

# 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**



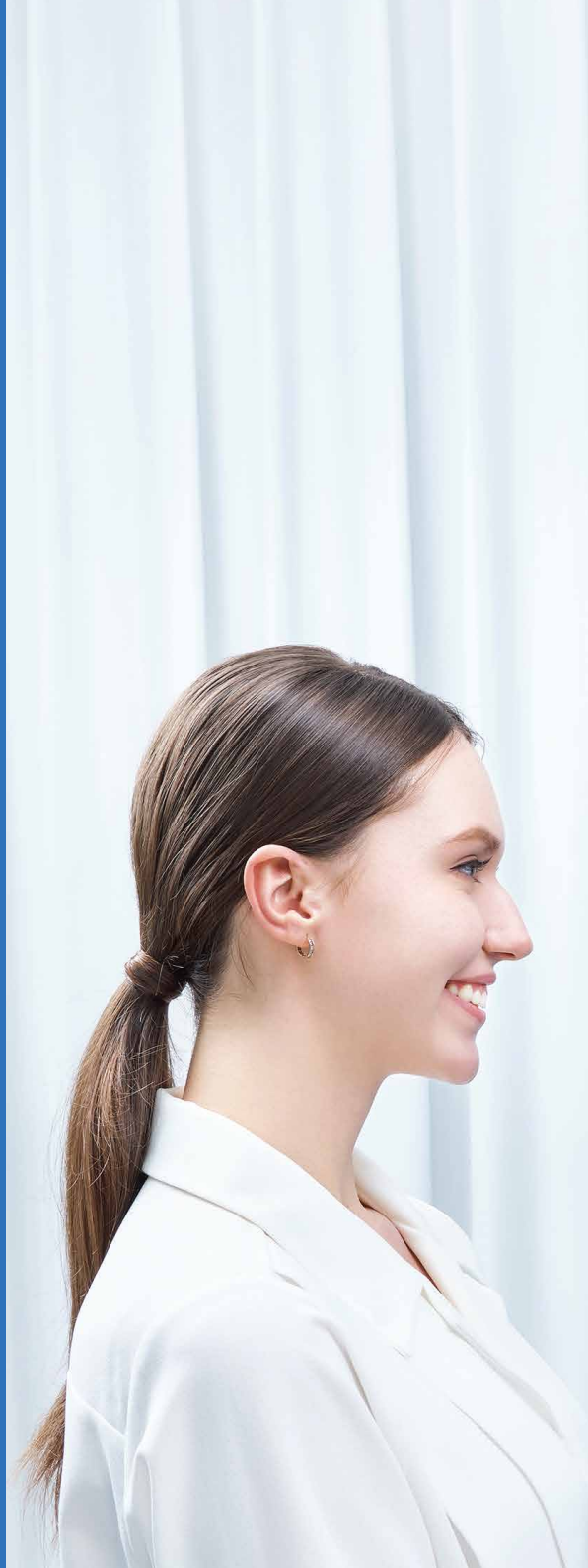
**Mandibular Trajectory Tracking**



**Facial Features  
Measurement & Comparison**

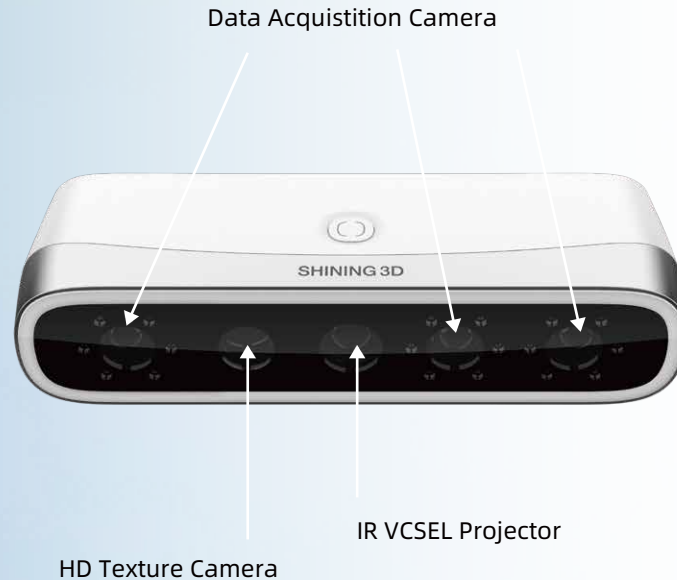


**Automatic Alignment of  
Intraoral and Facial Scanned Data**





# 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 acquisition cameras and one 5.0 MP HD texture camera produce scan accuracy within 50 $\mu$ m. MetiScan 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

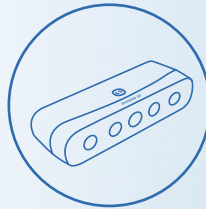
## Auto Alignment Between Facial Scan Data and Intraoral Scan Data

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.



