VRN

Intraoral Scanner

Better Quality Better Service

Humanized Scanner Tip

We have also designed a smaller size scanning head for easy intraoral angulation, suitable for intraoral scanning of younger children. It is also equipped with an internal heating system that maintains a constant temperature in the patient's mouth during the scanning process. The fast heating speed prevents fogging of the scanning head lens.

Fashion and Light Handpiece

The overall appearance of the handpiece is with streamline design, the net weight of the handpiece is 210g, and the hand-held design makes the operation much more convenient and simpler.

Openness

All information can be directly imported into the corresponding design software. Our software supports three data formats: STL, PLY and OBJ, and the doctor can export one or more of them as needed, which is convenient for data transfer and work.

3D True Color

Colour reproduction is more realistic, convenient for dentists to communicate with patients based on 3D models. Details of the patient's caries, plaque, wedge-shaped defects, etc. can be realistically seen by the patient, improving the efficiency and convenience of doctor-patient communication.

Calibration-Free

Our scanners do not need to be calibrated regularly, a series of calibration procedures are already completed at the factory.

Multilingual System

Currently, our software supports a total of 16 languages including Polish, Spanish, Russian, etc., to meet the needs of different countries and regions.

BRAND-NEW

With powerful hardware and intelligent software, the new intraoral scanner provides a comfortable scanning experience for both doctors and patients and is the key to unlocking the full potential of the clinic.

Smaller probe, no fear of dificulties in opening and closing the mouth

Solid material, safe to sterilise up to 100 times

Heated and anti-fog, clear image

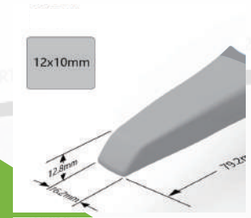
Full-port scanning in 88 seconds

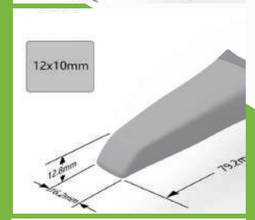
Compact and lightweight, only 210 g

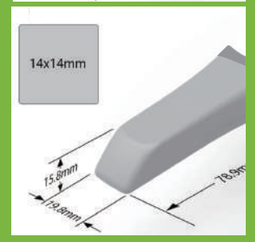
Totally enclosed design, isolated from dust and liquid, anti-fouling and healthy

DEFINE NEW CONCEPTS FOR SCANNING

Digital dentistry will unlock the full potential of practice. Imagine the changes that digital dentistry can make for you, your patients and the dental practices you work with! That’s why we never stop pushing the boundaries of scanning systems through constant product upgrades!





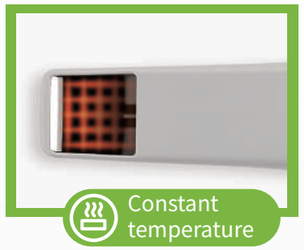


The scanner tip can be replaced by a simple plug in and out operation,and the disinfection methods of immersion disinfection, high temperature and high pressure sterilization are both available.

EFFICIENT HARDWARE

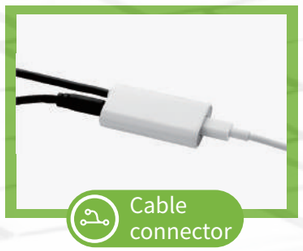
Humanised design, simple operation and clearer reflection of the patient's condition.

The lens angle of the scanning head reflector is close to 45°, which allows for a better balance between the front and rear parts of the scanning area.



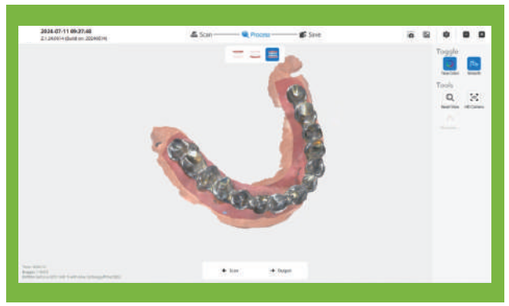
Scanning head with built-in heating system, fast heating speed with constant temperature.

