

SHINING 3D DENTAL

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

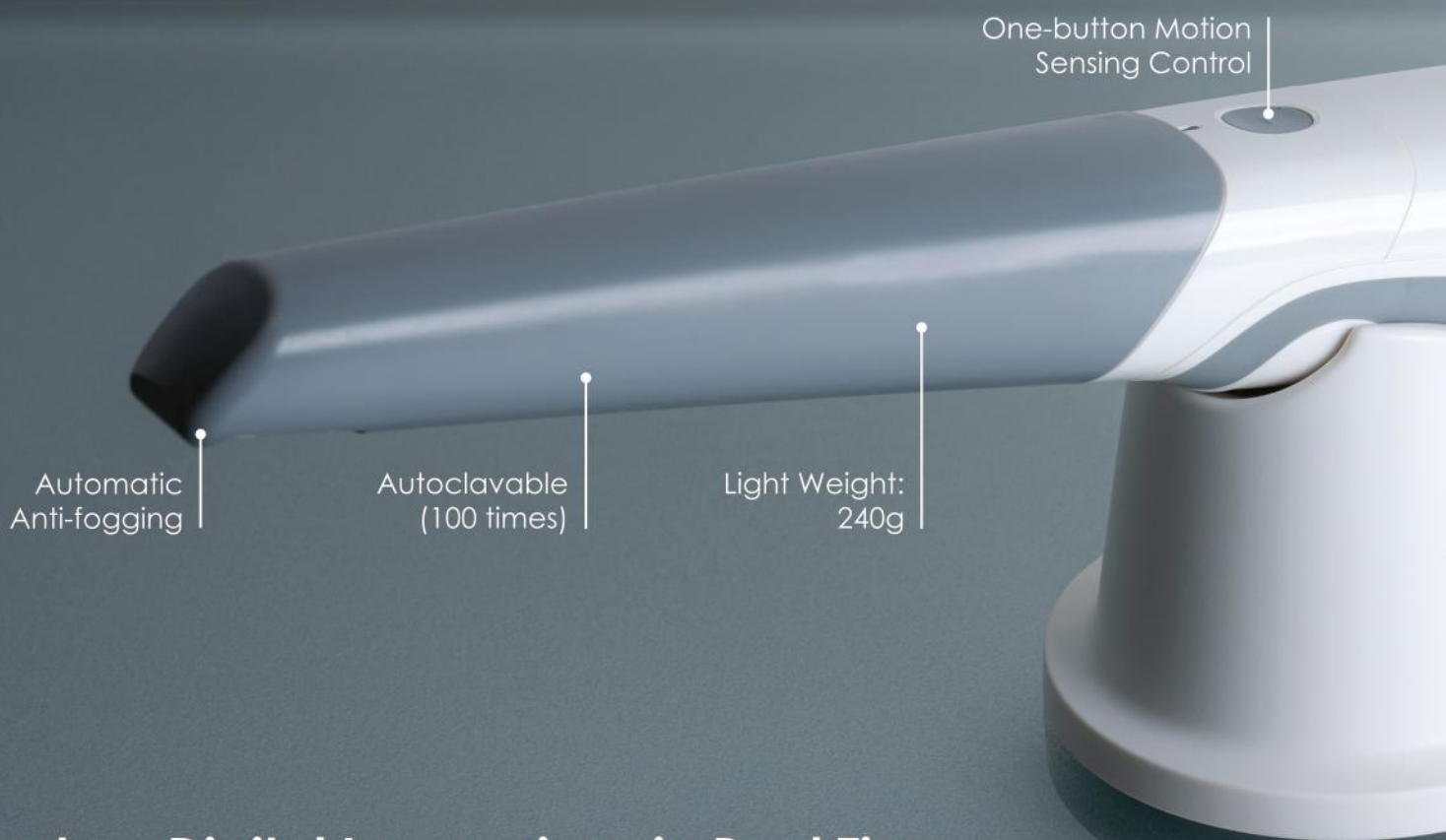


Meet Aoralscan 3

Empowering a Highly Efficient Digital Chairside Solution

SHINING 3D's brand new intraoral scanner, Aoralscan 3! Exceptional, smart and elegant, Aoralscan 3 improves the overall clinical experience. It allows users to easily acquire vivid digital impressions in a faster and more accurate way.

