

Intraoral scanner

# YRC-S05

Redefining the Efficiency of Intraoral Scanning



## PRODUCT ADVANTAGES

*More Comfortable, More Precise, More Intelligent*

The all-new self-developed YRC-S05 intraoral scanner from YUCERA features an ergonomic design that enhances intraoral fit and operational comfort. Weighing only 126g, it allows for effortless handling over extended periods. Combined with its high-efficiency imaging system, it completes a full-arch scan in just 1 minute, significantly improving clinical efficiency. With its outstanding performance and broad applicability, it fully meets the precise imaging needs of various fields such as digital restoration, orthodontics, and surgical guides for implants, serving as a trusted and capable digital assistant in your practice.

### Lightweight & Sturdy, Drop-Resistant

Weighing only 126g, it is compact, lightweight, and drop-resistant. Quiet operation ensures a better patient experience.

### Medical-grade safety standards for zero-risk diagnostics

The scan tip is made of FDA-certified medical-grade material and includes 6 autoclavable scan tips to completely eliminate cross-contamination.



### Intelligent & easy operation

Gesture control + multifunctional buttons for effortless start/stop and mode switching; The 1.8-meter cable design ensures flexible, effortless operation. One-touch activation with automatic calibration; regular maintenance ensures stable performance.

### Ultra-low profile for easy access to the mouth, with self-heating anti-fog functionality

The 14mm ultrathin scan tip easily accesses deep oral areas, adapting to complex clinical situations. Built-in automatic heating prevents lens fogging, ensuring clearer and more comfortable examinations.



### Double Precision Core Assurance, Ensuring Accurate and Reliable Data

With a precision of  $\leq 6 \mu\text{m}$  and an accuracy of  $\leq 8 \mu\text{m}$ , it captures the fine details of tooth structures, ensuring precise and reliable data.



### Multi-Scenario Adaptability, Maximizing Practical Utility

Featuring a 0-20mm depth of field and an 18mm $\times$ 16mm field of view, it is suitable for a variety of scenarios including full-arch scanning, restorations, and implants.



### High-Definition Lossless Imaging, Clearly Distinguishable Details

Multi-color light sources adapt to different oral environments, clearly restoring details of teeth and soft tissues. Fine cracks and interproximal gaps are distinctly visible.



### Ultra-Fast Scanning Efficiency, Full Arch in Under 1 Minute

With a scanning speed of 24 frames per second, a full dental arch can be completed in <1 minute, eliminating the need for traditional impression steps and significantly improving clinical efficiency.

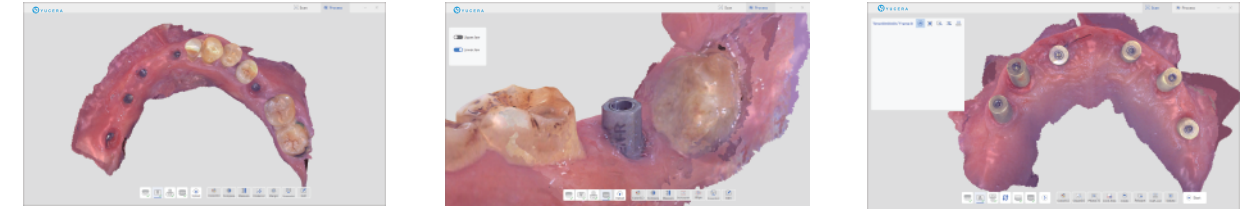
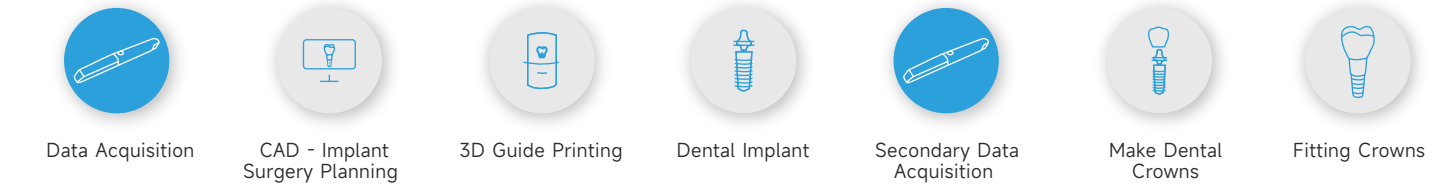


