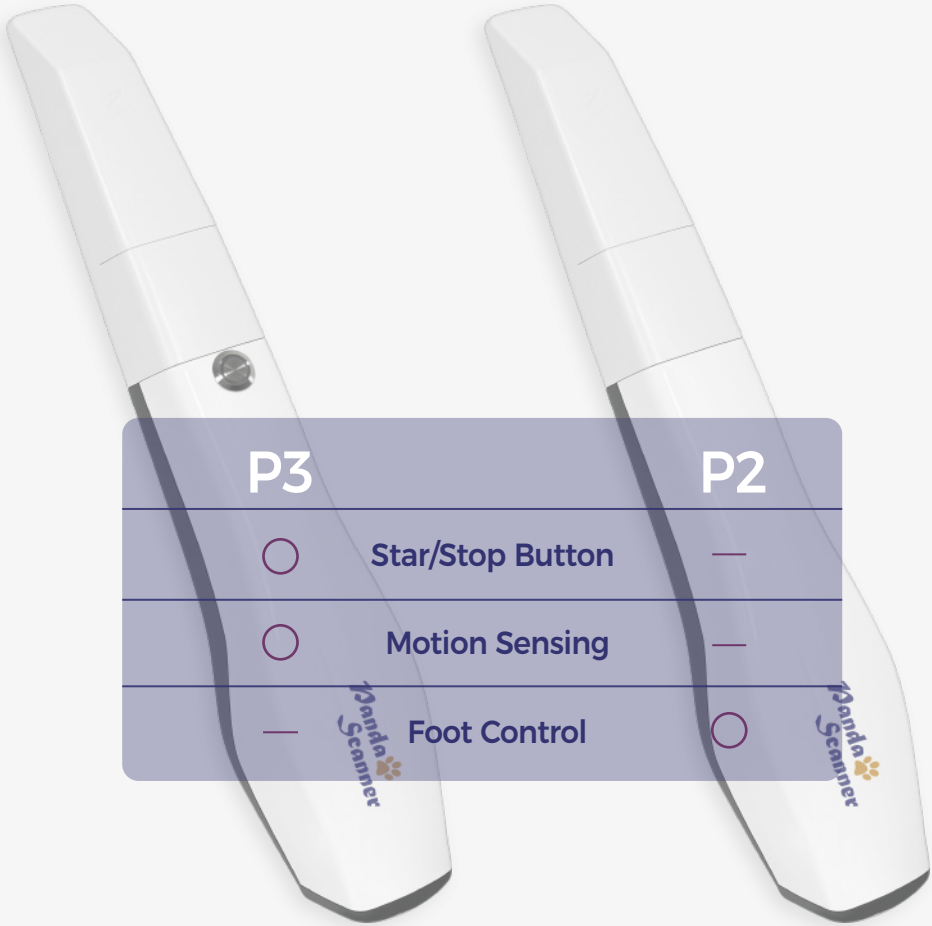
With a foot pedal, dentists can control the scanning process at ease, and enjoy the fun of scanning.

## 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
Panda Scanner
Panda Scanner



# 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 μm**
More Accurate

**228g**
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 | 228g |
| 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 Lenght (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 |

# 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, Overlaping Correct, etc. |
| Software Licence | Free |
| Software Upgrade | Free |
| API | Available |
| Scanning Feedback | Music |

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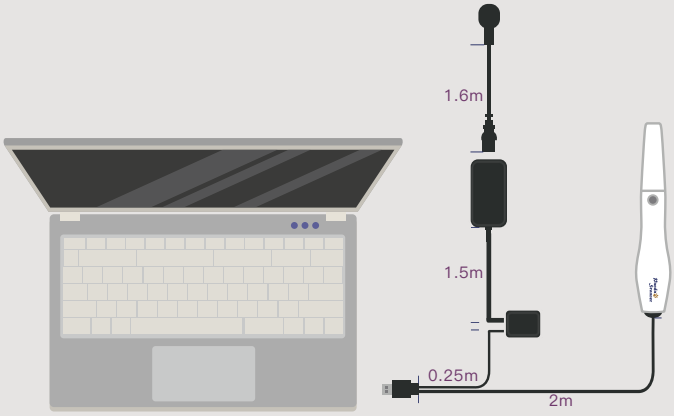
# PC Requirements

| | |
|---|---|
| CPU | Intel i7-8700(3.2GHz) and above |
| RAM | DDR2400 16G and above |
| Hard disk | Solid state drive SSD 120G and above |
| Graphics card | NVIDIA GTX1060 (6G) and above |
| Computer operating System | Windows10*64 bit |
| Display | Resolution 1920×1080 and above |