The replaceable Type-C cable is designed with a screw connection to better ensure a stable connection during operation.



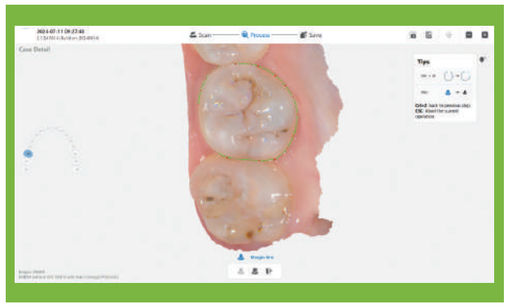
The replaceable Type-C cable is designed with a screw connection to better ensure a stable connection during operation.

FEATURES



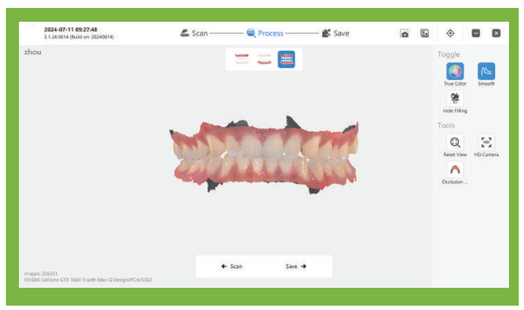
Metal Scan

Key optimizations have been made for the difficulty of noises and reflecting during metal scanning. The optimised metal scanning tool helps dentists to scan a wide range of metal materials more easily.



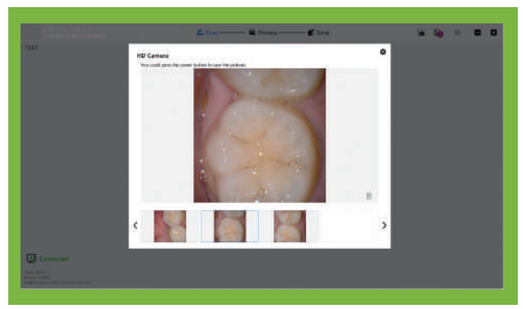
Margin Line Drawing

The Margin Line tool can help dentists to draw a margin line on the scan data and export it to a proprietary format. The marked margin line data can be imported to design software such as EXOCAD.



