

SHINING 3D DENTAL

**From 3D Scan to 3D Print
One Stop Solution**



Aoralscan Elite

IntraOral Scanner
More than an IOS

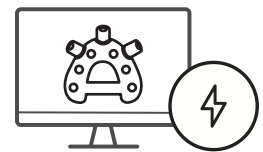
IPG Intraoral photogrammetry Technology: is the first of its kind in Digital Dentistry, where Intraoral scanning meets PhotoGrammetry in one device.

IPG + SCAN

Two-in-one
System



High
Precision



High
Efficiency



The Aoralscan Elite is the world's first device to integrate both intraoral scanning and photogrammetry into a single unit. The device functions as a standard intraoral scanner (IOS) for capturing images of dentulous cases, allowing for detailed scans of teeth and oral structures. Additionally, it serves as a photogrammetry system, which is used to accurately record the position of dental implants in edentulous cases. This dual functionality makes it versatile for both traditional dental work and advanced implant procedures. This groundbreaking innovation allows for comprehensive dental imaging and precise implant positioning, setting a new standard in dental technology.

Smooth Scanning for Edentulous Cases

IPG technology ensures a seamless scanning experience for edentulous patients. Aoralscan Elite Adopts the IPG tip, which is larger than standard, to capture every detail of the edentulous patient's oral geometry with unparalleled clarity.

124g Slim and Light

Aoralscan Elite Intraoral scanner combines a compact size and lightweight structure. The ergonomic design allows Elite to fit into a hand comfortably, enhancing usability and convenience.

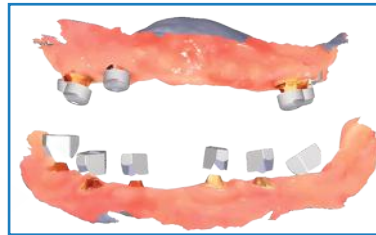
- ✦ Ultra-lightweight (124g)
- ✦ Compact dimensions (245x30x26mm)



Aoralscan Elite

2-in-1

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IPG for All-on-X



IOS for normal cases

makes it versatile for both traditional dental work and advanced implant procedures. This groundbreaking innovation allows for comprehensive dental imaging and precise implant positioning, setting a new standard in dental technology.

Smooth Scanning for Edentulous Cases

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ConsulReport: A ConsulReport is a record created by a dentist after an oral examination that includes information on the type of disease, a description, and a treatment plan.

ConsulOS: The ortho-treatment process can be simulated, and patients will be able to preview the post-treatment effect in advance.

MetronTrack: With the measurement and comparison functions, it helps improve dentist-patient communication efficiency and effectiveness by tracking patients' data.

AccuDesign: Orthodontic or restoration models can be easily designed with AI for printing.

CreSplint: A smart tool that allows users to design retainers or night guards automatically with minimum operation.

CreTemp: Temporary crowns can be designed and printed in the clinic, reducing the patient's waiting time.

CreIBT: Designs an indirect bonding tray, which can be directly 3D printed to help orthodontists attach brackets faster and more accurately.

Aoralscan Elite

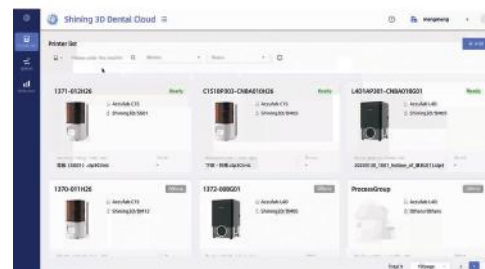
Lifetime Oral Health Management with SHINING 3D

Elevate your dental practice with Shining3D's cutting-edge solutions for lifelong oral health management. Experience the freedom and precision of the Aoralscan 3 Wireless, seamlessly integrated with the MetiSmile face scanner for comprehensive patient imaging. Enhance your diagnostics and treatment planning with the advanced MetronTrack comparison tool, all while ensuring secure, cloud-based data storage. Keep track of progress and collaborate effectively with your patients, setting a new standard in dental care with Shining3D.



SHINING 3D Dental Cloud

Standard and unlimited – seamless collaboration between dentists and technicians. SHINING 3D dental cloud allows for data transfer and communication between dental clinics and labs.



