SHINING 3D DENTAL

MetiSmile

3D Face Scanner

Beyond Smile

SHINING3DDENTAL.COM

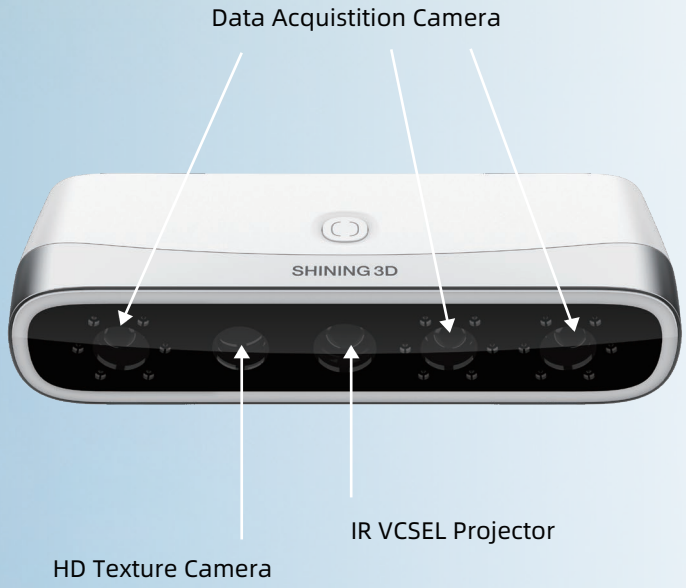
SAY HELLO TO MetiSmile

MetiSmile is the first face scanner developed and produced by SHINING 3D exclusively for dentistry. It can quickly capture the facial information to create 3D model and assist in clinical diagnosis with its advanced software.

- Fast Scan Speed
- Ortho Simulation
- Mandibular Trajectory Tracking
- Facial Features Measurement & Comparison
- Automatic Alignment of Intraoral and Facial Data
- DICOM Data Integration to Create a Virtual Patient

SHINING3D
ALIENWARE

POWERFUL HARDWARE



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

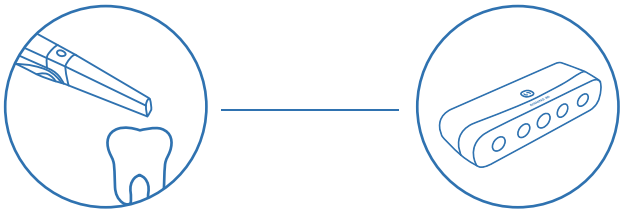
High-fidelity Texture

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

ADVANCED SOFTWARE

Align Facial Scan Data, Intraoral Scan Data, and DICOM Data to Create a Virtual Patient

It seamlessly integrates DICOM, facial, and intraoral scan data to create virtual patients, providing a comprehensive reference for the digital smile design process and improving communication among dentists, technicians, and patients.

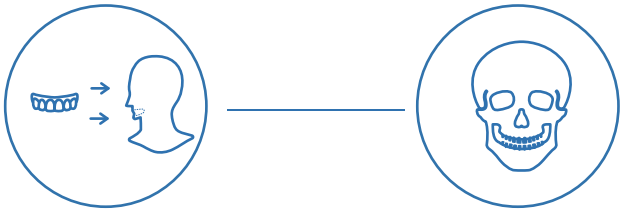


Step 1

Use Intraoral scanner to capture the intraoral data.

Step 2

Use MetiSmile to capture the facial data.



Step 3

Import the intraoral data to MetiSmile software for auto alignment.

