

LX-6

Industrial VP 3D Printers

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



LX-6

◆ Overview

LX-6 3D Printer offers high-precision VP 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

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|  Shoe Mold Manufacturing |  Prototyping |  Architecture |  Sculpture |  Medical |
|  Dental |  Military |  Automotive |  Animation |  Electronics |

◆ 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	Intelligent position vacuum recoating
Vertical Resolution Ratio	0.0005mm
Repeat Positioning Accuracy	±0.01mm
Motion Control System	Closed-loop
Machine Control Software	NXG3D control software
Input 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
Machine Warranty	1 years (including laser)