



PANDA SCANNER

China | Brazil

www.panda-scanner.com
info@panda-scanner.com

Chengdu (R&D center) : 5th Floor, Building 6, Zhaoxin International, 86 Wuxing Road, Wuhou District, Chengdu City, Sichuan Province, China
Tel : (+86) 028 8531 2603

Ziyang (Manufacturing) : Floor 2-3, unit 7, Building 3, No. 222, West Section 3, Outer Ring Road, Yanjiang District, Ziyang City, Sichuan Province, China
Tel : (+86) 028 2657 7388

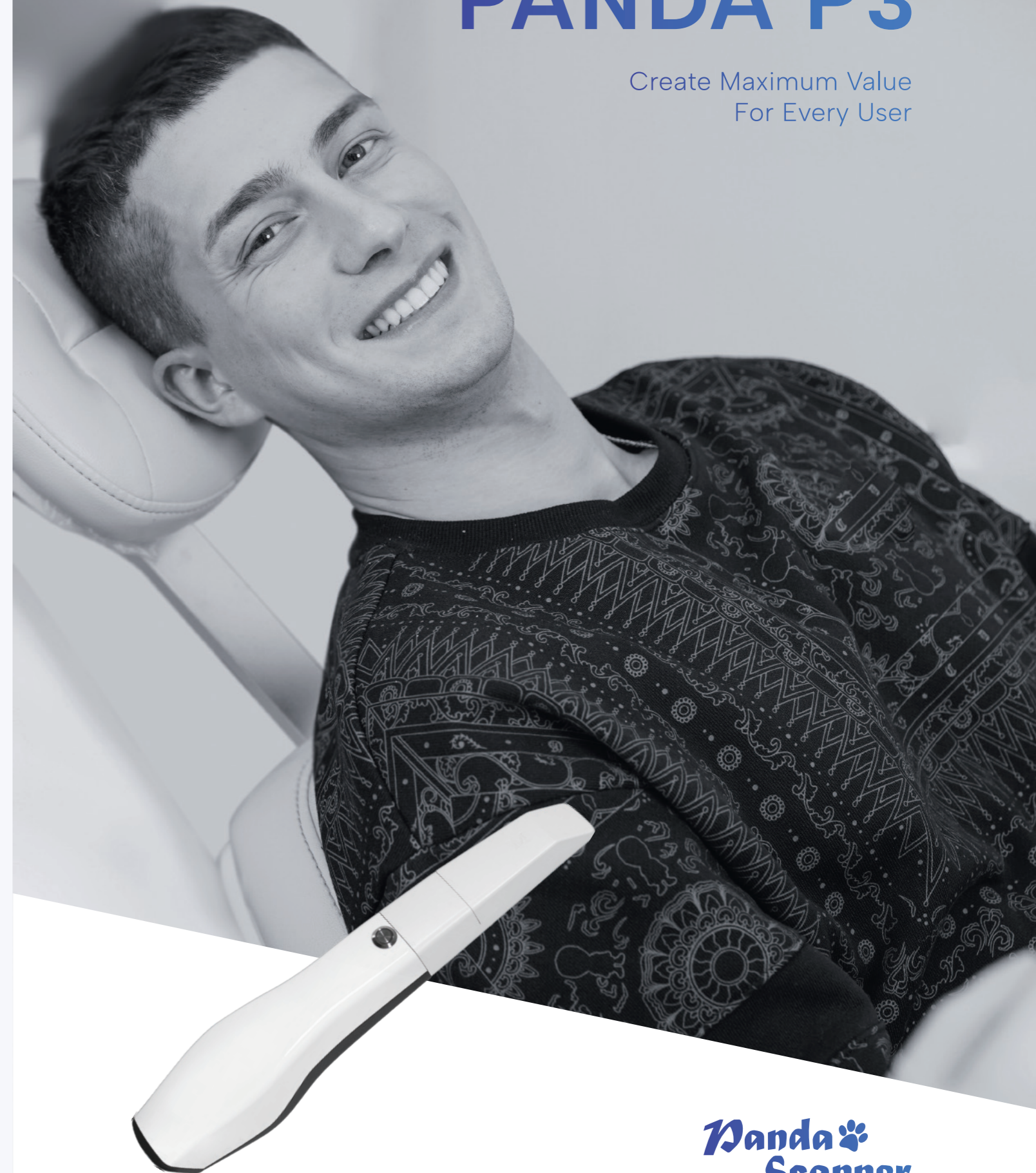
Suzhou (Overseas sales) : Room 812, Building 3, Tiandu Tower, No. 211 Changjiang Road, High-tech Zone, Suzhou City, Jiangsu Province, China
Tel : (+86) 0512 6658 0776

Ningbo (Headquarter) : Room 807, Building A, Science and Technology Information Incubation Park, No. 655, Xueshi Road, Yinzhou District, Ningbo City, Zhejiang Province, China
Tel : (+86) 0574 2882 8655

Brazil : 138 João Alves Albuquerque -Parque Manibura - Fortaleza -CE- Brazil
Tel : (+55) 85 98148 3241

PANDA P3

Create Maximum Value
For Every User



Panda 
Scanner

Who are we?

In **2015**, a team of top engineers of optics, electronics, computers & algorithm from Chinese Academy of Science decided to accelerate the era of digital dentistry and let every dentist have one intraoral scanner. This is how panda started.