## Cables Diagram




## Box Diagram








# Features

# 2

# 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
- HD — 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

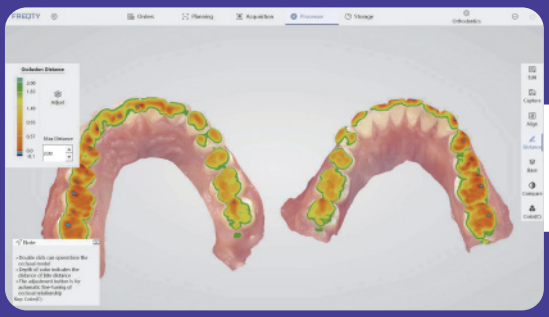
## Convenient Preparation Check

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%

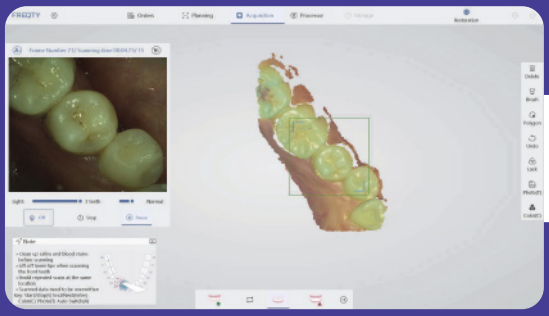
*Comparing to the P1 prototype



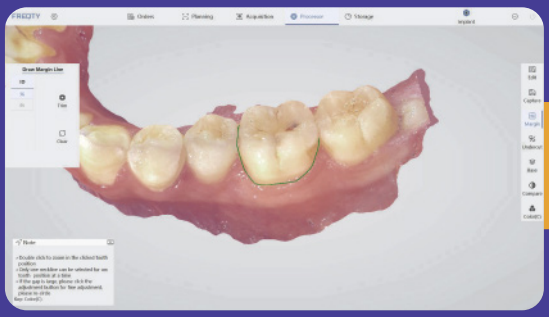
Bite Check



Teeth Measurement

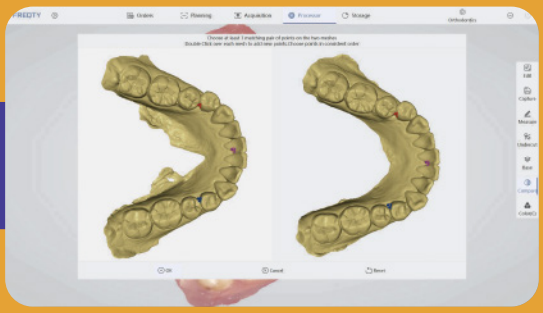


2D Images Store

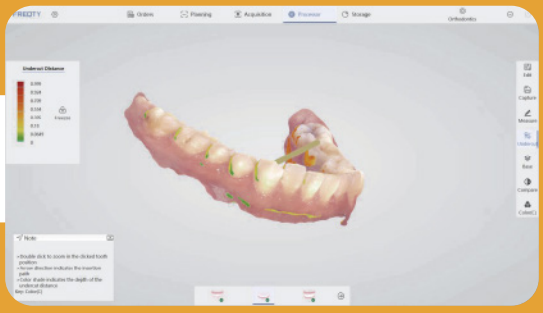


Margin Line Drawing

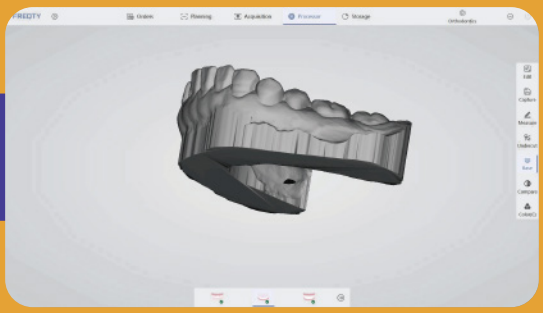