Technical Specifications

Scan Field of Single Frame	IPG scanner tip: 19mm × 14mm Standard scanner tip: 16 mm × 12 mm Mini scanner tip: 12 mm × 9 mm
Scan Depth	22 mm from exit surface of tip
Scan Principle	Non-contact scanner with structured light and Intraoral photogrammetry
Dimension (L × W × H)	245 mm x 30 mm x 26 mm
Weight	124 g (without cables)
Output	STL, OBJ, PLY
Connection Port	Type-C

Aoralscan 3 & Neo

SHINING 3D Intraoral Scanner

JUST SCAN IT

- ✦ One Button Control
- ✦ Light Weight (240g)
- ✦ Auto Anti-fogging
- ✦ Ergonomically Designed
- ✦ Optimal Hand-Held Operation
- ✦ Dynamic LED Indicator

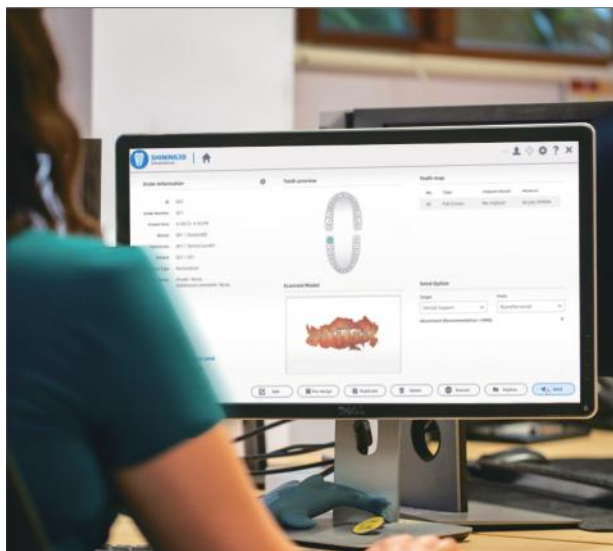


Technical Specifications

Scan Field	Standard scanner tip: 16 mm × 12 mm × 22 mm Mini scanner tip: 12 mm × 9 mm × 22 mm
Scan Principle	Non-contact scanner with structured light
Dimension (L × W × H)	281 mm × 33 mm × 46 mm
Weight	240 ± 10 g (without cables)
Output	STL, OBJ, PLY
Connector	USB 3.0
Power Input	12V DC/3 A

Key Features:

- ✦ Fast speed, intuitive communication with motion sensing
- ✦ High accuracy, powerful AI process and realistic color
- ✦ Data cloud platform
- ✦ Ortho stimulation
- ✦ Model making with coordinate adjustments
- ✦ Oral health report - more informed, more engaged



Cloud Platform:

SHINING 3D's cloud data platform enables data transmission, making it convenient for data transfer and communication between clinics and dental labs.

- ✦ Online 3D Data Preview
- ✦ Order Statistics Analysis
- ✦ Order Tracking System

Aoralscan 3 Neo

58 %

Greater Scan Field Of View.

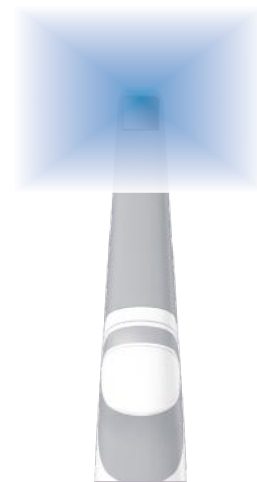
16×12 mm

FOV (Standard Tip)

Up to 22 mm

Deep Scan Depth

Aoralscan 3 Neo is suitable for various clinical scenarios including acquiring scan bodies and periodontal scans.



2 Tip Sizes

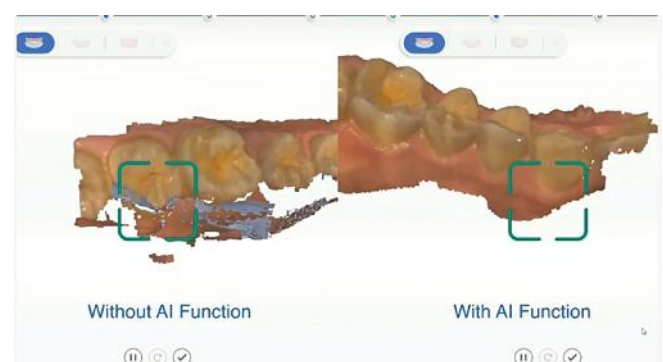
- ✦ Accommodates adults and children
- ✦ Anti-fogging

Autoclavable up to 100 times

Slimmer and 15% longer autoclavable scanner tips offer patients with more comfortable clinical experience.

