

ZRapid iSLA550 RAPID PROTOTYPING SYSTEM SPECIFICATIONS

Technology: Stereolithography, additive layer manufacturing

Material Class: Photo reactive resin

LASER SYSTEM	
Type	Diode-pumped solid-state laser Nd:YVO4
Wavelength	354.7nm
Laser power	3W
RECOATING SYSTEM	
Process	Intelligent positioning vacuum adsorption coating
Normal build layer thickness	0.1mm
Quick build layer thickness	0.125mm
Precise build layer thickness	0.075mm
Special build layer thickness	0.05-0.15mm
OPTICAL & SCANNING	
Beam (diameterΦ)	0.10-0.50mm
Focus Style	Galvanometer scanning
Part drawing speed	Recommended 6.0m/s
Beam jump speed	Recommended 10.0m/s
Reference build weight	50-140g/h
ELEVATOR	
Platform	Marble platform
Repeated positioning accuracy	± 0.01mm
Max build weight	60kg
RESIN VAT	
Volume	Approx. 146.0L (170kg)
Build envelope:	500mm(X)*500mm(Y)*400mm(Z)
SOFTWARE	
Operating system	Windows 7, Ethernet, TCP/IP IEEE802.3
Control software	iSLA (ZERO 5.0) build software
Date Preparation Software	3dLayer
Data interface	CLI file, SLC file, STL file
INSTALLATION CONDITION	
Power	200-240VAC 50/60Hz, single phase, 5/10Amps
Ambient temperature	20-26°C
Relative humidity	Less than 40%, non-condensing
Size	1.45m(W)×1.05m(D)×1.85m(H)
Weight	Approx. 820kg
WARRANTY	
Laser	5000 hours or 12months (whichever comes first)
Main machine	One year from installation date