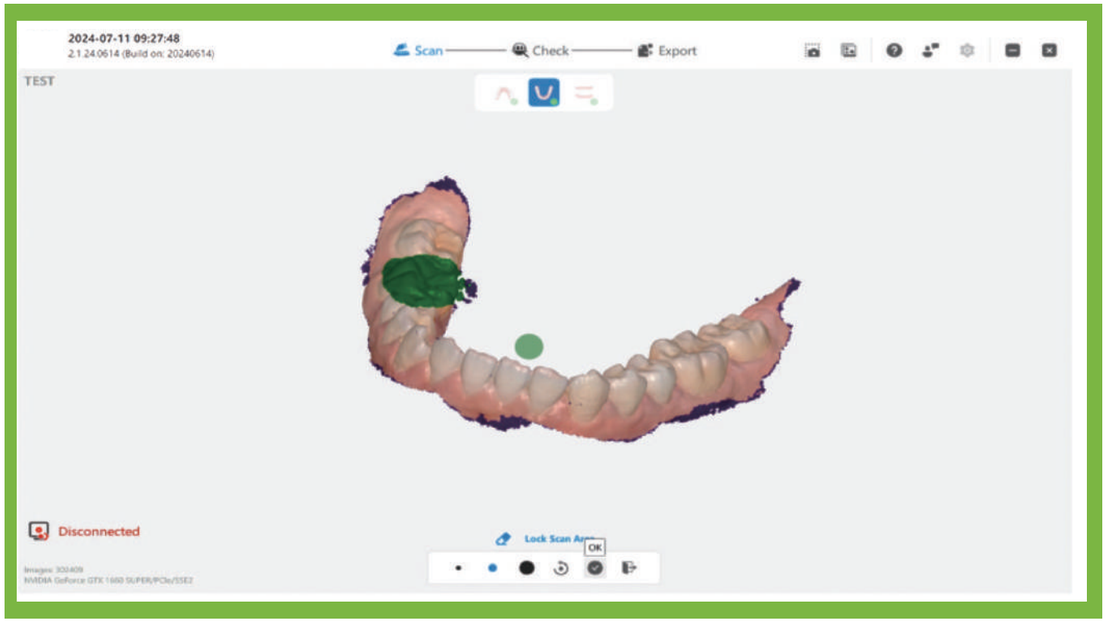
Occlusion Check

Dentists will check whether the occlusion relationship between the upper and lower jaws is accurate or not with this function.



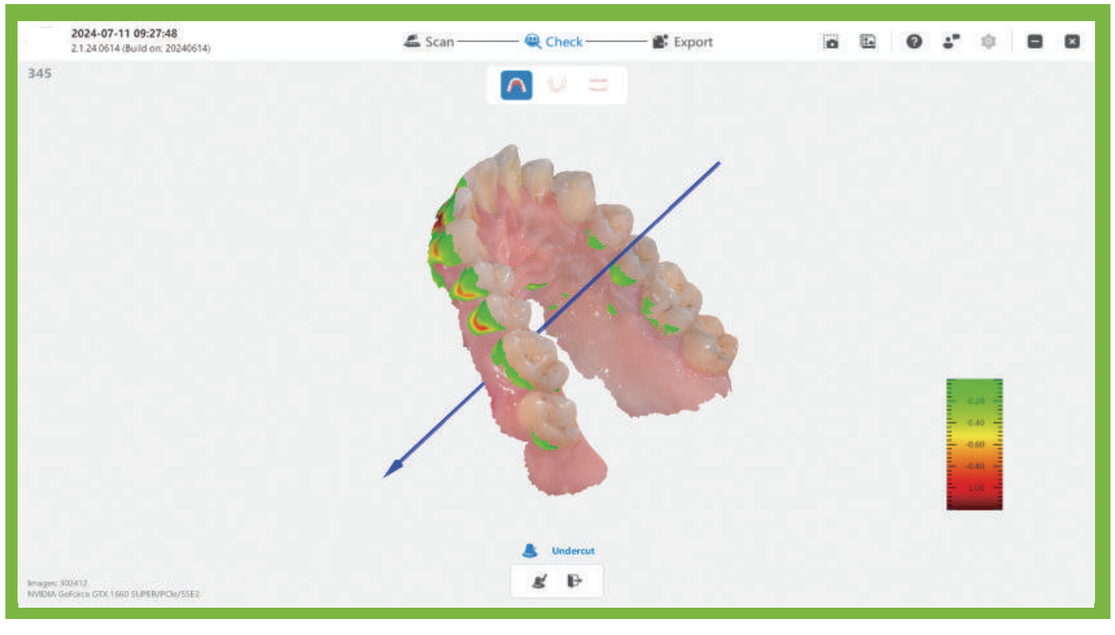
HD Camera

Dentists can use the camera to take oral pictures during scanning; high-resolution photos can be used as case attachments and saved in the reports.



Area Lock

With Lock scan area function, dentists can select certain ideal areas of the scanned data to lock, so that the data in this part of the locked area will not be changed during the rescan process.