AI Scan- Speed up the scan

Automatically identifies and filters out unnecessary soft tissue data during scanning resulting in a quicker and cleaner scan process.



Aoralscan 3 & Neo

Application:



Orthodontics



6-Unit Bridge



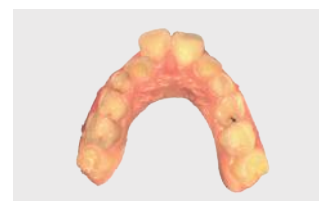
Veneer



All-on-6 Implant



Inlay-onlay

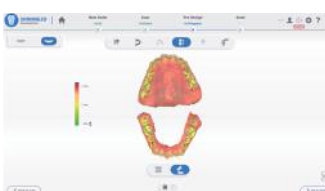


Pediatric Dental Care

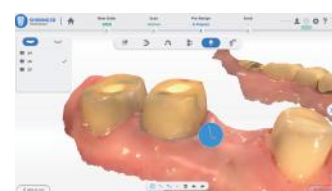
Clinical Toolkit: The clinical toolkit assists dentists to evaluate and pre-design the scanned data in their own clinic. It facilitates effective communication with dental labs to deliver quality dental work with high efficiency.



Undercut Check



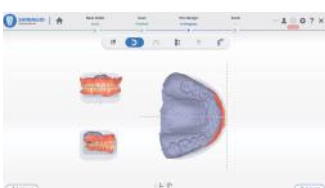
Bite Check



Margin Line
Auto Extraction



Tooth Marking



Coordinate Adjustment



Direct Export
Into Exocad

Ortho Treatment Simulator - See it, Believe it, Get it!

Before Tooth Setup



After Tooth Setup



Show your smile to your friends & family even before starting your treatment.



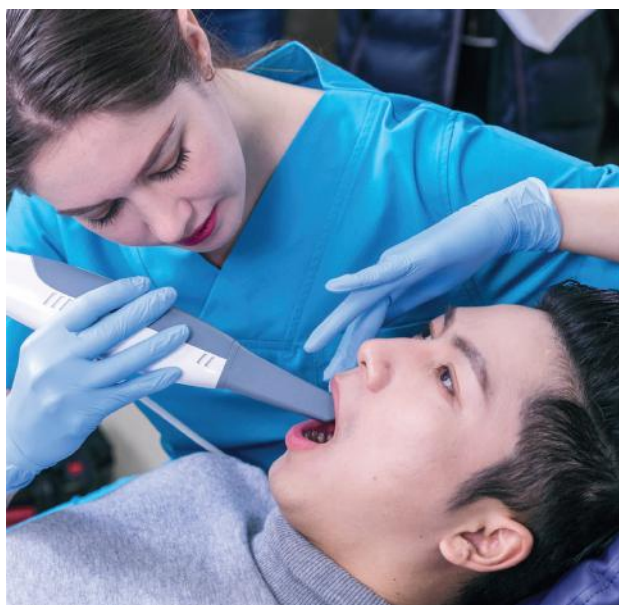
SCAN ME

Aoralscan 3 & Neo

	Aoralscan 3	Aoralscan 3 Neo	Description
Scanning Tech	Optical Image Sectioning	Optical Image Sectioning	
Accuracy	10-12 Microns	10-12 Microns	
Applications	Consul OS (Orthodontic treatment simulation)	Consul OS (Orthodontic treatment simulation)	Allows for simulation of orthodontic treatments
	AI Patient report	NA	Generates AI based consultation report, sharable by print or QR
	Cre-Temp	NA	Lets user design and print Dental crowns and Bridges
	Splint	NA	Allows user to fabricate splints
	Cre IBT	NA	Allows user to fabricate IBT's
	Metron Track	NA	Tooth movement tracking for aligner cases
Clinical Applications	Edentulous Scanning	Clearance Check	Allows for scanning Edentulous scans with AI turned on
	Clearance Check	Margin Line Detection	Lets user check clearance
	Margin Line Detection	Undercut Detection	Lets user detect undercuts in preparation
Scan Speed	40 Seconds / Arch	40 Seconds / Arch	
Scan Depth	20 mm	20 mm	
Tips	5 (1 Pediatric + 4 Adult)	5 (1 Pediatric + 4 Adult)	
Weight	240 gm	240 gm	
Software Updates	Available	Available	
Current Software Version	V3.4.1.x	V3.4.1.x	

Aoralscan 2

Aoralscan simplifies the intraoral scanning experience. The ease of operation provides patients comfort while delivering reliable scan results. Aoralscan enables dentists and technicians alike to easily obtain digital impressions.



