Kings Industrial SLA 3D Printers
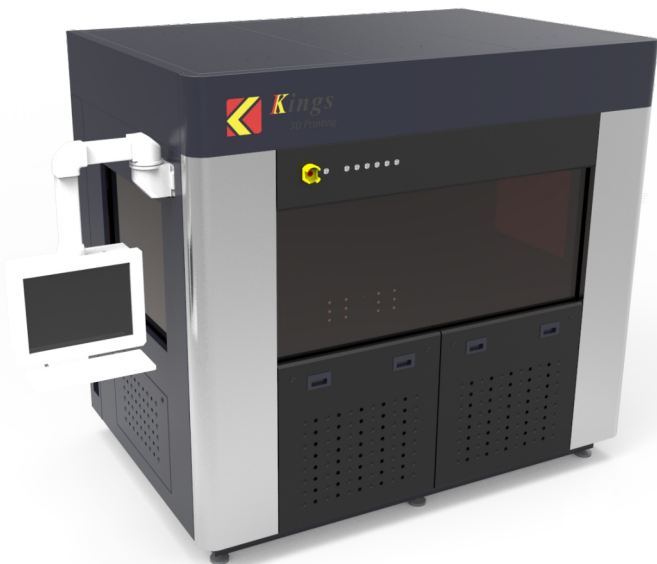# New Era of Design and Manufacturing

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

	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℃ (72−79℉)
Relative Humidity	＜40%，non−condensing
Machine Warranty	2 years (including laser)

High Precision
Excellent Smoothness and Details
Versatile Industrial Application