Moreover, Aoralscan 3 comes with a wide range of different intelligent functions, guaranteeing more comfortable chairside experience and efficient clinic-lab collaboration.



Capture Digital Impressions in Real Time

Fast, Accurate and Exceptional Scan Performance for Chairside Experience

The constant optimization and innovation of SHINING 3D's hardware and software system, led to the release of its latest and finest intraoral scanner, Aoralscan 3.

Single Arch
25_s

Faster Scan

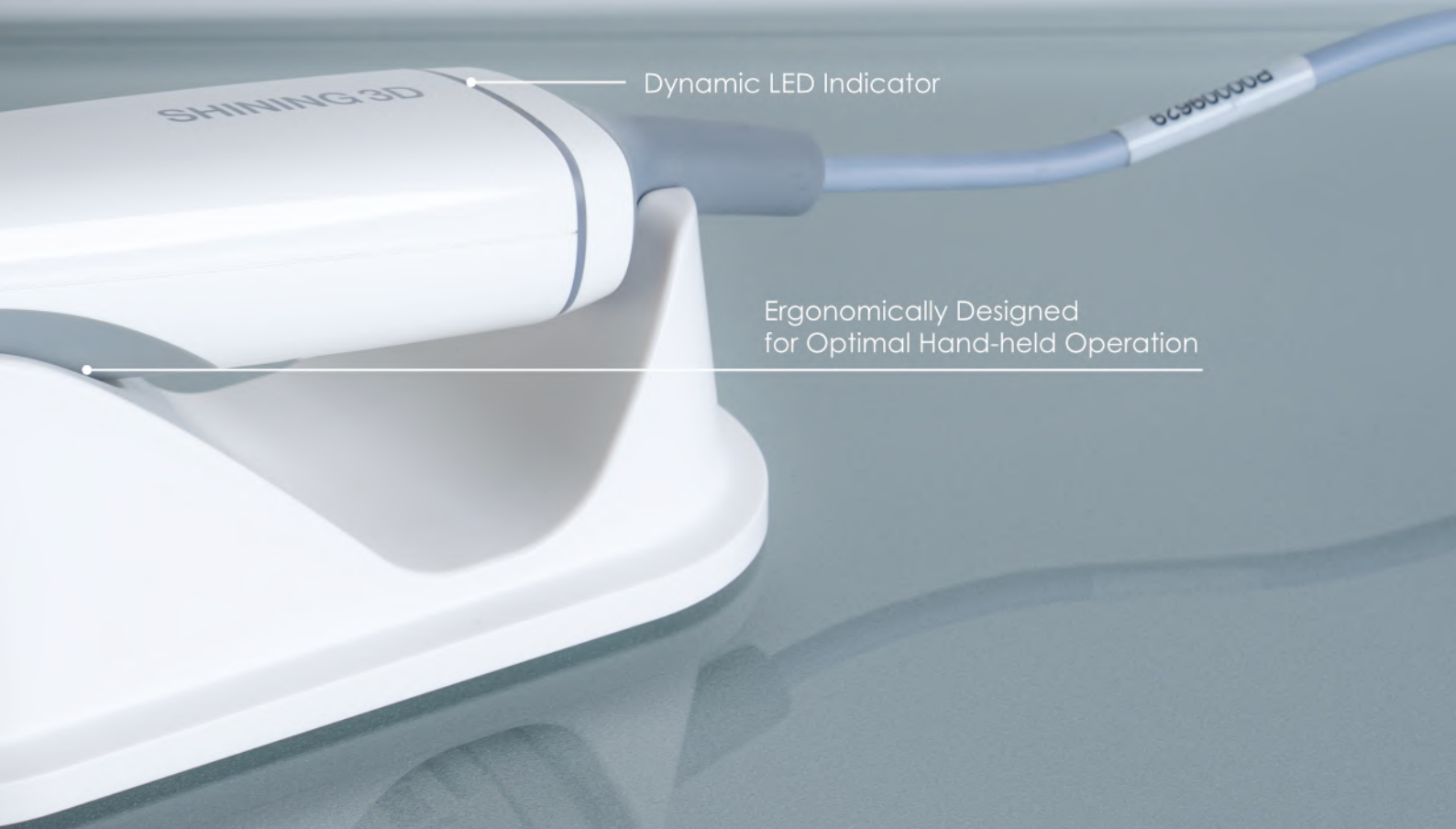
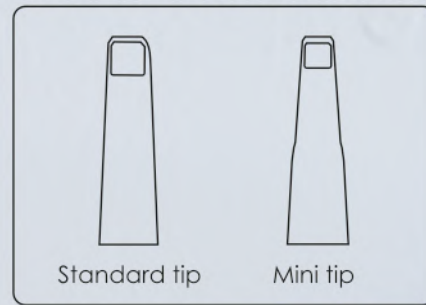
The scan speed is 30% faster than the last generation due to Aoralscan 3's drastically upgraded scanning technology.