### Full Format Compatibility, Seamless Digital Integration

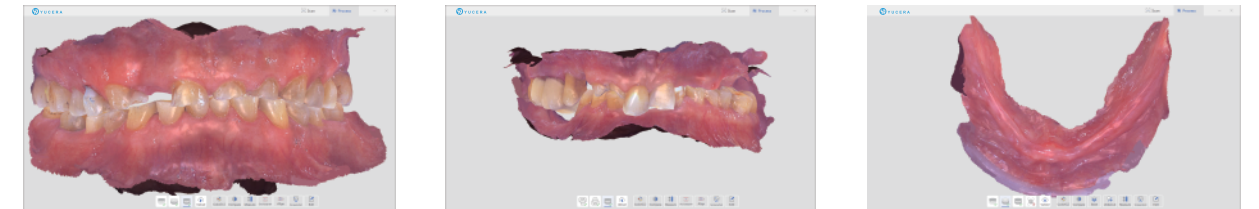
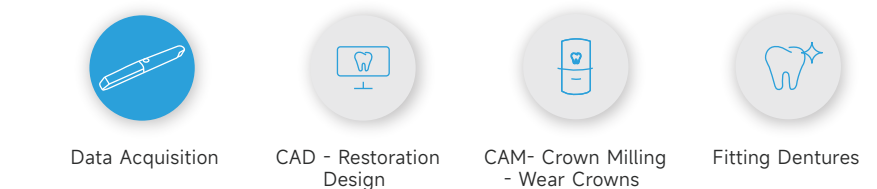
Supports mainstream formats such as STL, PLY, and OBJ, with USB 3.0 high-speed transmission for seamless connection to CAD/CAM systems and 3D printing devices.

## SCOPE OF APPLICATION

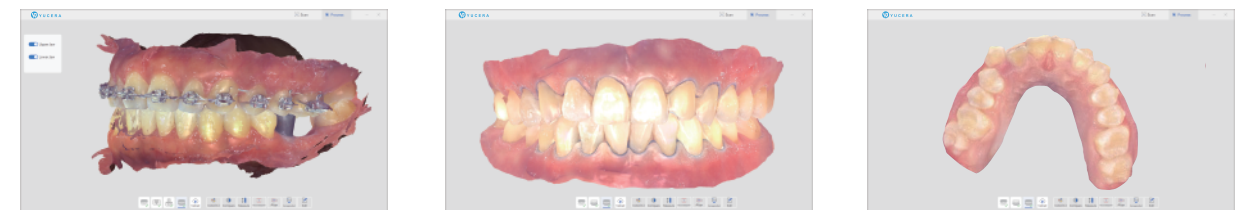
### Implant



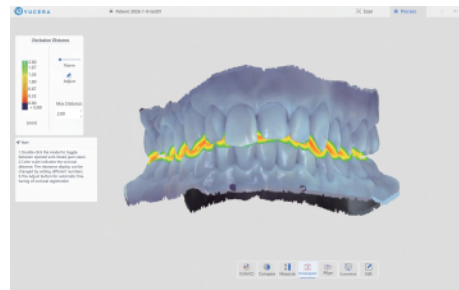
### Orthodontics



### Restoration

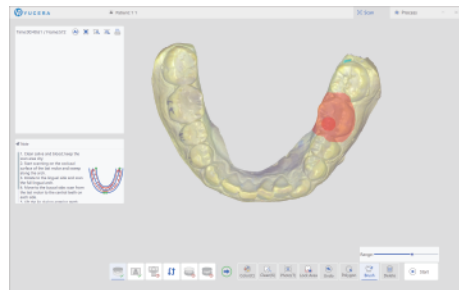


## SOFTWARE FEATURES



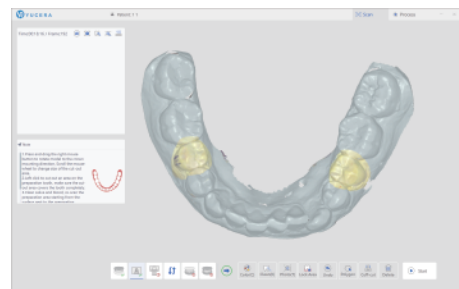
### Bite Check

Occlusal Confirmation & Space Measurement  
Measure the occlusal distance with a color gradient display to accurately determine the restoration space and assist in improving tooth preparation outcomes.



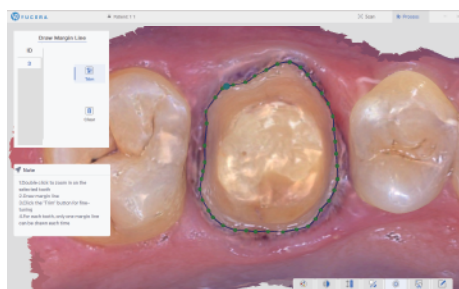
### Trim Function

Precise Removal, Data Assurance  
Precisely remove invalid interference data during scanning with one click, ensuring a more reliable digital foundation for subsequent restoration design and processing.



