

YRC-S03

Versatile Intraoral Scanner
For Professionalism And Precision



Rapid
mold taking



Lighter and
more accurate



Cloud
Interconnection



Real-time
report



AI Quick Scan,Real-time Health Report

Leading the new era of digital diagnosis and treatment

Yucera YRC-S03 is a professional-grade AI intelligent intraoral scanner with digital diagnosis and treatment as the core, which can efficiently and accurately collect the patient's intraoral data. It is equipped with ultra-high-speed scanning system (80mm/s), and the full-mouth scanning takes only 90 seconds, with an accuracy of $\leq 15\mu\text{m}$, which can provide more complete and intuitive data for the outpatient treatment, and provide a more comfortable and convenient treatment experience for the patients.

The unique data openness design supports a variety of design software, and the scope of application covers digital oral restoration, digital orthodontics, digital implant navigation templates and other fields. With full scene coverage, no short board performance and cloud ecology, YRC-S03 provides dental institutions with a full link solution from data collection to intelligent management.

Lighter Handpiece

The handle weighs only 204g and is ergonomically designed for a comfortable grip and smooth one-handed operation.

Silent and Dustproof

Integrated handle design+unique heat dissipation circuit system design, dust-free and anti-dirt, reducing the risk of cross-infection. Noiseless operation, good patient experience.

Type-C Data cable

Direct connection with Type-C data cable, more stable connection, Screw-in wire tail for easy cable replacement.



01 Hardware core technology advantage

Fast scanning,full arch in as little as 90S

Fast mold taking, linear scanning speed up to 80mm/s, faster reconstruction, more optimized matching algorithm, full-mouth real-person scanning only takes 90S.

Handle intelligent remote control

Long press the handle button to enter the selection page, then short press to switch and long press to confirm. Six modes are available: upper dental arch, lower dental arch, left bite, right bite, metal, and AI.

Two sizes of scanning head

Standard scanning head*2 and mini scanning head*1 are equipped as standard to meet the clinical needs of patients with different openings.

100 times high temperature and high pressure sterilization scanning head

Scanning head internal heating design, temperature stabilization, to prevent the scanning head mirror fogging. Support 100 times high temperature and high pressure sterilization.



02 Digital diagnosis and treatment

► AI Intelligent Assistance

AI Smart Scanning

Using AI intelligent algorithm, remove excess soft tissue in real time; scanning is smoother and the scanning results are cleaner: can be applied to edentulous jaw optimization, caries detection, automatic labeling and other fields.

Orthodontic simulation function

Automatic tooth arrangement, easy to check the correction effect, simpler doctor-patient communication.

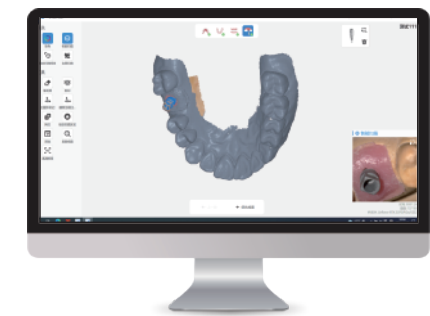
Accessibility

Can detect undercuts, bites, draw margin lines, and adjust coordinates.

► Multi-mode scanning

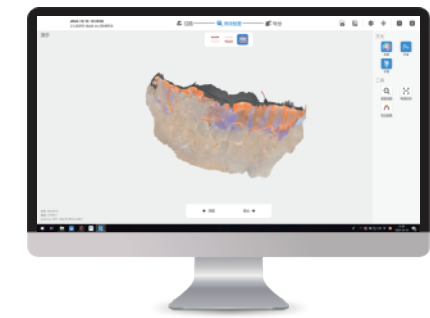
Scanning rod intelligent matching

Implant scanning mode, easy extraoral scanning, quick 1 second matching of original data intraoral, faster and more accurate positioning of the scanning rod, improving the accuracy and completeness of intraoral implant data, and reducing the difficulty of intraoral implant scanning for doctors.



Impression Scanning

For areas that cannot be scanned or are difficult to scan intraorally, an impression scanning model is used to achieve more complete scanning data for difficult cases by combining intraoral and silicone mold scanning.

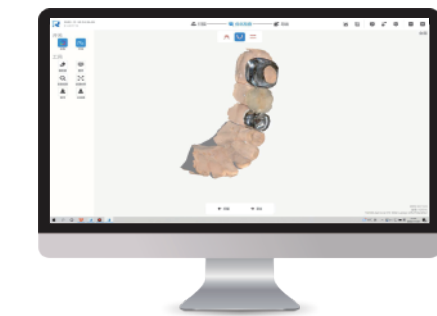


Preserve more mucosa

For edentulous cases or cases that need to retain more soft tissue data, enable the option of retaining more mucosa to retain soft tissue data and improve the scanning experience.