30%↑

More Accurate Scan

Thanks to optimized algorithms and imaging mechanism, Aoralscan 3 carries out more accurate and precise results by 30%, meeting the clinical needs of different applications.

Two tip sizes accommodate adults & children



Dynamic LED Indicator

Ergonomically Designed
for Optimal Hand-held Operation

15%

Longer Scan Tip

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

up to
22_{mm}

Greater Scan Depth

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

User-Friendly

Smart and Intuitive - Smooth Scanning Experience for Dentists

With powerful and intelligent data processing capabilities, Aoralscan 3 is easy to maneuver. Even beginners can get ideal scan results in minutes.



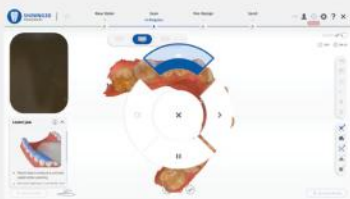
New UI

Neater and more user-friendly interface More flexible workflow



AI Scan

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

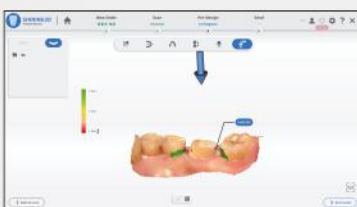


Motion Sensing

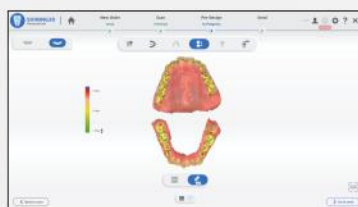
Dentists can scan with minimal contact with the computer, ensuring a safe and efficient scan experience.

Clinical Toolkit

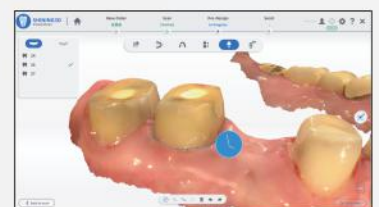
The clinical toolkit assists dentists to evaluate and pre-design the scanned data in their own clinic. It facilitates effective communication with dental labs to deliver quality dental work with high efficiency.



Undercut Check



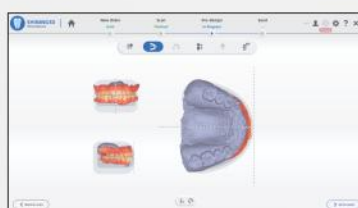
Bite Check



Margin Line Auto Extraction



Tooth Marking



Coordinate Adjustment



Direct Export Into Exocad

Intuitive Dentist-Patient Communication

Clear and Engaged – Satisfactory Experience for Patients

Aoralscan 3, capable of more than just digital impression acquisition, is integrated with powerful 3D visualization tools to help dentists engage patients with their treatment plan and improve overall satisfaction.



Oral Health Report

Health report includes information such as existing dental caries, missing teeth, dental calculus, pigment, etc. Patients have a better understanding of their oral health.



Ortho Simulation

Patients can preview images of their straightened-up results in real time.



Scan-to-print Process

Dental models can be edited and printed chairside enabling the direct visualization of the treatment plan and shortening the restoration fabrication cycle.

Extensive Range of Applications

Restoration, Implant, Orthodontics – SHINING 3D Dental 3D Scanning Solutions



Orthodontics



6-Unit Bridge



Veneer



All-on-6 Implant



Inlay-onlay



Pediatric Dental Care

Efficient Dentist-Technician Collaboration

Standard and Unlimited - Seamless Collaboration for Dentists and Technicians

Aoralscan 3 helps streamline the collaboration between clinics and labs to achieve efficient and effective restorative works.