Powderless: No need for powder, guaranteeing a simplified scanning process & improving a patients' clinical experience.

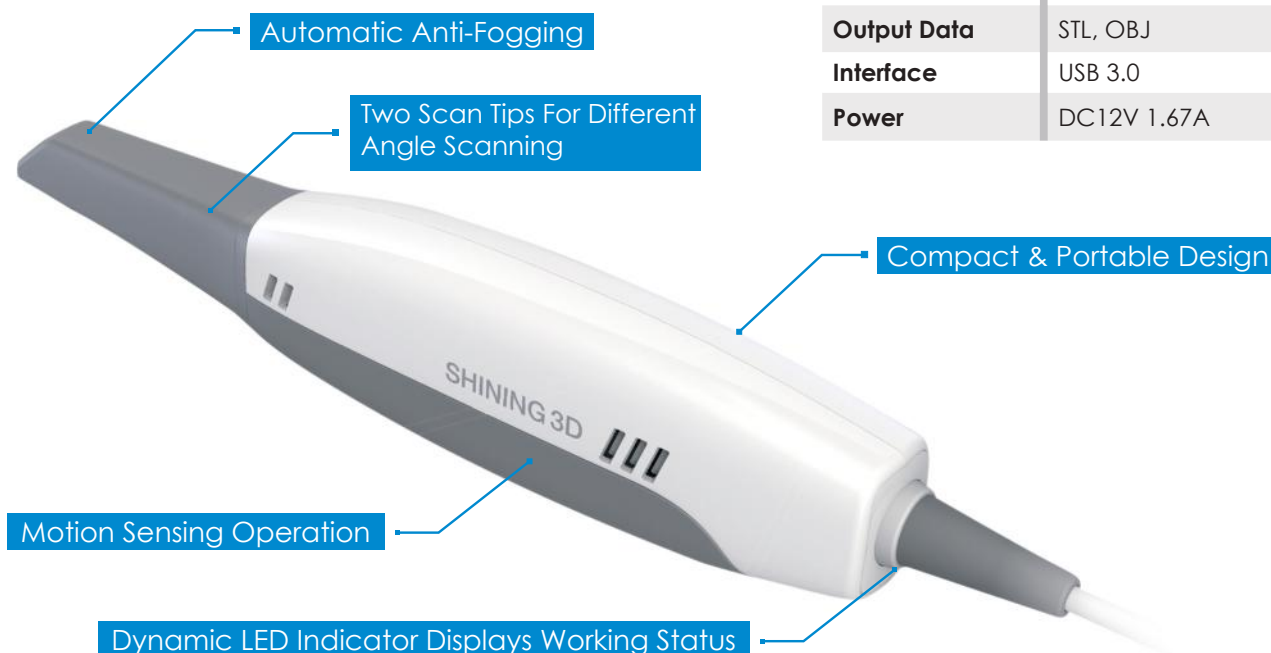
Realistic Color: Real-time scan, realistic color, and a clear margin line.

Easy Operation: Get started with ease through a user-friendly interface. Allows sterile scanning by a single technician or dentist using the motion sensing function.

Intelligent Scan: Self-developed scanning software integrates rich data processing functions to obtain high-quality digital impressions.

Adopting the technology of structured light, Aoralscan can obtain full-color 3D data of teeth and gums directly.

Technical Specifications	
Scanning Speed	15 fps (video-based)
Temperature	10°C - 40°C (Accuracy can be influenced by too high or too low temperature)
Output Data	STL, OBJ
Interface	USB 3.0
Power	DC12V 1.67A



Aoralscan 2

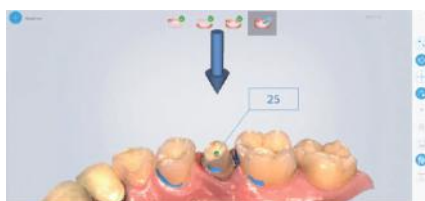


Motion Sensing: Users can operate the Aoralscan software and complete the scanning process without touching the PC by moving the scanner to give commands. This increases ease of use and promotes infection control in a clinical setting.