Undercut Inspection

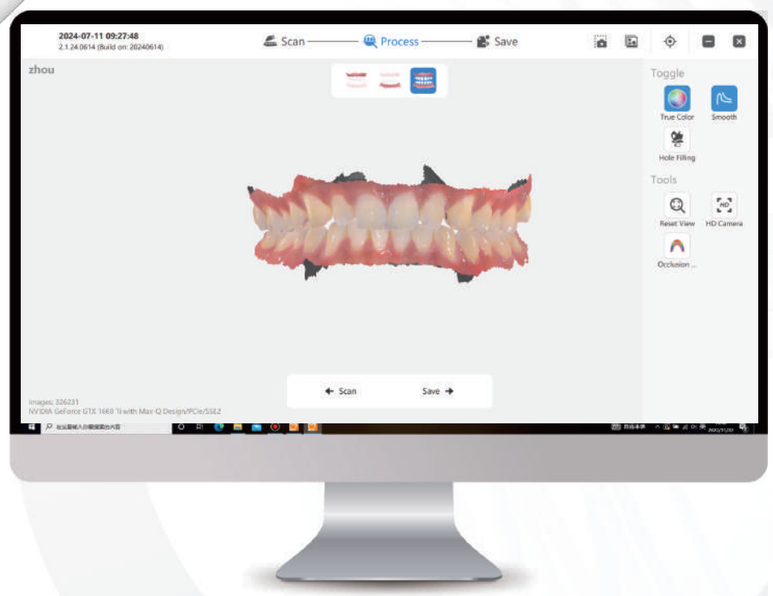
It will help dentists to check whether there is undercut in the prepared tooth area, so as to prevent the crown from being unable to be processed, or there is an excessive gap between the crown and the prepared tooth.

REMOTE CONTROL

Intelligent scanning detection algorithms and two high-speed cameras enable more efficient intraoral scanning.