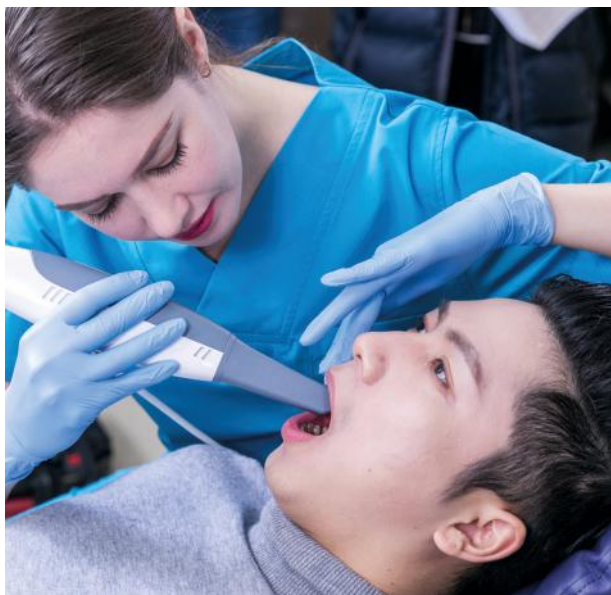
Technical Specifications Aoralscan 3

Scan Field	Standard scanner tip: 16 mm × 12 mm × 22 mm Mini scanner tip: 12 mm × 9 mm × 22 mm
Scan Depth	-2-20 mm from exit surface of tip
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

AORALSCAN 2

INTRAORAL SCANNING EXPERT

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. Allow 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



INTELLIGENT

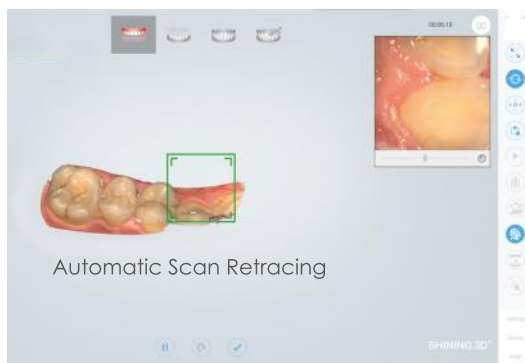
INTRAORAL SCANNING EXPERIENCE



SHINING 3D's self-developed 3D scanning system, integrating rich data processing function and intelligent data optimization, guarantees the users easy access to high-quality digital impressions.

Intelligent Data Optimization

Through the use of AI, the software can automatically identify and delete miscellaneous data such as the buccal/lingual side to realize automated data optimization.



Automatic Scan Retracing

When some part of the scan is missing during scanning, this retracing function allows users to jump back to missing area for rescan; aligning the data smoothly.

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



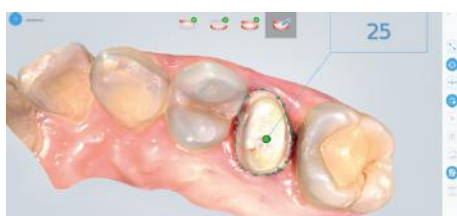
Adjust Coordinate



Mark Teeth



Extract Margin Line



Import To Exocad



UNIVERSAL APPLICATION

INTRAORAL SCANNING EXPERIENCE

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.



Indications

Meet requirements for a variety of indications, including single crowns, inlays/onlays, bridges, veneers, orthodontics & implants.

Data Cloud Platform

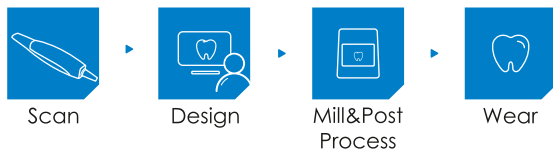
SHINING 3D's cloud data platform enables data transmission, making it convenient for order tracking and facilitating communication between clinics and dental labs.

FLEXIBLE WORKFLOW

CLINIC

DENTAL LAB

CHAIRSIDE Instant Restoration



CLINIC + DENTAL LAB Restoration



CHAIRSIDE Implant Instant Treatment



CLINIC + DENTAL LAB Implant Treatment



ORTHODONTICS



MetiSmile

Dental 3D Face Scanner

Beyond Smile



Applications

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.

Data Acquisition Camera



IR VCSEL Projector

HD Texture Camera

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.