Data Cloud Platform: SHINING 3D's cloud data platform enables data transmission, making it convenient for order tracking and facilitating communication between clinics and dental labs.

Clinical Toolkit: The clinical toolkit can help users to evaluate the scanned data at clinics. This includes functions as "adjust coordinate", "extract margin line", "check bite", "mark teeth", "check undercut", etc. This facilitates effective communication between clinics and dental labs while saving time, ensuring high efficiency and quality for design and restoration projects.

Check Undercut



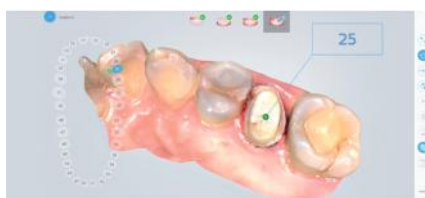
Check Bite



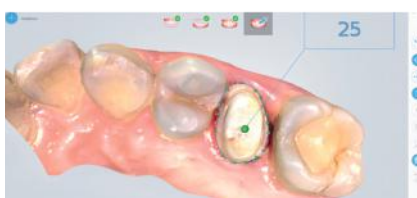
Adjust Coordinate



Mark Teeth



Extract Margin Line



Import To Exocad



Universal Application: The Aoralscan intraoral scanner can be applied for indications of implant, restoration, and orthodontics. Whether in instant chairside treatments or "clinic+dental lab" integration, the Aoralscan always provides a smooth user experience.



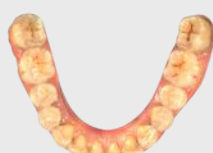
Single Crowns



Inlays/Onlays



Veneers



Orthodontics



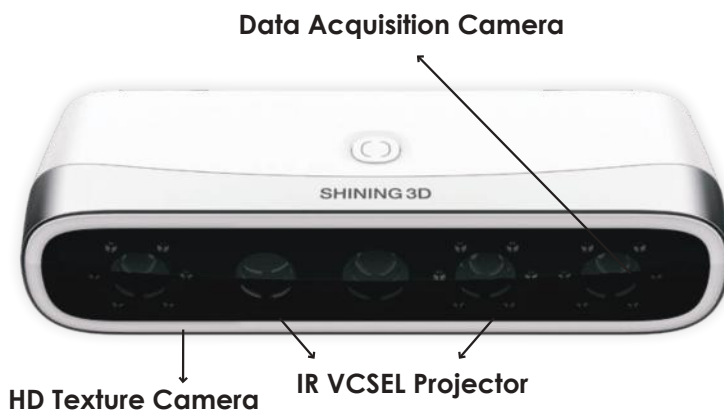
3-Unit Bridges



Implants

MetiSmile - Dental 3D Face Scanner

Beyond Smile



Fast Scan Speed

In just 10 seconds this highly perceptive scanner can take photos of patients from multiple angles to simultaneously construct a 3D facial data.

High Accuracy

Three 1.3 MP data acquisition cameras and one 5.0 MP HD texture camera produce scan accuracy within 50µm. MetiSmile also captures elevated details of the teeth.

High-fidelity Texture

The exceptional texture camera of the MetiSmile can accurately record and display facial color that appears realistic to the patient.

ADVANCED SOFTWARE:

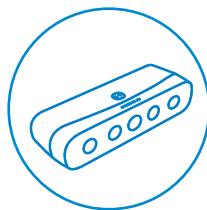
Auto Alignment Between Facial Scan Data and Intraoral Scan Data

The software will align the facial and intraoral scans which displays the patients' facial and oral information in a comprehensive way. The scans are overlapped to provide a better view and perspective for digital smile design that assists in creating more aesthetic restorations for patients.



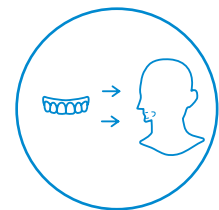
Step 1

Use Intraoral Scanner to add Intraoral data



Step 2

Use MetiSmile to Capture the Facial Data



Step 3

Import Intraoral Data to MetiSmile Software for Auto Alignment

MetiSmile - Dental 3D Face Scanner

Ortho Simulation



Facial Feature Measurement and Comparison



Mandibular Trajectory Tracking



Application

The powerful and advanced software of the MetiSmile makes this product an indispensable tool for digital dental treatment, including maxillofacial surgery, implant and prosthesis, orthodontics, medical cosmetology, etc. It will take your clinic to the next level.