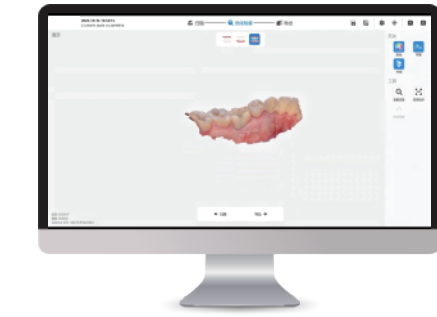
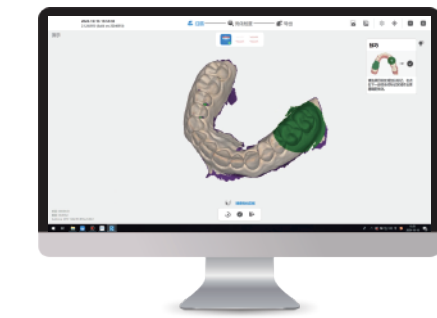
Metal scan

Metal has strong reflectivity and many noise points; the effective reconstruction area is small and splicing is difficult; we have focused on optimizing the above issues.



Fine scanning

Fine scanning mode improves the adhesion problem between gums and teeth and obtains more realistic intraoral data.



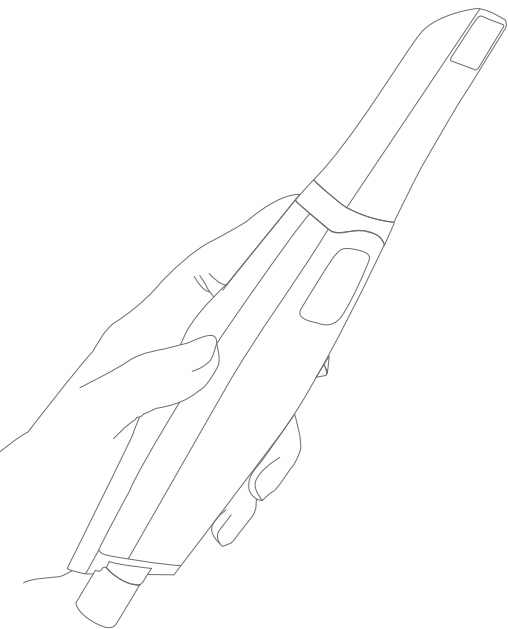
03 Cloud Interconnection & Data Management

Case sharing on cloud

Scanning data is uploaded in real time, supporting synchronization of multiple terminals such as cell phones and computers, and generating oral health reports with one click.Both patients and doctors can quickly and intuitively view the 3D model of the teeth and detailed data, realizing the visualization of doctor-patient communication and helping remote consultation and intelligent monitoring.

Data Management

The cloud platform provides whole-link data visualization, realizes cloud service at the clinical end and technician end, and uploads and downloads data with one key.



Security & Compatibility

Ultra Long Life

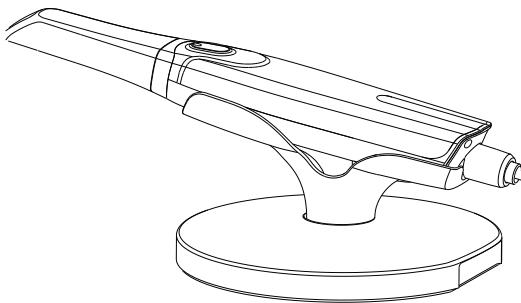
Up to 12 years of service life and over 30,000 hours of continuous operation.

Widely Compatible

Adapt to Windows system, recommended configuration Intel i7 processor + 16GB RAM
Seamlessly interface with mainstream design software.

Specification

Basic parameters	
Intraoral Scanner	YRC-S03
Handle Size	240*49.5*30.5mm
Photographic Technology	Optical continuous video acquisition
Scan Depth	0-15mm
Scan Precision	Crown≤15μm Full bridge≤30μm
Picture Mode Synchronization	3D video
Fast Reset	support
Model Optimization	support
Ouput File	STL,PLY(True Color), OBJ
Handle Weight	204g
Working Time	> 30000 hours
Scan Head	2 standard scanning heads, 1 protection head
Mini Scanning Head	1
Standard Scanning Head Size	78.9*19.8*15.8mm
Mini Scanning Head Size	79.2*16.2*12.8mm
Scanning Head Anti-fog Mode	Internally heated scanning head
Calibration Head	1 set(Optional)
Use Life	12 years
Supply Voltage	220V~50Hz
Power Consumption	25VA
Multilingual System	Chinese,English,French,Spanish, Russian, Portuguese,Italian,Greek,Polish,Romanian, Japanese, Korean,Turkish,Czech, German,Hungarian



The basic configuration of the computer used with the yucera intraoral scanner should not be less than the following requirements(recommend):

Microsoft Windows 10 64-bit Home Edition
CPU: Intel Core i7-11800H processor or above
Graphics card and memory: NVIDIA GeForce 3060 or above, including 3060Ti, 3070, 3080, etc.
AMD graphics cards with 6G or above memory are not supported
Ram: 16G or above
Rom: recommend 512g SSD or above
Monitor resolution: 1920x1080
Inferface: usb2.0/3.0

*Product parameters and software functions may be adjusted due to technical upgrades or version iterations, the actual performance of the delivered version shall prevail.

Machine operating environment

- a) Environment temperature: 10°C~40°C
 - b) Relative Temperature: ≤85%
 - c) Atmospheric pressure: 86KPa~106KPa
- Machine storage and operating environment
- a) Environment temperature: -20°C~55°C
 - b) Relative Temperature: 10%~93%
 - c) Atmospheric pressure: 86KPa~106KPa