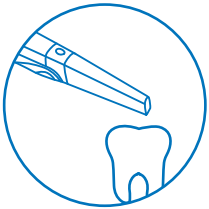
High-fidelity Texture

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

ADVANCED SOFTWARE:

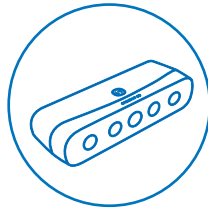
Auto Alignment Between Facial Scan Data and Intraoral Scan Data

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 prospective for digital smile design that assists in creating more aesthetic restorations for patients.



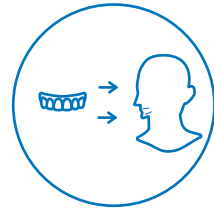
Step 1

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

Applications

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



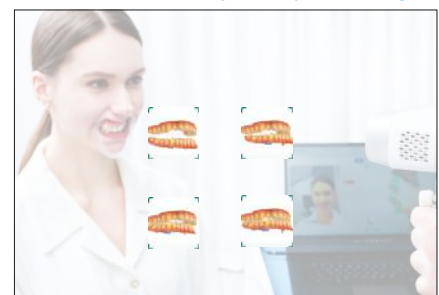
Ortho Simulation

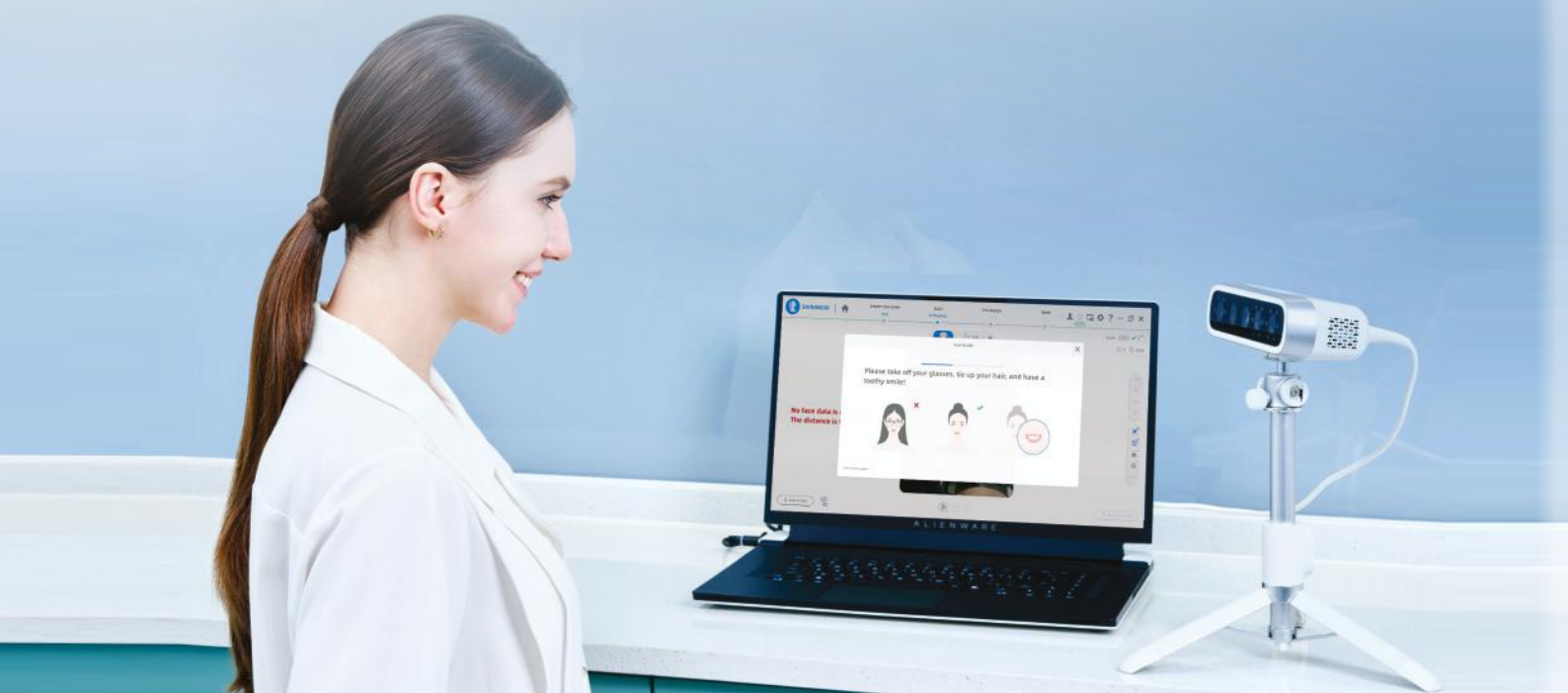


Facial Feature Measurement and Comparison



Mandibular Trajectory Tracking





Good User Experience

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

Technical Specifications - MetiSmile	
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*270mm
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

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