- ✦ **Maxillofacial Surgery**
- ✦ **Implant And Prosthesis**
- ✦ **Orthodontics**
- ✦ **Medical Cosmetology**
- ✦ **Aesthetics Restoration**

Good User Experience

- ✦ Handheld mode & Fixed mode
- ✦ Eye-friendly flashless scan thanks to infrared technology
- ✦ Automatic brightness adjustment ensures outstanding face texture
- ✦ Guided operation throughout the scan workflow
- ✦ Open system to export STL, OBJ and PLY
- ✦ Elegant and compact, only 800 grams



Technical Specifications

Resolution	Data Acquisition Camera: 1.3 Mega Pixel HD Texture Camera: 5.0 Mega Pixel
Accuracy	50μm
Field of View	With working distance 500mm, the FOV is 210 mm X 270 mm
Output Format	PLY, OBJ, STL
White LED color temperature	5500K
Dimension	215*50*75mm
Weight	800g
Power Supply	Input: AC100-220V~, 50/60HZ, 1.5A
Output	DC12V, 7.0V

e-Motion Workstation

Smile in Motion

- ✦ Intraoral Scanner
- ✦ Intraoral Photogrammetry (IPG)
- ✦ Face Scanner
- ✦ Mandibular Movement Tracking System



Application

The E-Motion Workstation by Shining 3D is the world's first all-in-one digital dental solution that integrates intraoral scanning, facial scanning, and mandibular movement tracking into a single device. Designed to simplify and elevate digital workflows, it creates a fully functional virtual patient, enabling clinicians to perform advanced diagnostics, treatment planning, and prosthetic fabrication with remarkable accuracy. Whether you're working with complex edentulous implant cases or routine diagnostics, the E-Motion solution transforms how modern dentistry is practiced.

Key Highlights

All-in-One Solution – Combines intraoral, face, and jaw movement data capture into one seamless system.

Dynamic Virtual Patient – Synchronizes facial, intraoral, and CBCT data for complete patient modeling.

Mandibular Movement Tracking – Accurately captures jaw trajectories for optimal occlusion and implant placement.

Exocad Integration – Seamlessly exports data to dental lab software for treatment design and planning.

Edentulous Case Optimization – Includes precise IPG-based jaw relation capture, crucial for full arch restorations.

Improved Patient Outcomes – Enhances comfort, accuracy, and longevity of prosthetics through precision-guided workflows.

Efficient Clinical Workflow – From data acquisition to fabrication, streamline every step of the process.

CBCT Compatibility – Aligns CBCT and scanning data in a single coordinate system for accurate diagnosis and planning.

Optimal Jaw Relation Determination + IPG

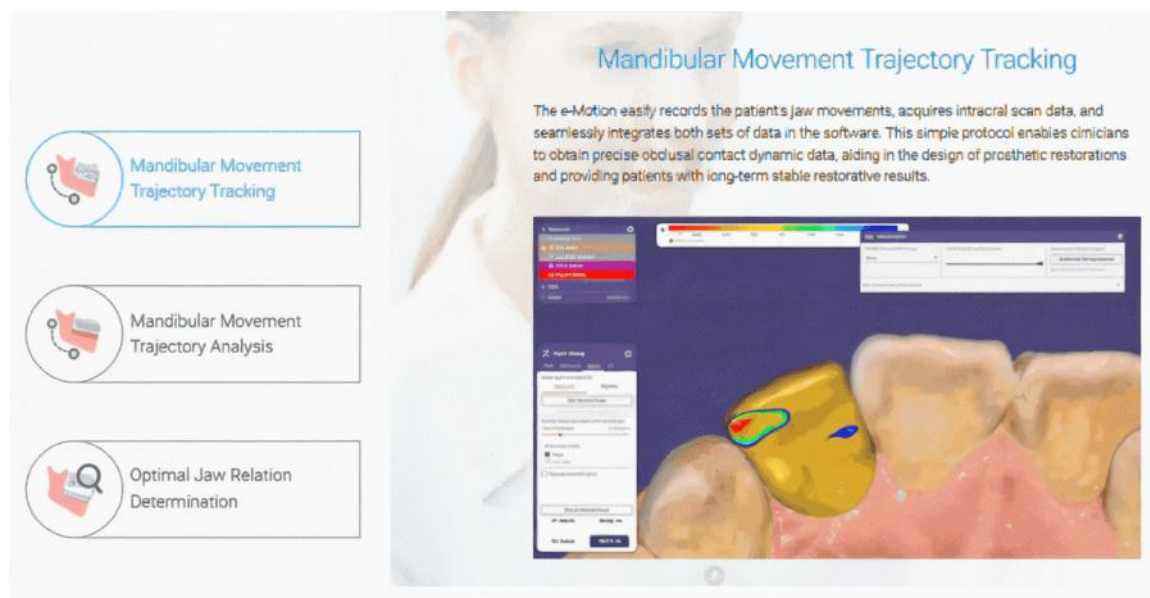
A Precise Workflow for Edentulous Implant Cases



