



# P200 Series

## 3D Prints Down to The Last Micron Precisely

The P200 Series adopts a production-grade DLP light engine, which has the characteristics of low optical distortion, high projection uniformity, and increased stability. The spot size can be customized between 32.5-75 $\mu$ m.

With the precision transmission system, the P200 Series can achieve dimensional accuracy up to 10 $\mu$ m\* level.

*\*Dimensional accuracy is related to the part structure, part size, resin material and printing parameter settings. The 10 $\mu$ m is the accuracy achievable under the best conditions.*



### High-viscosity photopolymer resin

The P200 Series DLP 3D printers can print high-performance, high-viscosity photosensitive resins with comprehensive mechanical strength and physical performance indicators.



### Direct manufacturing functional parts

The ability to directly manufacture functional parts for small batch trial production, flexible production, or spare parts for equipment, facilities, and product after-sales service based on the high-performance resin system.



### Customize the pixel size

The pixel size of the DLP projector can be customized between 32.5-75 $\mu$ m according to the application requirements to achieve excellent detail reproduction and high dimensional accuracy.



### Built-in air purification

The P200 Series has a built-in air purification device in the building cavity. The HEPA filter element can minimize the odor in the chamber and reduce the impact on the environment.

	<b>P200</b>	<b>P200 HD</b>	<b>P200 UHD</b>
Build volume	144×81×190 mm	96×54×190 mm	62×35×150 mm
Pixel size	75 μm	50 μm	32.5 μm
Technology	Low Force Peeling DLP Technology		
Dynamic layer thickness	0.025 - 0.3 mm		
Printing speed	Up to 80 mm (3 inches) / 1 hour ( Depending on the resin type and slicer settings )		
<b>Materials</b>			
Available materials	ShapeMaterials Basic/Functional/Advanced /Dental Series		
Material Packaging	1 kg		
<b>Hardware</b>			
Light source	LED light source, Texas Instruments DMD chip		
Wavelength	405 nm		
Resolution	1920 × 1080 pixels		
Door control	Printing will be paused automatically if the hood/door is opened (Optional)		
Building environment	Controllable chamber heating & Automatic heating resin tank		
Air filtration	Built-in air filter in building chamber		
Touchscreen	10" touchscreen		
Connectivity	USB2.0, Wi-Fi(2.4GHz), Ethernet		
Input	100~120 VAC, 50/60Hz 220~240 VAC, 50/60Hz ( Depending on the country/region )		
Rated power	750 W		
<b>Software</b>			
Operating system	Windows 7/8/10/11		
File format (Input)	.stl, .obj		
File format (Output)	.rs, .shape		
Slicing software	ShapeWare		
Advanced functions	Support editing, automatic repair, model cutting, hollowing, perforating, labeling		
Wireless printing	Deliver printing tasks to specified printer in LAN environment via "One Click" operation		
Cluster management	Manage the printing tasks of multiple devices in LAN environment		
Language	English, Chinese		
<b>Size &amp; Weight</b>			
Device dimension	420 × 420 × 890 mm		
Device dimension (With the door open)	420 × 810 × 890 mm		
Net weight	42 kg		
Package size	550 x 570 x 1150 mm		
Package weight	70 kg		

## RAYSHAPE

Suzhou Laisai Intelligence  
Technology Co., Ltd.

www.rayshape3d.com

+86 400 098 3356

sales.os@rayshape3d.com