Unparalleled Accuracy



IT7
Accuracy



IT8
Accuracy



IT9
Accuracy



Technical Specifications

Optical Spec	Resolution: 3840×2400	Others	Connection: Wi-Fi/Ethernet/Thumdrive
	Pixel Size: 0.05 mm		Weight: 19 kg
	Wavelength: 405 nm		Printer Dimensions: 360 mm×360 mm×530 mm
	Light Intensity: 3 mw/cm^2	Available Materials	SHINING 3D Engineering Material: White Material: TR01 S1; Yellow Material: DM12; Transparent Material: SG01; Black Material: S2; Washable Material: W1
	Light Source: UV LED + LCD		BASF Engineering Material: Durable Material: ST45 ST80; Rigid Material: RG35 RG50; Flexible Material: FL60 EL 150
Print Spec	Print Size: 192 mm×120 mm×180 mm		Third Party Certified Resin: Third party resin materials approved by SHINING 3D, also can be used in AccuFab-L4K High-Precision Resin 3D Printer
	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° ~ 30°		
	Working Humidity: 30%~ 70%		



Unparalleled Accuracy

Accurate Precise

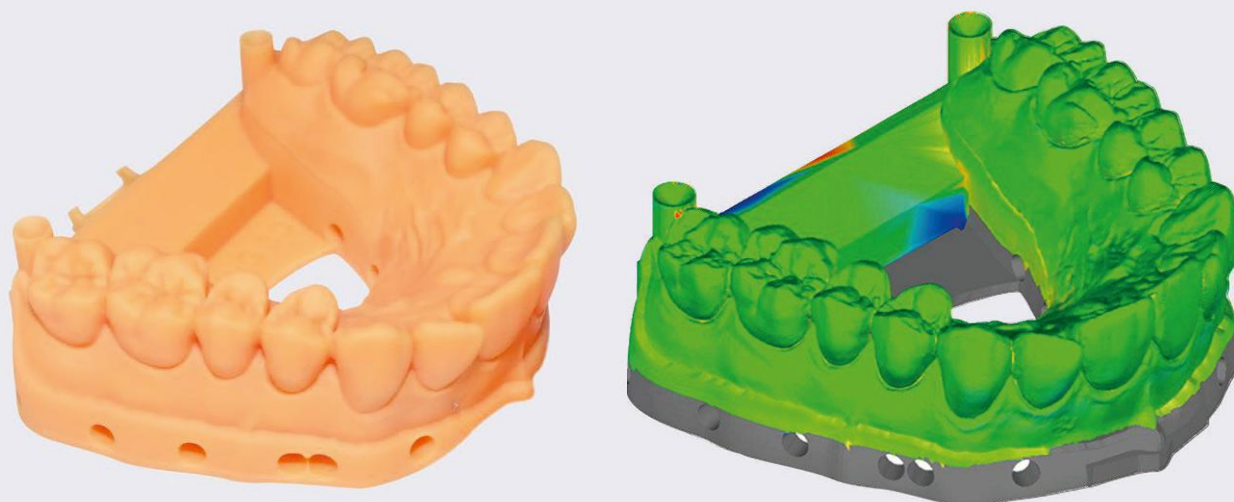
Over 96% of the surface points fits within $\pm 0.1\text{mm}$

