**PTI**
Scanner

# PTI Scanner
### Create Maximum Value
### For Every User



SWEDEN
RUSSIA
POLAND
GERMANY
UNITED KINGDOM
FRANCE
CHINA
UNITED STATES
PORTUGAL    ITALY
SPAIN
JAPAN
EGYPT    DUBAI
MEXICO
INDIA
THAILAND
PERU
BRAZIL
AUSTRALIA
SOUTH AFRICA
ARGENTINA

## PTI Scanner
## ALL OVER THE WORLD

# PTI
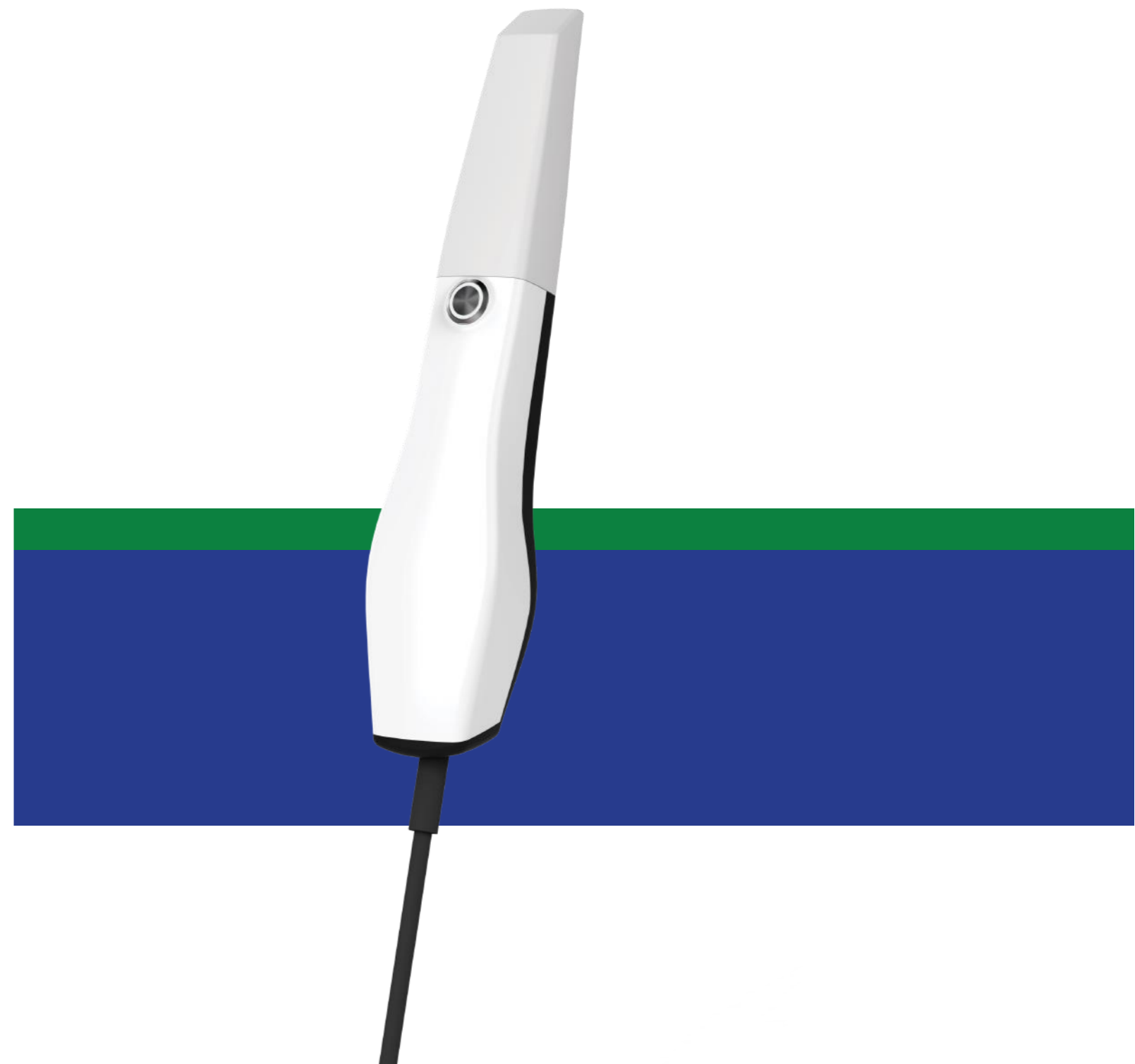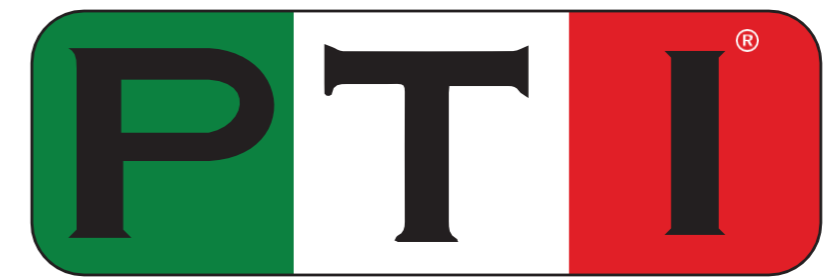
## Scanner

# Who are we?

In 2015 , a team of top engineers of optics, electronics, computers & algorithm from Chinese Academy of Sciences 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 PTI intraoral scanner. PTI was the first powder-free intraoral scanner and the final resolution was true color.

