

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	200W
Printer Size	365*365*490mm
Packing Size	485*485*680mm
Net Weight	23kg
Gross Weight	28.36kg

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YRC-P100 Printer

Engineered for high precision in clinical and lab settings



14K Ultra-High Definition | Large Platform, High Productivity | 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

Large Platform

Extra-large build area of 223×126×150 mm

Precision Printing

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

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	Orthodontic model	Crown resin	Surgical guide	Implant dental model
45mm/h	30mins	40mins	50mins	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.



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.



Large Platform , 25% Efficiency Increase

Extra-large build area of 223×126×150 mm – print multiple cases on a single platform. Productivity increased by 25% compared to 8.9-inch models.



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.



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.



User-Friendly Design, Reliable and Practical

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



COB Parallel Light Source

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

Applications



Implant Model



Removable Restoration



Removable Denture



Orthodontic Model



Simulation Gingiva



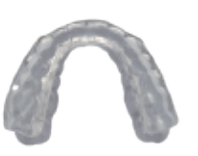
Temporary Crown



Implant Bridge Framework



Surgical Guide



Occlusal Splint



Clear Aligner



Tray



Orthodontic Wax Pattern Bracket