



Kings
3D Printing

Kings Industrial SLA 3D Printers

New Era of Design and Manufacturing

23 Innovative Technologies, High Speed SLA 3D Printing

Efficient and Cost-Effective Prototyping

Bring Your Idea into Reality



Enhanced Printing Efficiency

- Intelligent high speed scanning system, 15m/s
- Variable laser spot and variable power
- Automatic identifying upskin and downskin with differentiated parameters
- Different Parameter database with different layer thickness

Long-term Printing Stability

- Key components from international top brand: Optowave laser from US, Scanlab galvanometer from Germany
- Full marble structure for enhanced recoating and scanning stability
- High stiffness light recoater to ensure recoating accuracy and efficiency
- Compensation algorithm for multi-head system, ensuring uniform curing in the printing range



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	Kings 1200Pro	Kings 1450Pro	Kings 1700Pro
Max Printing Size	1200*800*600mm	1450*800*600mm	1700*800*600mm
Machine Size	197cm(W) × 166cm(D) × 230cm(H)	221cm(W) × 166cm(D) × 230cm(H)	247cm(W)*168cm(D)*230cm(H)
Rated Power Consumption	2.2KVA	2.2KVA	2.2KVA
Machine Weight	2900kg	3250kg	3600kg
First Tank Resin	950kg	1100kg	1350kg
Beam Size (diameter @1/e ²)	0.075–0.8mm (Variable Beam)	0.075–0.8mm (Variable Beam)	0.085–0.8mm (Variable Beam)
Max Scanning Speed	15.0 m/s	15.0 m/s	18.0 m/s
Layer Thickness	0.05mm~0.25mm	0.05mm~0.25mm	0.05mm~0.25mm
Accuracy	L ≤ 150mm, ± 0.2mm; L > 150mm, ± 0.2%*L	L ≤ 150mm, ± 0.2mm; L > 150mm, ± 0.2%*L	L ≤ 150mm, ± 0.2mm; L > 150mm, ± 0.2%*L

Laser Type	Solid-state frequency tripled Nd: YV04
Wavelength	355nm
Power	Resin Surface Power ≥ 300 mW
Variable Beam System	Galvo/Closed-loop
Main structure	Marble recoater frame, marble elevator holder and marble scanning system base
Coating Mode	Intelligent position vacuum recoating
Vertical Resolution Ratio	0.0005mm
Repeat Positioning Accuracy	± 0.01mm
Motion Control System	Closed-loop
Machine Control Software	KINGS 3D control software
Input Data File Format	STL/SLC
Operating System	Windows 7/10
Network Type and Protocol	Ethernet, TCP/IP
Electrical Requirement	200–240VAC 50/60Hz, single-phase, 10A
Ambient Temperature	20–26°C (72–79°F)
Relative Humidity	< 40%, non-condensing
Machine Warranty	2 years (including laser)

* Kings 3D printers vary from 300*350*350mm to 1700*800*600mm.
For info of other machine sizes, please kindly check www.kings3dprinter.com



High Precision
Excellent Smoothness and Details
Versatile Industrial Application