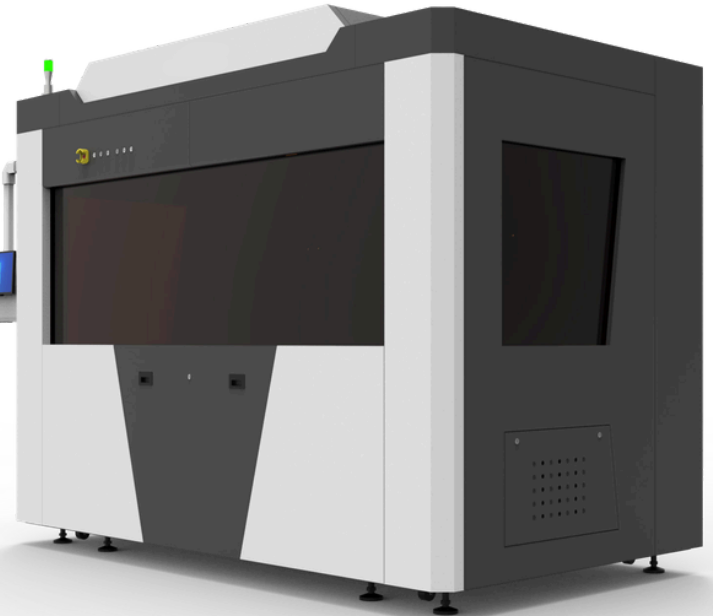
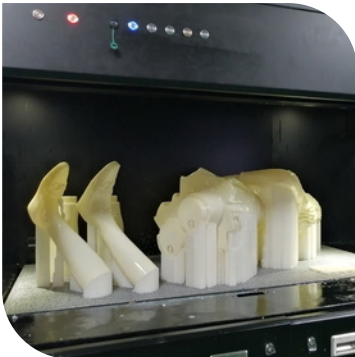
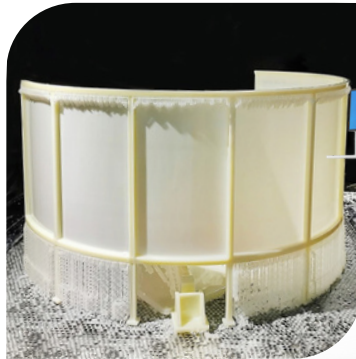


LX-27

Industrial VP 3D Printers

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



LARGE FORMAT VP 3D PRINTER

◆ Overview

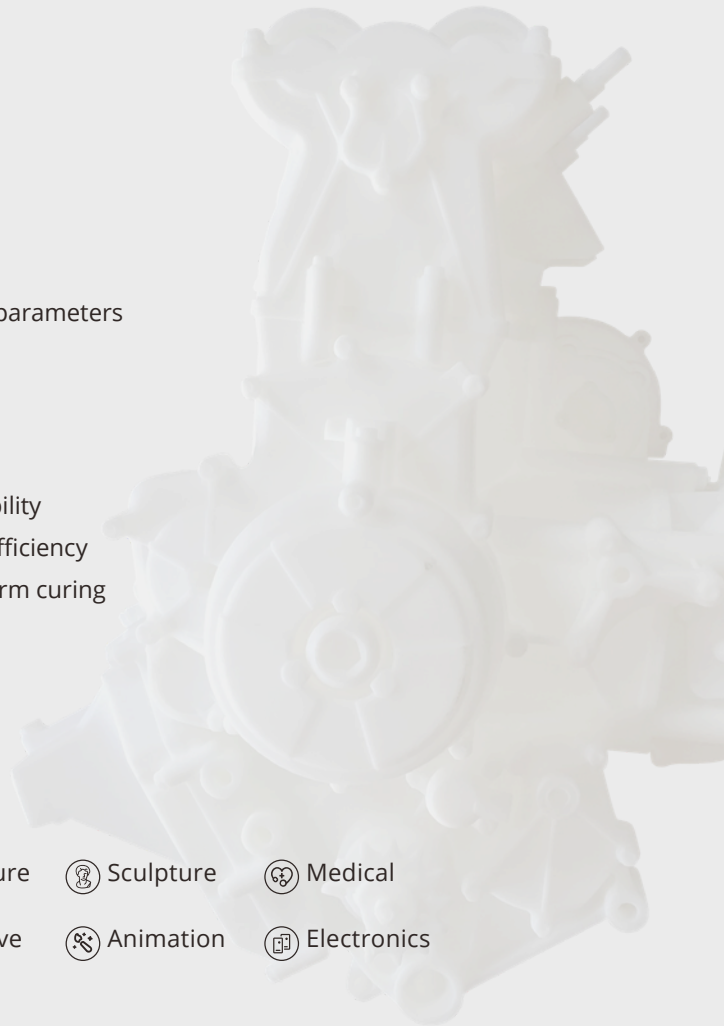
LX-27 sets a new standard in precision 3D printing. Built with a robust marble frame, high-grade ball screw rails, and advanced laser technology, it ensures unparalleled stability and accuracy. Designed for large-scale printing, it features silent motion, laser liquid level detection, and remote monitoring capabilities, ideal for diverse industrial applications with optimized resin materials.

◆ 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 |



LARGE FORMAT VP 3D PRINTER

◆ Technical Data

Max Printing Size	2700*900*800mm
Machine Size	351cm(W)*196cm(D)*273cm(H)
Rated Power Consumption	3.0KVA
Machine Weight	3750kg
First Tank Resin	2650kg
Beam Size (diameter @1/e ²)	0.08-0.8mm(Variable beam sizes)
Max Scanning Speed	15.0m/s
Layer Thickness	0.05mm~0.2mm
Accuracy	±0.15(L≤100mm); ±0.15%*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)