Outstanding Uniformity

High luminance uniformity achieves up to 90%

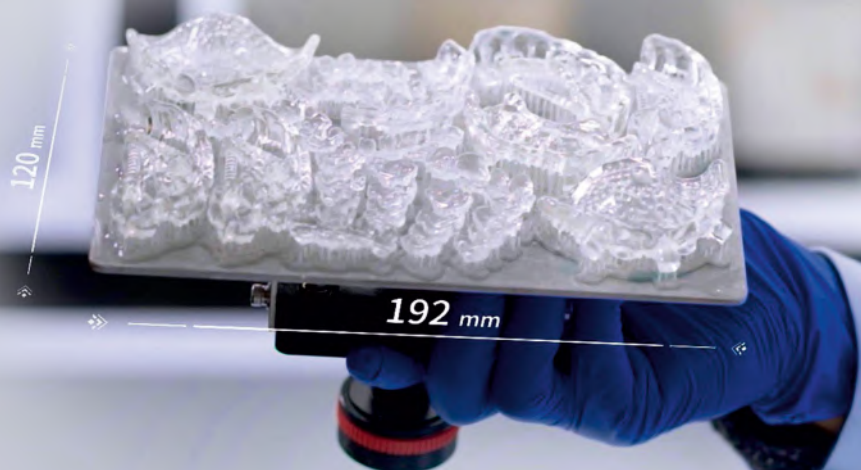
Beyond the Limits

Provides not only the possibility to obtain features smaller than a pixel, but also superior surface finish.



Large Print Size, 4K Resolution

192*120mm printing size and 4K resolution satisfy the demands of users for efficiency and details.



Reliable Performance

Industrial Grade Optical

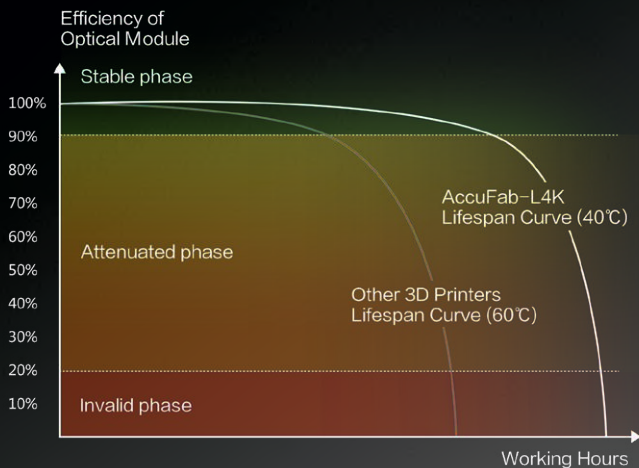
High quality optical module with long-life components

State-of-the-Art Robustness

AccuFab-L4K's 5 million layers tested in real dental clinic condition provides state-of-the-art reliability.

District Cooling System

DCS (District cooling system) maintains the temperature of working screen under 40°C, while extending the 3D printer lifespan significantly.



Professional Dental Software

Plug and Play

Guided interactive operation provides gentle learning curve

Free Updates

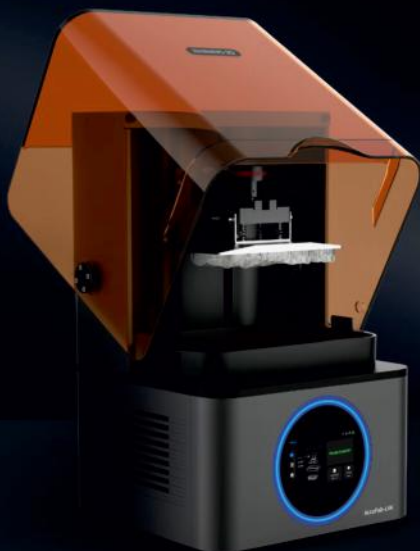
Push update of software and material packages

Accuracy Calibration Wizard

Step by step guide for accuracy calibration



Connecting the Future



Link Aoralscan with AccuFab

Shining 3D intraoral scanner, 3D printer and dental material ecosystem provides exceptional experience in digital dentistry.

AccuDesign

Life-time free upgrade model creator software that comes with AccuFab-L4K.

Dental Cloud

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



WHERE **TRUST** COMES FIRST



Partnering with Dentists for over two decades
creating a world full of healthy smiles together.

For any Sales & Support

 **8527700805, 9717892258**

 **cadcamcrm@unicorndenmart.com**



SCAN TO VISIT OUR WEBSITE



Corporate Office: 3 Local Shopping Centre, MOR Land, Near J Block
DDA Market, New Rajender Nagar, New Delhi – 110060