In 2019 , we launched the revolutionary PTI Scanner intraoral scanner and got CFDAapproval in the 2nd half of 2020 , as well as CE, ISO13485, INMETRO, ANVISA 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!

PTI 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 , PTI Scanner 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.
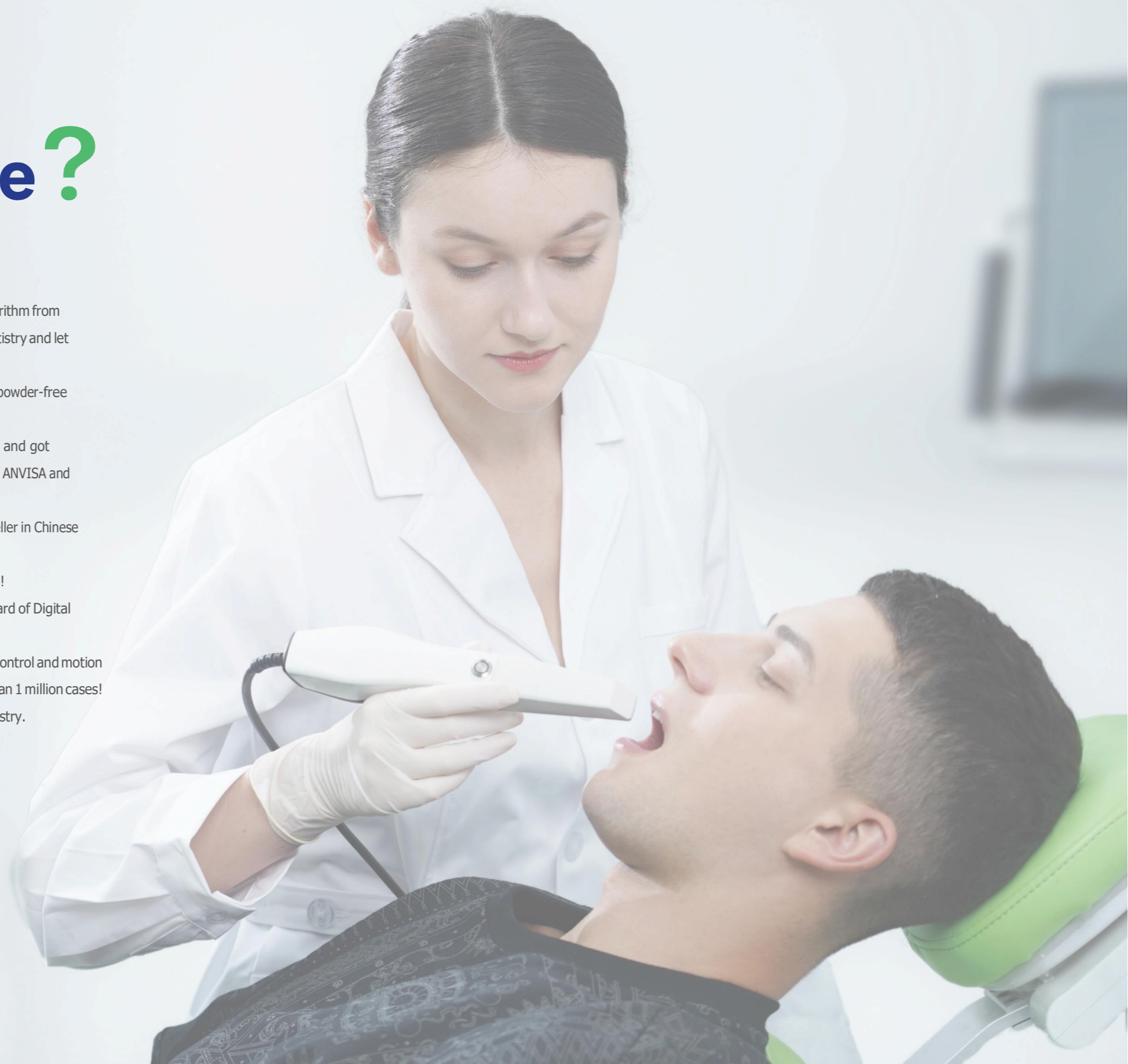
**Button Control**

The tiny button carries great responsibilities, 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.