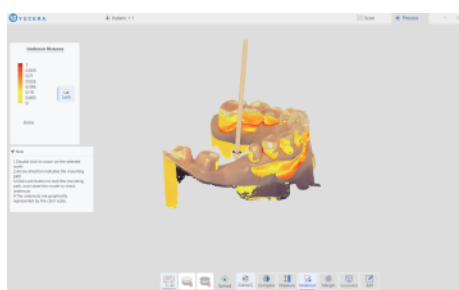
### Pre-preparation Scan

Data Retention for Reliable Reference  
Effectively records pre- and post-preparation tooth morphology and occlusal relationships, providing a reliable reference for denture fabrication.



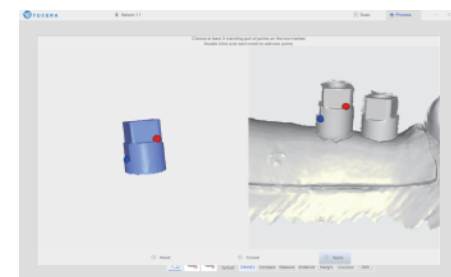
### Margin Line Drawing

Draw accurate and clear margin lines, linking doctors and technicians to reduce rework.



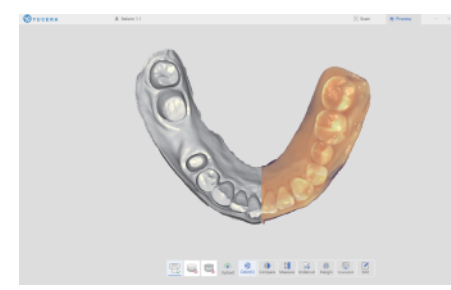
### Undercut Check

Auxiliary confirmation in place, colour gradient indicates undercut, accurate prediction, and improves the communication efficiency between doctors and technicians.



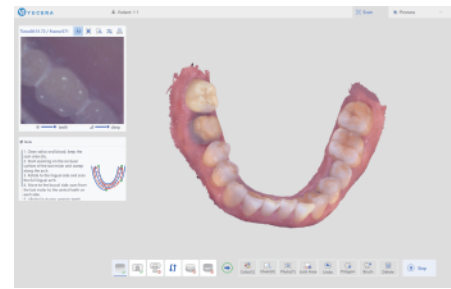
### Completion Function

Scan Body Data Replacement – All in One Step  
Replace scanned data with standard scan body data to reduce the difficulty of intraoral scanning in complex cases, streamline clinical procedures, and improve data success rates.



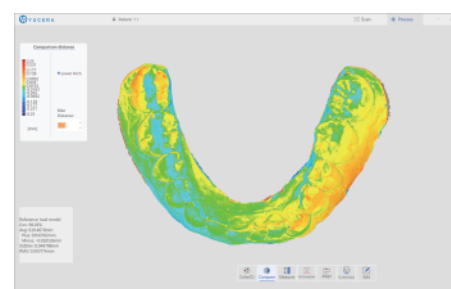
### Color Switch

True color jaws, clearly restore details, one click to switch colors, and check model data comprehensively.



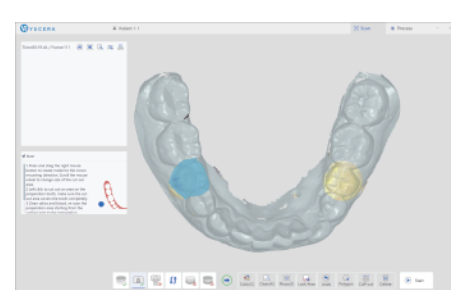
### AI Intelligent Scan

Easily identify soft and hard tissues, eliminate redundant data, and make accurate dental models.



### Disease Course Monitoring

Full-cycle diagnosis and treatment monitoring, comparative observation of model differences, simultaneous analysis, comprehensive upgrade of diagnosis and research.



### Lock Data

Locks the tooth position to prevent data loss and reject excess data interference.

## Specification

Scanning Technology	Smart Dynamic 3D Scanning
Light Source	Multi-color Laser
Product Dimensions	225×32×26mm
Product Weight (excluding data cable)	Without Scanner Head: 115g, With Scanner Head: 126g
Single Scan Range	18mm × 16mm
Scanner Head Dimensions (L x W x H)	83 × 19 × 14mm
Scanning Depth	0–20mm
Scanning Frame Rate	24 fps
Number of Scanner Heads	6, supports multiple high-pressure steam sterilizations (100 cycles)
Data Interface	USB 3.0
Multi-function Button	Supported
Gesture Control	Supported
Accuracy	8μm
Precision	6μm
Full-mouth Scan Time	<1 minute
3D Data Format	STL, PLY, OBJ



## PC REQUIREMENTS

CPU	Intel i7-12700H/Intel i7-11800H or above
GPU	RTX2060/RTX3060 or above
RAM	16G/32G
Hard Disk	SSD 512G or above
Operating System	Windows10/11 64bit
Display	Resolution 1920×1080 and above

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