Kings®
3D Printing

600PRO

Kings Industrial SLA 3D Printers

23 Innovative Technologies, High Speed SLA 3D Printing
Efficient and Cost-Effective Prototyping
Bring Your Idea into Reality











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◆ Overview

The Kings SLA 600Pro 3D Printer offers high-precision SLA technology for professional applications. It excels in producing small and medium-sized detailed models, prototypes, and functional parts for industries like automotive, aerospace, and engineering. With enhanced scanning and CAD software integration, it ensures precise data collection and seamless design.

◆ Advantage

- **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 databases with different layer thickness
- **Long-term Printing Stability**
  - → Key components from international top brands
  - → 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

◆ Ideal Applications

Shoe Mold Manufacturing | Prototyping | Architecture | Sculpture | Medical

Dental | Military | Automotive | Animation | Electronics

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◆ Technical Data

Max Printing Size	600*600*400mm
Machine Size	118cm(W)*129cm(D)*217cm(H)
Rated Power Consumption	1.5KVA
Machine Weight	990kg
First Tank Resin	225kg
Beam Size (diameter @1/e²)	0.08-0.8mm(Variable beam sizes)
Max Scanning Speed	15.0m/s
Layer Thickness	0.05mm~0.2mm
Accuracy	±0.1(L≦100mm)； ±0.1%*L(L>100mm)
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	lntelligent 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
lnput Data File Format	STL/SLC
Operating System	Windows 10
Network Type and Protocol	Ethernet，TCP/IP
Electrical Requirement	200-240VAC 50/60Hz,single-phase,10A
Ambient Temperature	20-26°C(72-79F)
Relative Humidity	<40%，non-condensing

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