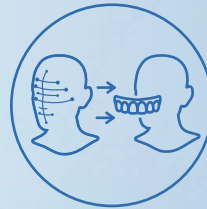
### Step 1

Use Intraoral scanner to capture the intraoral data.



### Step 2

Use MetiSmile to capture the facial data.



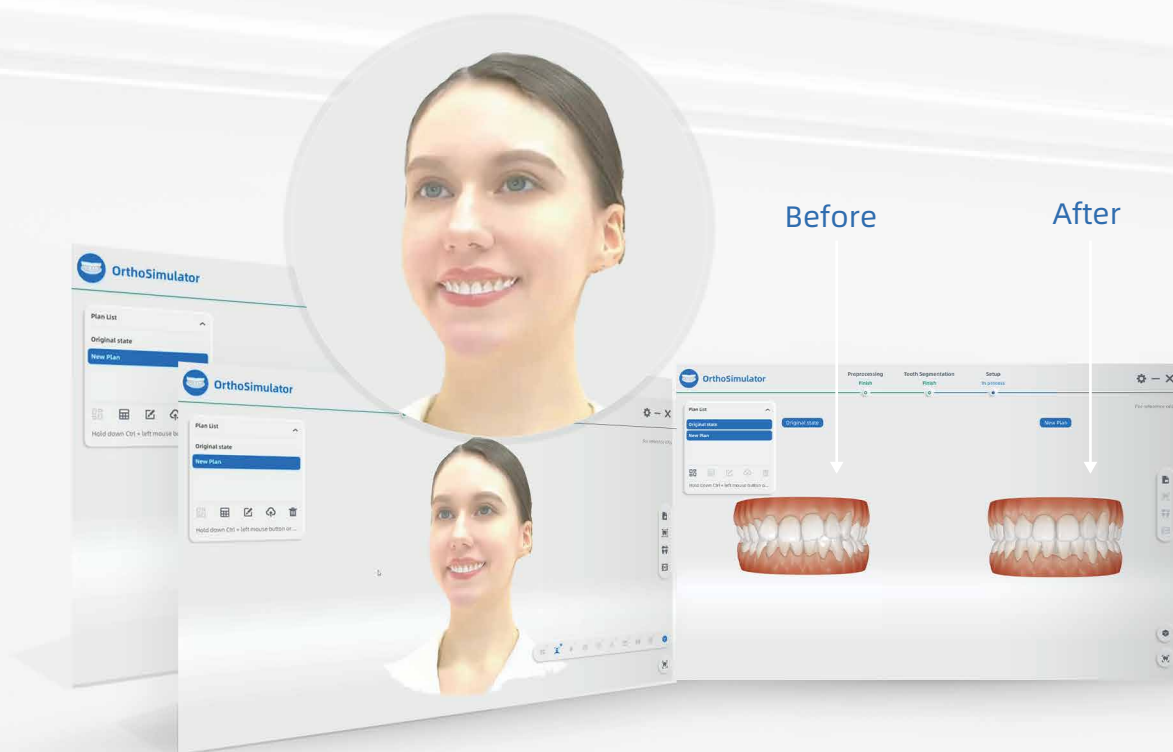
### Step 3

Import the intraoral data to MetiSmile software for auto alignment.