# NEW DESIGN

# 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, high accuracy
- Fast scanning speed, easy to learn and use
- True color scan and HD display

# 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
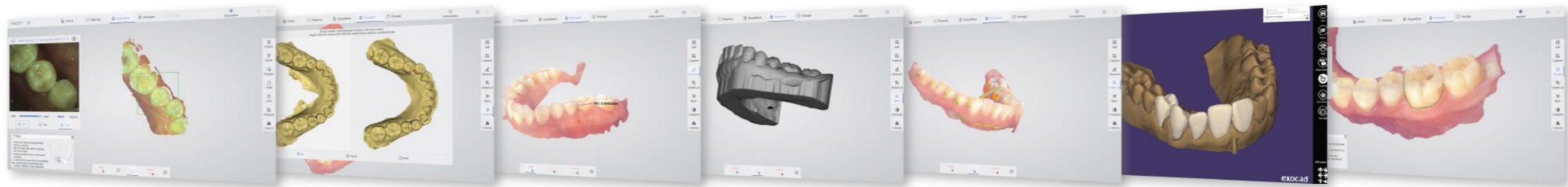Fully prepared case reports to the labs
One click link directs to EXOCAD

● **Revolutionary Improvement ***

Scanning speed improve 70%
Handpiece weight decreases 10%
Data accuracy improves 30%
Height of tips decreases 14%

*Compared to the P2
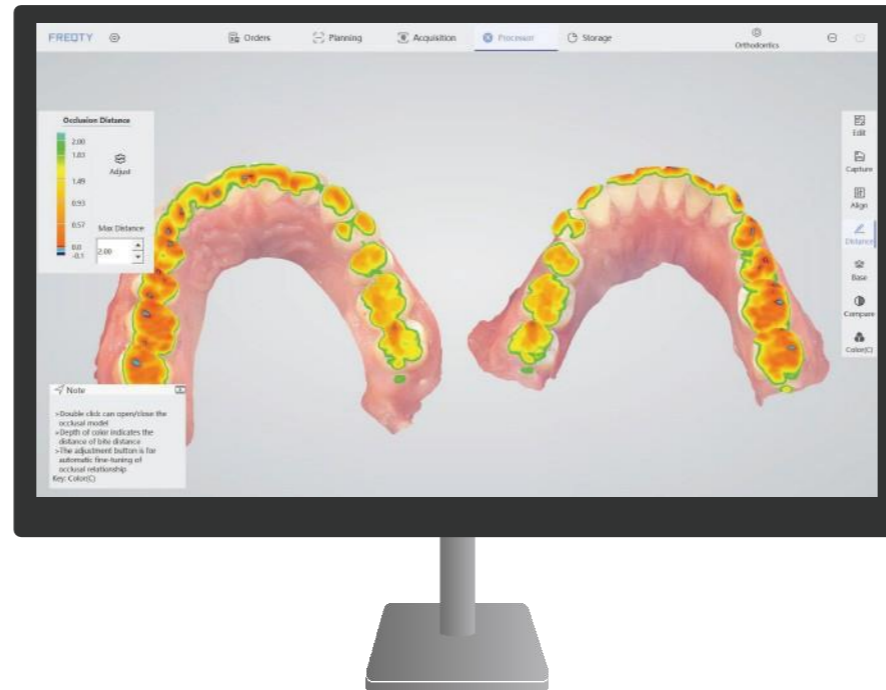
Bite Check

2D Image
Store

Case
Comparison

Teeth
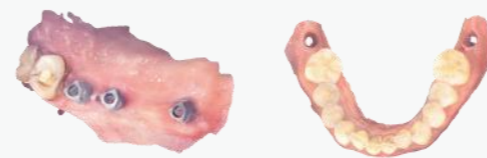Measurement

Base Adding

Undercut

Direct Export
into Exocad*

Margin Line
Drawing

# 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.
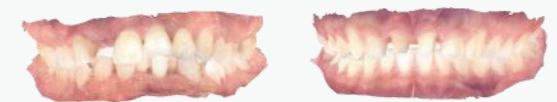


## Orthodontics

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

# Parameters

**1** min
Full Arch Scanning

**5** tips
with 3 Different Angles

**10** μm
More Precise

**228** g
Aviation Aluminum Alloy

| | |
|---|---|
| Overall Size | 216 x 40 x 36 mm |
| Tip End | 19.6 x 14.6 mm Autoclavable |
| Field of View | 18 x 16 mm |
| Depth of Field | 0~15 mm (Adjustable up to 20mm) |
| Patents | 40+ |
| Certificates | CFDA/CE/ISO13485/FDA/INMETRO/ANVISA, etc. |
| Interface | USB3.0 |
| Data Output | STL PLY PTY *encrypted data available |

# PRODUCT INFORMATION

| Category | PTI Scanner |
|---|---|
| Technology | Staring Scanning with Coded Structure Light |
| Camera Number | x 3 |
| Scan Field | 18x16mm |
| Scan Depth | 0-15 mm (Adjustable up to 20mm) |
| Accuracy | ≤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 |
| Calibrator | Automatic |
| Scanning Control | Button |
| 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 |

# SOFTWARE

| Category | PTI Scanner |
|---|---|
| Types of Scanning | Orthodontics, Implant, Restoration |
| Image Capture | 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 |
| Transfer Data with API | Available |

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# PC REQUIREMENTS

| Category | PTIScanner |
|---|---|
| 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.

# AFTERSALES

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

# CUSTOMER SUPPORT

Email: Info@ptiscanner.com

WhatsApp (Global): +970 598 600 142