Short press on the handle button to switch functions

Press and hold the handle button to confirm the selection

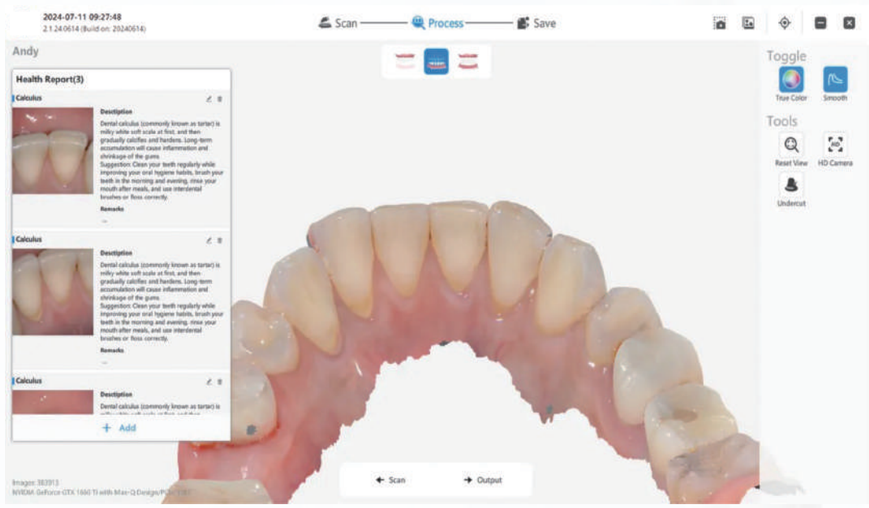


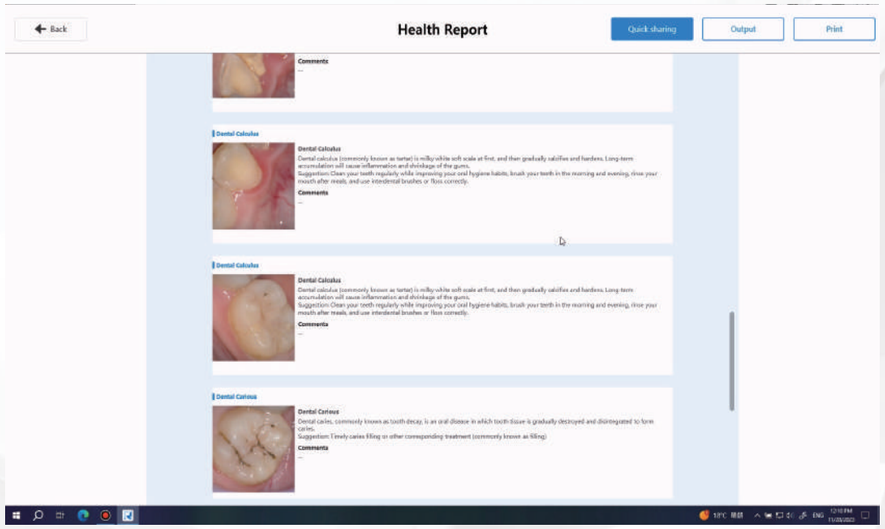
ORAL HEALTH REPORT

Generate Report Automatically

Support Printing Report

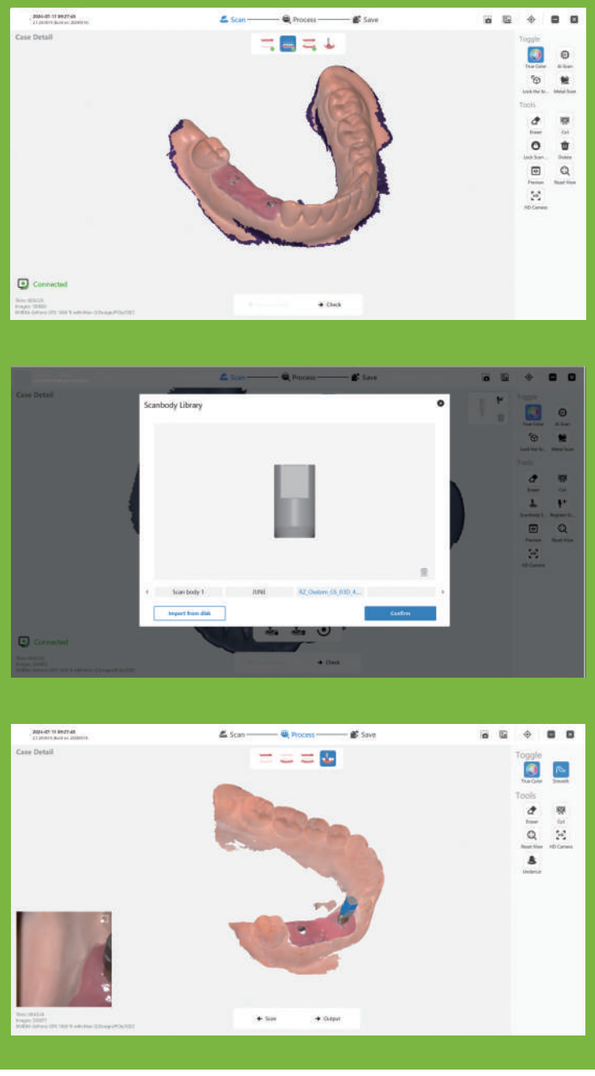
Real-Time Review





SCAN BODY MATCHING