Advanced Software

# ORTHO SIMULATION

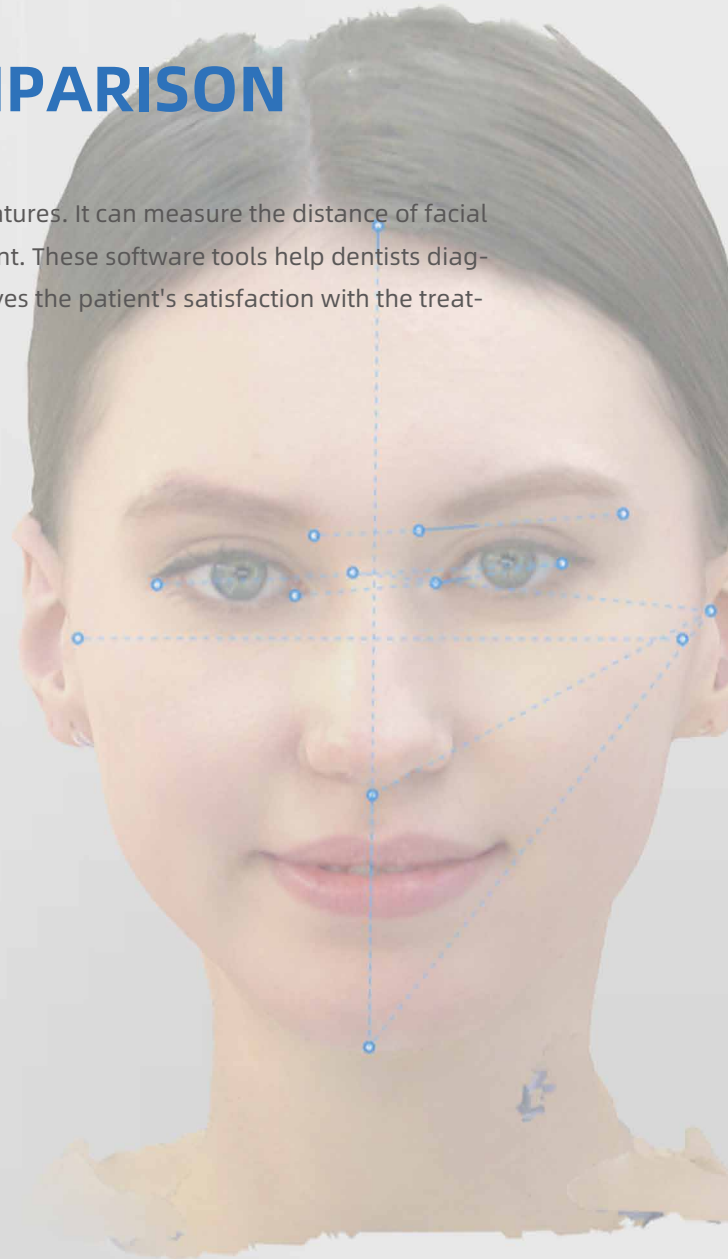
Some of the features of the Ortho Simulation module include automatic lip extraction and one-click tooth segmentation, etc. The intelligent before and after orthodontic treatment display is enhanced by the integration of the facial scan information.



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.





# 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**



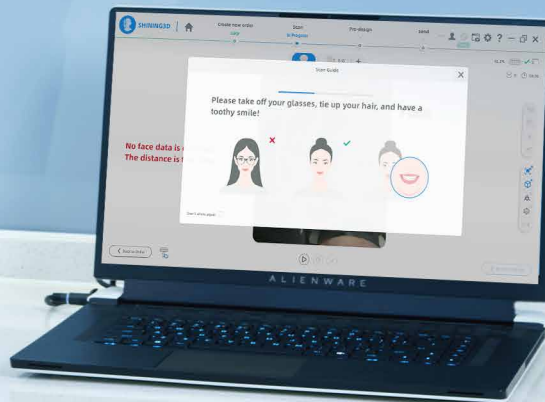
# EXTRAORDINARY USER EXPERIENCE

- ❑ 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.

Handheld Mode



Fixed Mode



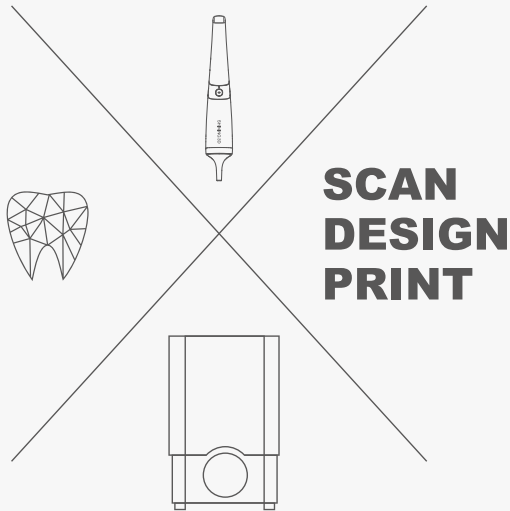
# Technical Specifications

## MetiSmile

Model	MetiSmile
Resolution	<b>Depth camera:</b> 1.3 Mega Pixel <b>Texture camera:</b> 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 coler temperature	5500K
Dimension	215*50*75mm
Weight	800g
Power Supply	<b>Input:</b> AC100-220V~, 50/60HZ, 1.5A <b>Output:</b> 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



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