e-Motion Workstation

Technical Specification	
Component	Specification
CPU	Intel® Core™ i7-12700
RAM	32GB DDR4, 4800MHz
Graphics Card	NVIDIA RTX A2000, 12GB GDDR6
Operating System	Windows 10 Professional
Display Resolution	23.8" Full HD (1920 x 1080)
Dimensions (H × W × D)	320.98mm × 538.80mm × 54.10mm (without stand)

A powerful Software Platform Integrates Data for Comprehensive Treatment Diagnostic Analysis



SHINING 3D DENTAL

AccuFab-L4K High-Precision Resin 3D Printer

A high-precision resin 3D printer that improves prototyping efficiency and shortens the new product development lifecycle.



HIGH
PRECISION



HIGH
RESOLUTION



HIGH
FIDELITY



MULTIPLE
ENGINEERING
MATERIALS



IT7
Accuracy



IT8
Accuracy



IT9
Accuracy



Technical Parameters: AccuFab-L4K 3D Printer

Optical Spec	Resolution: 3840×2400
	Pixel Size: 0.05 mm
	Wavelength: 405 nm
	Light Intensity: 3 mw/cm ²
	Light Source: UV LED + LCD
Print Spec	Print Size: 192 mm×120 mm×180 mm
	Print Speed: 10~ 50 mm/h
	Tolerance: ±0.05 mm
	Layer Thickness: 0.025 / 0.05 / 0.075 / 0.1 mm
Environment Spec	Working Temperature: 20°C ~ 30°
	Working Humidity: 30% ~ 70%

Others	Connection: Wi-Fi/Ethernet/Thumbdrive
	Weight: 19 kg
	Printer Dimensions: 360 mm×360 mm×530 mm
Available Materials	SHINING 3D Engineering Material:
	White Material: TR01 S1; Yellow Material: Dm12; Transparent Material: SG01; Black Material: S2;
	Washable Material: W1
	BASF Engineering Material:
	Durable Material: ST45; ST80;
	Rigid Material: RG35; RG50;
	Flexible Material: Fl60; EI150
	Third Party Certified Resin:
	Third party resin materials approved by SHINING 3D, also can be used in AccuFab-L4K High-Precision Resin 3D Printer

AutoScan-DS-EX Pro (H)

Embrace The 5.0 MP Era

AutoScan-DS-EX Pro(H), developed and manufactured by SHINING 3D, is a 3D dental scanner with powerful functions for multiple applications covering scans of impressions, plaster models, articulators, implant abutments, etc. Its high-resolution cameras, advanced algorithms, and user-friendly interface bring you with superior data quality with optimal experience.



Advanced Desktop Scanner



Ultra-high Accuracy: Scan accuracy $\leq 8 \mu\text{m}$ assures reliable scan result, satisfying the requirement of various applications in dental industry completely. Its high-resolution cameras, advanced algorithms, and user-friendly interface bring you with superior data quality with optimal experience.

5.0 MP

Unparalleled Details:

Equipped with dual 5.0 MP high resolution cameras, AutoScan-DS-EX Pro(H) can capture every detail of the components meticulously.