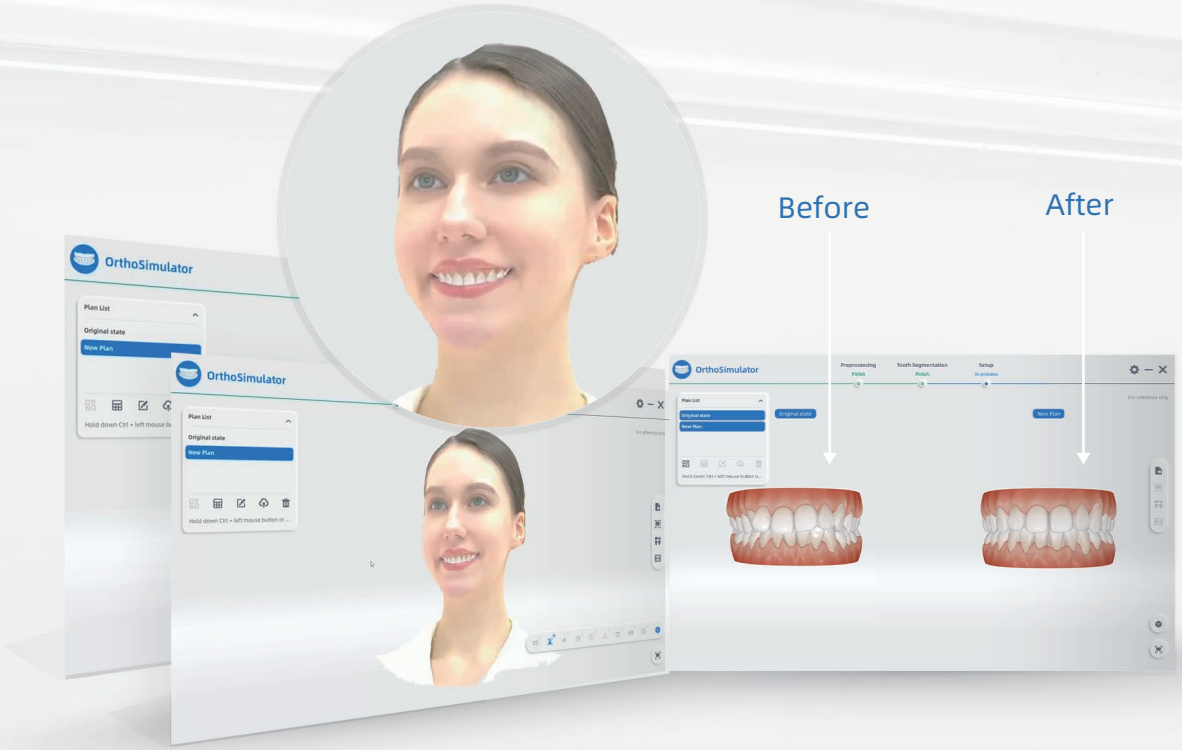
Step 4

Import DICOM data to create a virtual patient.

Advanced Software

ORTHO SIMULATION

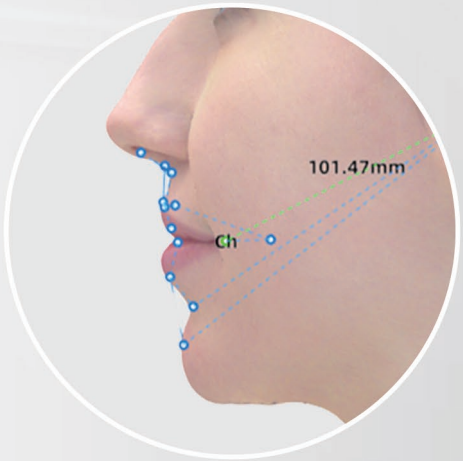
The ortho simulation modules can simulate changes in both teeth and face during orthodontic treatment, allowing patients to preview post-treatment effects. This is extremely helpful for consultations between patients and dentists.