3 steps to empower clinical implant cases



1

Scan the upper and lower jaw

2

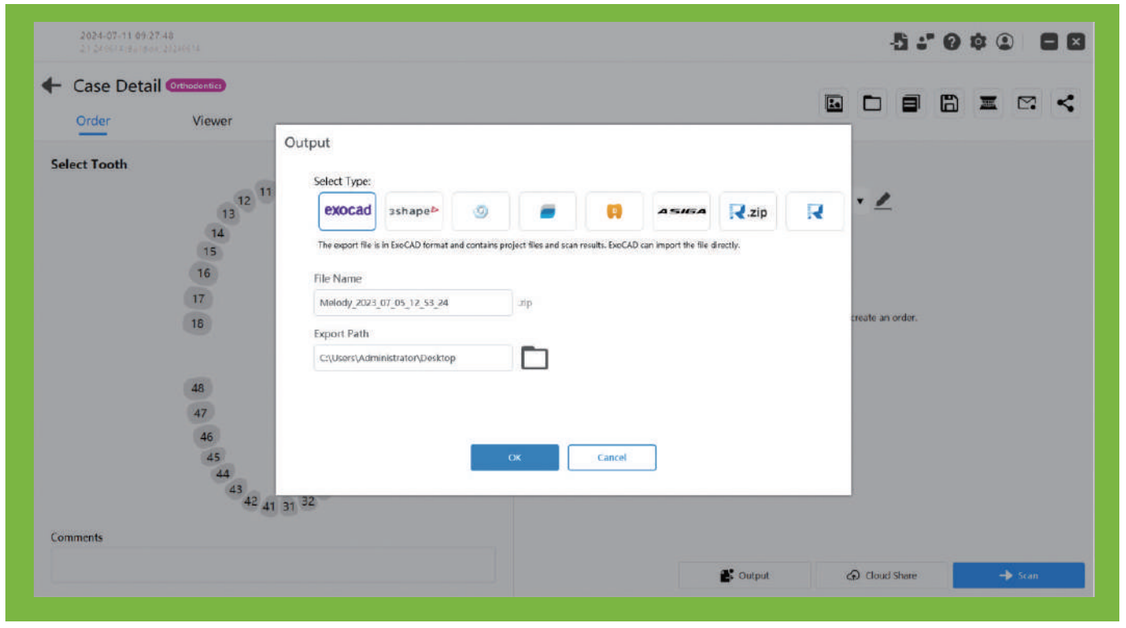
Import implant data from our database (enables to DIY registration)

3

Scanning scan body and matching

With scan body matching function, ensuring the integrity and accuracy of scan body data, and no need to scan repeatedly, saving scanning time and improving the efficiency.