In **2016** and **2017**, we launched PANDA P1 intraoral scanner. P1 was the first powder-free intraoral scanner and the final resolution was true colored.

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 beat other traditional IOS brands and became the NO.1 top seller in Chinese Market with more than 3000 units installed!

Panda Scanner is the only intraoral scanner with clinical trial report in China!

Freqty is the only domestic manufacturer invited to draft National Standard of Digital Impression!

In **2022**, PANDA P3 is officially launched with new features of button control and motion sensing. By middle of **2022**, Panda Scanner has already scanned more than 1 million cases!

In **2023**, we will not only shake but also shape the Intraoral scanner industry.



Button control

The tiny button carries great responsibilities.
The button controls the entire digital workflow.
It prevents the cross contamination by without touching the screen or clicking the mouse.
Safety is always the 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.



NEW DESIGN

Parameters

1 min
Full Arch Scanning

3 tips
with Different Angles

10 μ m
More Accurate

228 g
Aviation Aluminum Alloy

| | |
|----------------|---|
| 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 | CFDA/CE/ISO13485/FDA/INMETRO/ANVISA, etc. |
| Interface | USB 3.0 |
| Data Output | STL PLY PTY *encrypted data available |

PRODUCT INFORMATION

| | |
|--------------------------|---|
| Technology | Starting Scanning with Coded Structured Light |
| Camera Number | x 3 |
| Scan Field | 18x16mm |
| Scan Depth | 15mm |
| Accuracy | ≤15μm |
| Repeatability Precision | ≤10μm |
| Color | Full HD |
| Anti Fog System | Intelligent Heating |
| Full Jaw Scanning Time | 1 min |
| True Color | Yes |
| Handpiece Enclosure | Aviation Aluminum Alloy |
| Handpiece Dimension | 216 x 40 x 36 mm |
| Handpiece Weight | 228g |
| Tip Types | 3 types (N/M/D) High Temperature Disinfection |
| Number of Tips included | 5 |
| Autoclave Cycle for Tips | 20 times |
| Calibrator | Automatic |
| Scanning Control | Button |
| Image Transfer 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 |

AFTERSALES

| | |
|-------------------|---------------------|
| Standard Warranty | 1 year |
| Extended Warranty | 2-3 years available |

SOFTWARE

| | |
|---|---|
| Types of Scanning | Orthodontics, Implant, Restoration |
| 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 Match | Yes |
| Undercut | Yes |
| Data Comparison | Yes |
| AI Technology | Auto Tissue Remove, Overlap Correct, etc. |
| Software License | Free |
| Software Upgrade | Free |
| Data directly to other platforms with API | Available |

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PC REQUIREMENTS

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



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

- **High resolution and true image**

- Reproduce the real state of teeth

- Accurate anatomical features

- 3D high-definition color, visual communication

- Easy and exciting treatment experience

- **Various range of software**

- Clear and easy Margin Line drawing

- Pre-op Scan available for Implant and restoration

- Comparison of two sets of data such as denture and full arch

- Enhanced scanning option for Veneer

- **Case selection and finalized report**

- Auto Preparing the case report to the labs

- Various options to select in reports such as Bridge or Crown

- Convenient tools for clinics and laboratories

- **Multiple platforms to access the case**

- 3D preview allows to be accessed via the phone

- Share the cases to patients immediately after scanning

- Fully prepared case reports to the labs

- One click link directs to EXOCAD

- **Revolutionary Improvement ***

- Scanning speed improve 70%

- Handpiece weight decreases 10%

- Data accuracy improves 30%

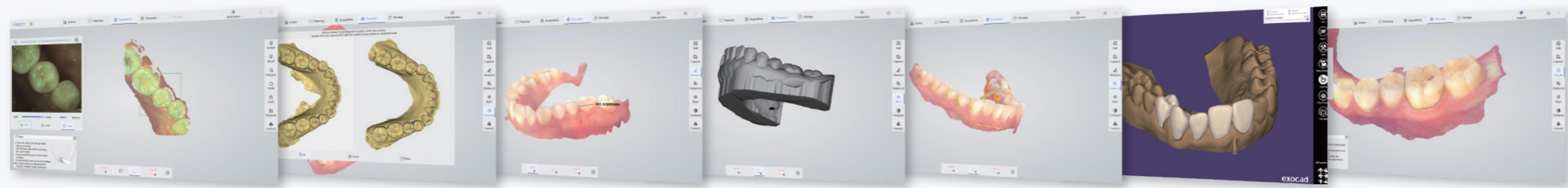
- Height of tips decreases 14%

- *Compared to the P2





• Bite Check



2D Image Store

Cases Comparison

Teeth Measurement

Base Adding

Undercut

Direct Export into Exocad*

Margin Line Drawing

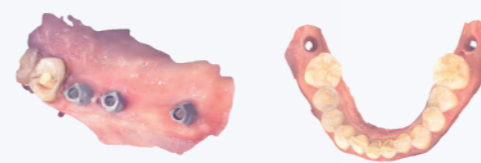
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Applications



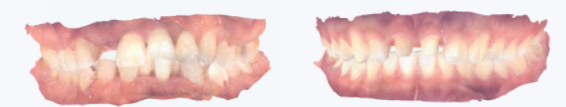
Restoration

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 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.