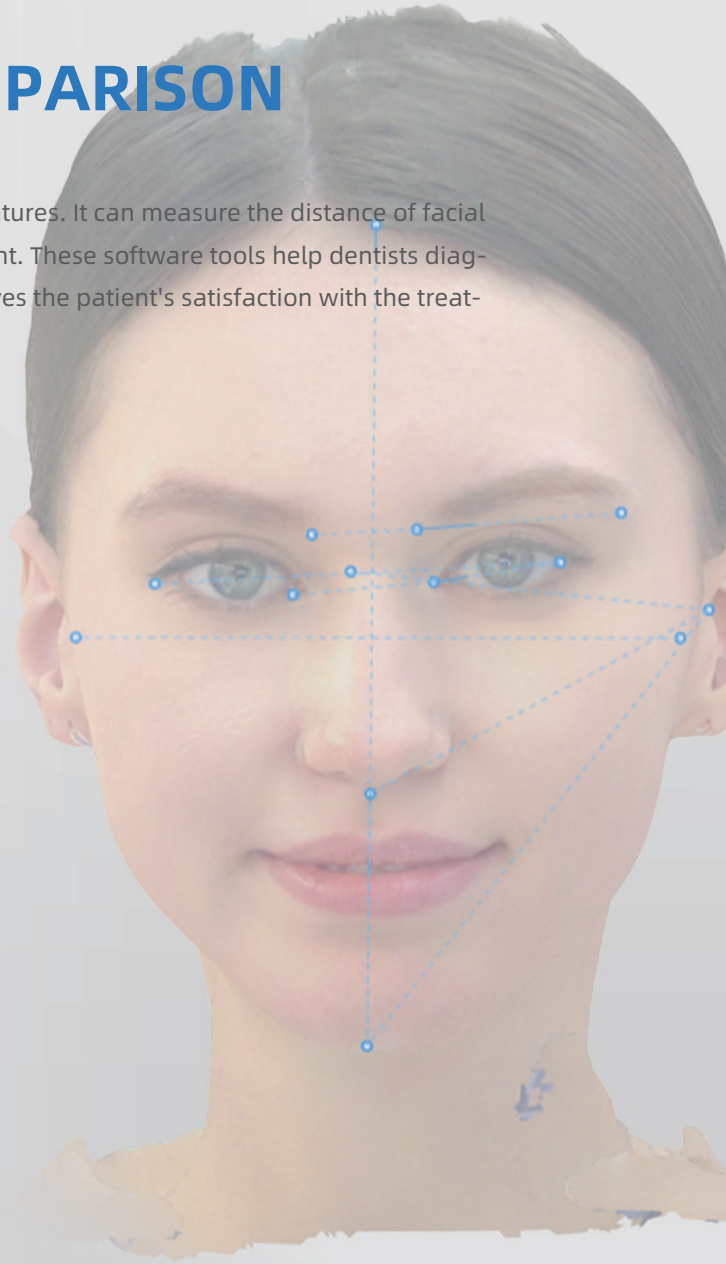


Advanced Software

FACIAL FEATURE MEASUREMENT & COMPARISON

The intuitive software is capable of recognizing 3D facial features. It can measure the distance of facial data, and compare facial changes before and after treatment. These software tools help dentists diagnose and evaluate treatment more effectively. It also improves the patient's satisfaction with the treatment plan while adding visual presentation.

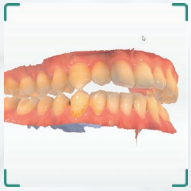




Advanced Software

MANDIBULAR TRAJECTORY TRACKING

Using mandibular trajectory tracking, the dentist can acquire dynamic occlusion data. This module includes left and right lateral detection, centric, and open occlusion. It delivers detailed occlusion information for accurate diagnosis, design, and treatment.



*Optional function with extra cost, coming soon.

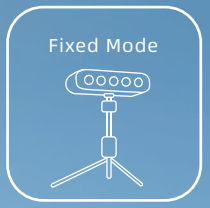
APPLICATIONS

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

EXTRAORDINARY USER EXPERIENCE

- 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
MetiSmile

Model	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

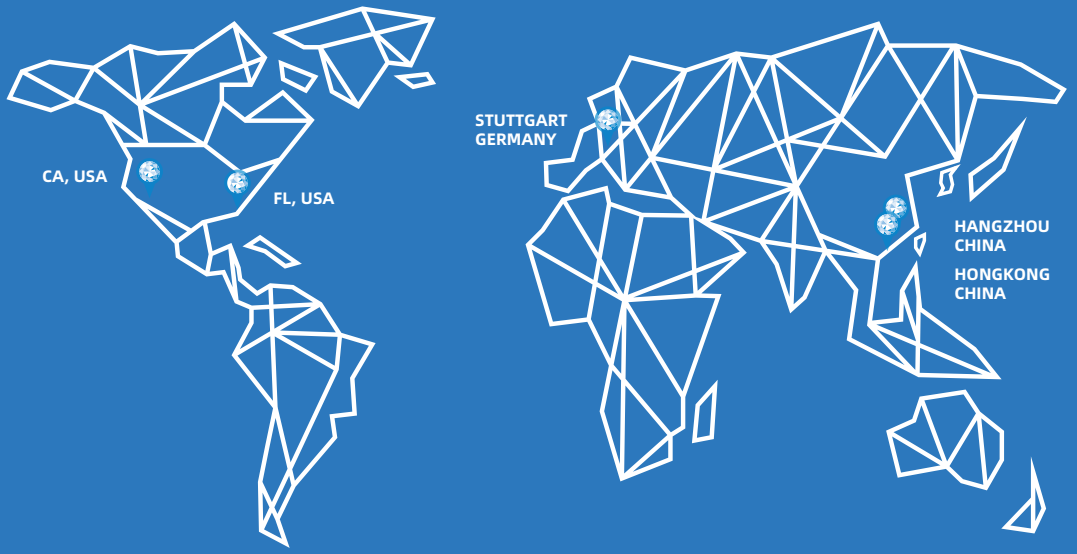
Recommended PC Configuration

CPU	Intel Core i7-8700 or higher
Memory	16GB is the minimum, 32GB is highly recommended.
Hard Disk Drive	256GB SSD or above
Display Resolution	1920*1080, 60Hz or higher
Connector	USB 3.0
Graphic Card (GPU)	NVIDIA RTX 2060 6GB or higher
Operating System	Microsoft Windows 10（64-bit）or later versions of Windows operating system

ABOUT US

SHINING 3D provides fully integrated 3D digital dental solutions.Starting with obtaining scan data with 3D scanners for labs,intraoral scanners for clinics,to designing with dental CAD software. From case design, to 3D print, including: working models, orthodontics models, implant models, surgical guides, wax-ups, and partial frameworks.

SHINING 3D obtained CE, FDA international product standards, ISO13485 medical device quality management system certification, Authorized Economic Operator (AEO) certification; ISO/IEC 27001, 27701, 27017 and 27018 four IT security certifications.



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