COMPLETE ECOSYSTEM



dental wings A Straumann Group Brand

BlueSkyBio

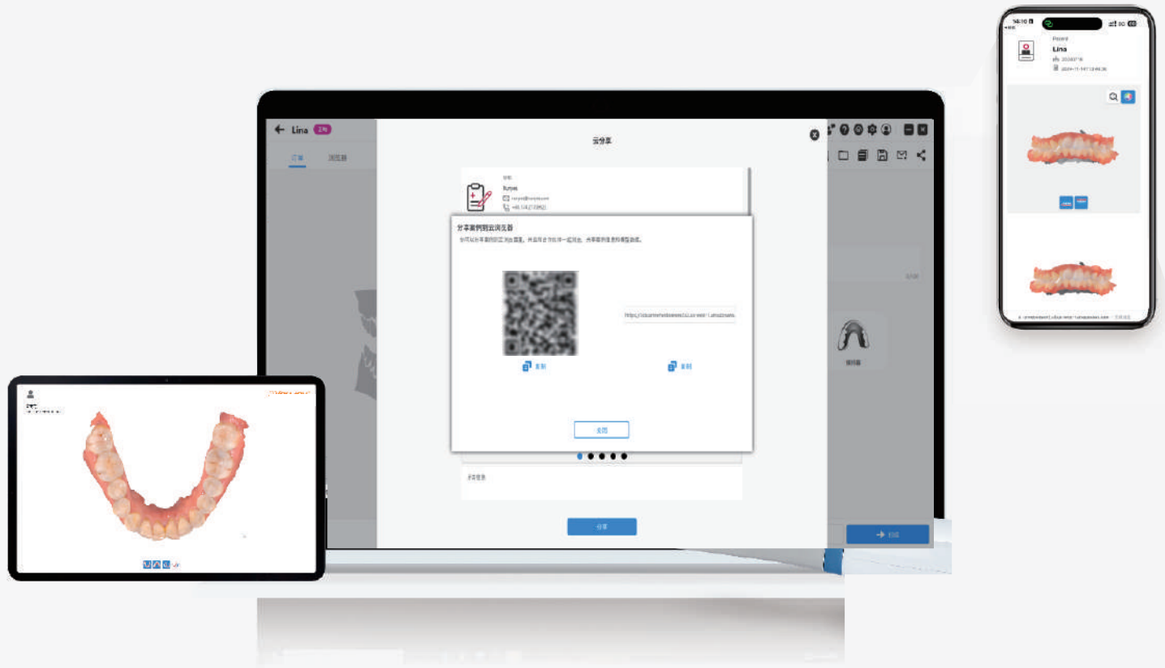
exocad

ASIGA

3shape

StayTuned.MorePartnersComingSoon!

CLOUD SHARING



Electronic Diagnostic Sheet

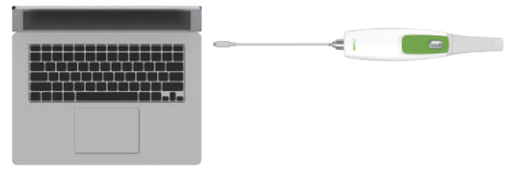
The establishment of a three-dimensional online e-diagnostic sheet allows patients to understand their intraoral problems online with the help of an online diagnostic center. It is convenient for clinics to establish a digital diagnostic process, create a digital file, and build a professional image.

Online Data Transfer Platform

Intraoral data is automatically transferred to the platform by simply sending a dimension code. There is no need for complicated export-import sending process. This ensures data security and maximises efficiency.

PLUG AND SCAN

Supports Type-C cable to connect directly to the computer, while realizing power supply and data transmission. Fewer accessories for easy maintenance and use of the equipment.



The basic configuration of the computer used with the intraoral scanner should be no less than the following (recommended*).

Microsoft Windows 10 64-bit Home Edition or above	
CPU	Basic: Intel Core i7-9700 or above (Laptop: 17-9700H or above); Recommended: Intel Core i7-11700 (Laptop: 17-11700H)
Graphics card and memory	Basic: NVIDIA GeForce 1660 GTX or above, with 6G or more memory; Recommended: NVIDIA GeForce 3060 or above graphics card, with 6G or more memory. Note: AMD graphics cards are not supported
Memory	Memory 16 G or above.
Solid state disk	256 G or 128 G + 1 T mechanical hard disk or above
Display resolution	1920 × 1080
Running system	WINDOWS 10 Home Edition/Enterprise Edition.
Interface	USB 3.0 or above
Device operating environment	
a) Ambient temperature	10 °C ~ 40 °C;
b) Relative temperature	⩽85%
c) Atmospheric pressure	86 KPa ~ 106 KPa
Storage environment:	
a) Ambient temperature	-20 °C ~ 55 °C;
b) Relative temperature	10%~93%
c) Atmospheric pressure	86 KPa ~ 106 KPa
Power requirements	
a) Power supply voltage	220 V ~ 50 Hz
b) Power consumption	25 V/A

Intraoral Scanner

Oral Digital Impressionist Technical Parameters

Scanning range	14 × 14 × 15 mm
Scanning accuracy	Single tooth: 8-12 μm, Full mouth: 28-30 μm
Scanning depth	0-18 mm
Working hours	Greater than 30000h
Frame rate of 3D reconstruction	Maximum 15 frames/s
Camera Resolution	1.3MP CMOS
Pixel size	≧4.8 μm
Maximum scanning speed	80 mm/s
Weight	210 g
Scanning Time	Upper and lower arch plus occlusion, 2 minutes
Mouth scanning light source	LED
Scanner size (without scanning head)	200 × 58 × 36 mm
Data Export Format	OBJ/STL/PLY
Scanner Cable	2.0 m
USB cable	0.7 m
Connection Method	USB 2.0/3.0
Light radiant intensity	⩽ 100 MW/cm