

Product Specifications

Name	YRC-P100
Technology Type	LCD
Touch Screen	7-inch touch screen
Light Source Technology	COB
Printing size	223*126*150mm
Printing Accuracy	30µm
Screen Resolution	14K (13320*5120)
Layer Thickness Range	0.05-0.1mm
Printing Speed	15-45mm/h
Heating Temperature	20-25°C
Data Format	STL、CTB、SLC
Data Transmission	USB、Ethernet、Wi-Fi
Light Source System	Compatible with 385/405nm wavelength materials
Voltage Range	110-240V (50/60Hz)
Power	150W
Printer Size	360*360*470mm
Printer Weight	22kg

Shenzhen Yurucheng Dental Materials Co.,Ltd.

Tel: 0755-84622327

Email: info@yucera.com

Add: Building 4, YESUN Life& Health Tech Park, No.19 Linhui Road, Pingshan District, Shenzhen, China



www.yucera.com



YRC-P100 Printer

Engineered for high precision in clinical and lab settings



14K Ultra-High Definition | Large Platform, High Throughput | Compatible with Various Materials

YRC-P100

The YRC-P100 printer is specifically designed for high-precision requirements in clinical and dental lab applications. It is ideal for printing dental models, gums, temporary crowns, and more, delivering excellent performance with both high speed and high precision. Pre-calibrated from the factory, it requires no manual leveling, making it easy to operate with zero learning curve. Equipped with a COB parallel light source that ensures uniform and stable curing, it provides users with a simple and user-friendly 3D printing experience.

Automatic Material Loading & Unloading

Supports automatic material feeding and changing, saving time and labor costs

Precision Printing

Print overlap accuracy: >90%
Print consistency of the same model between batches 95%

Large Platform

Extra-large build area of 223x126x150 mm

Smart Temperature Control Heating

When the working temperature of the build chamber falls below 20°C, the device activates the automatic heating module

Open System

Open parameter settings, compatible with various dental resins and clinical application scenarios

7-inch Touch Screen

Simple operation, user-friendly design



Maximum printing speed

45mm/h

Orthodontic model

30mins

Crown resin

40mins

Surgical guide

50mins

Implant dental model

1 hour

Product Features

14K Ultra-HD Precision, Clinical-Grade Accuracy

14K Ultra-HD screen, ±0.03 mm repeatable positioning accuracy, precisely reproducing guides, dental models, and veneer details to meet clinical high-precision requirements.

Open System, Maximum Material Compatibility

Supports 385/405 nm full-wavelength materials with open parameter settings. Compatible with mainstream formats such as STL, CTB, and SLC. Adapts to various dental resins and clinical applications.

Leveling-Free Design, Print Right Out of the Box

Pre-calibrated from the factory – no manual leveling. Easy for beginners to use, reducing errors. Ready to go for clinics and labs.

User-Friendly Design, Reliable and Practical

7-inch touch screen + 11 languages, multiple data transmission options, and optional automatic material loading/unloading system.

Large Platform, 25% Efficiency Increase

Extra-large build area of 223x126x150 mm – print multiple cases on a single platform. Productivity increased by 25% compared to 8.9-inch models.

COB Parallel Light Source

Lens + Fresnel lens dual-layer optical correction eliminates dark spots for uniform curing and high consistency across batches.

Intelligent Temperature Control

When the build chamber temperature falls below 18°C, the automatic heating module activates to maintain resin fluidity, ensuring stable printing regardless of ambient conditions.

Applications



Implant Model



Removable Restoration



Removable Denture



Orthodontic Model



Simulation Gingiva



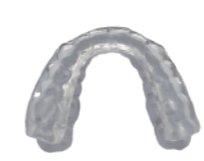
Temporary Crown



Implant Bridge Framework



Surgical Guide



Occlusal Splint



Clear Aligner



Tray



Orthodontic Wax Pattern Bracket