Fast Speed:

Bite scan: 7s
Upper/Lower jaw scan: 14s
1~4 dies scan: 18s
5~8 dies scan: 30s
Impression scan: 66s

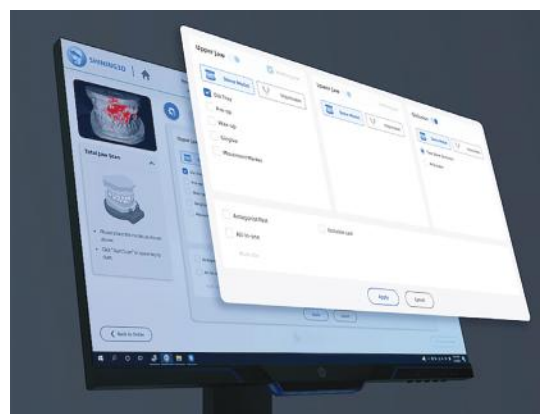
AutoScan-DS-EX Pro (H)

Powerful Software

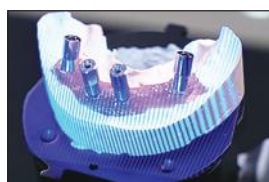
Flexible Workflow: Set up your own workflow as you prefer, increasing work efficiency like never before, all-in-one and triple tray are available to get complete scan data with less steps.

Backstage Data Processing: Scan and backstage data processing can be carried out simultaneously, making the whole process more efficient.

Versatile Scan Modes: The new software associated with AutoScan-DS-EX Pro(H) can support versatile scan modes, including Multi Path Scan, High Quality Scan, AI Scan, Texture Scan, HDR Mode Scan, Reduce High Brightness Scan, etc.



Implant Abutment



Implant Bridge



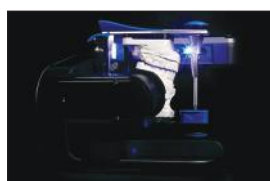
Scanbody



Texture



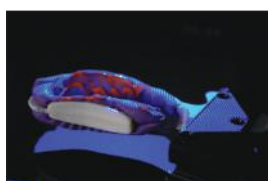
Model



Articulator



Full Denture



Impression



Post and Core

AutoScan-DS-EX Pro (H) Specifications

Camera Resolution	2*5.0 MP
Accuracy	≤ 8 μm
Scan Time	Bite scan: 7s; Upper/Lower jaw scan: 14s; 1~4 dies scan: 18s; 5~8 dies scan: 30s; Impression scan: 66s
Articulator Scan	Support articulator transfer
Output Format	STL, PLY, OBJ
Light Source	Blue Light
Dimension	385*260*270 mm
Weight	5.0 Kg
Interface	USB 3.0
Power Supply	DC 24V

AutoScan-DS-EX Pro (C)



New Upgrades, More Distinguished

AutoScan-DS-EX Pro (C) Specifications

Camera Resolution	1.3 MP
Scan Time	8 s for bite scan; 12 s for upper / lower jaw scan; 13 s for 1-4 dies scan; 21 s for 5-8 dies scan; 58 s for impression scan
Output Format	STL / OBJ / PLY
Light Source	Blue light
Dimensions	260x270x420 mm
Weight	5 kg
Interface	USB 3.0
Power Supply	Dc24 V

AutoScan-DS-EX Pro (C)

ALL-IN-ONE SCAN

This new all-in-one scan method allows scan of quadrant models and dies at the same time, which largely simplifies the scan process and improve the scan efficiency by almost 50%

Conventional 4 Steps



1 Bite



2. Upper



3. Lower



4. Die

All-in-one 2 Steps



1 Bite



2. All-in-one

EVEN FASTER SCAN SPEED

With increased scan speed, a single jaw scan can be finished in 12 seconds. The entire process of a separate-die order can be completed within 2 minutes and a non-separated-die order within 2.5 minutes.



Bite
8s



1-8 Dies
13-21s



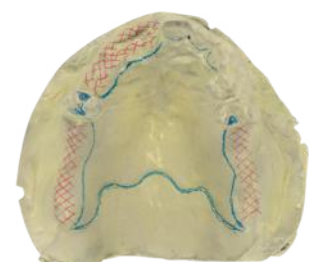
Single Jaw
12s



Impression
58s

TEXTURE SCAN

Clearly captures the textures and marks on the plaster model, assisting technicians to finish the digital partial framework design.





WHERE **TRUST** COMES FIRST



**Warranty Ke Saath Bhi
Warranty Ke Baad Bhi**

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SCAN TO VISIT OUR WEBSITE



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    /unicorndenmart.com

* Accessories shown may not be a part of standard equipment. Specifications are subject to change without notice.

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