## Cases Comparison



## Undercut



## Base Adding



## Direct Export into Exocad*

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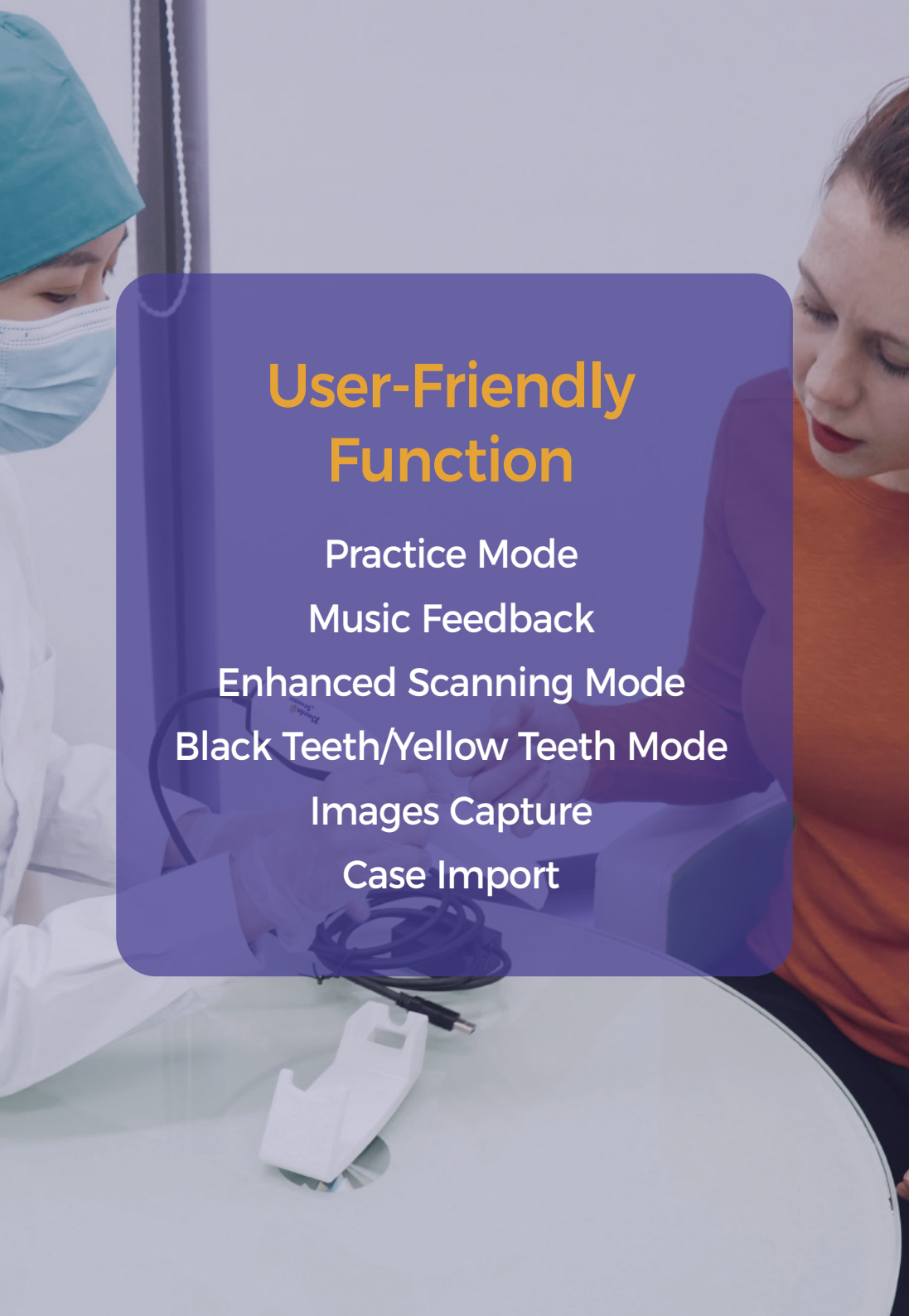


# User-Friendly Function

Practice Mode

Music Feedback

Enhanced Scanning Mode

Black Teeth/Yellow Teeth Mode

Images Capture

Case Import

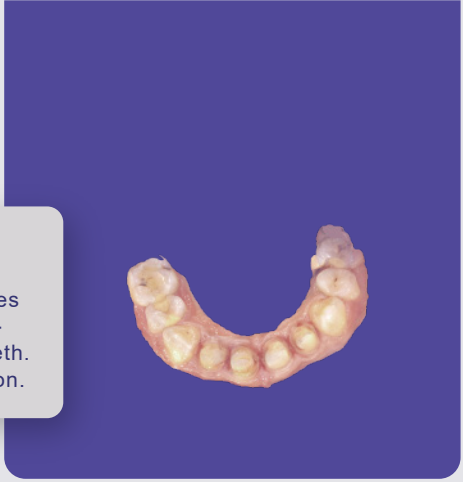


# Applications

# 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.



# Customer Assistance



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Panda Scanner




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