

ZRapid iSLA880 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
Power at vat at 5000 hours	500mW
RECOATING SYSTEM	
Process	Intelligent reduced vacuum press recoater
Normal build style	0.1mm
Quick build style	0.1-0.15mm
Precision build style	0.05-0.1mm
OPTICAL & SCANNING	
Beam (diameterΦ)	0.10-0.16mm
Focus style	Galvanometer scanning
Part drawing speed	Recommended 6.0m/s
Beam jump speed	Recommended 10.0m/s
Reference build weight	100-230g/h
ELEVATOR	
Position repeatability	±0.01mm
Elevator motor	High accuracy servo motor
Platform	Marble platform
RESIN VAT	
Volume	Approx. 350.0L @400mm Z axis
Build envelope: XY axes	800mm(X)*800mm(Y)
Build envelope: Z axis	400mm
Max build weight	100Kg @400mm Z axis
Resin heated style	Precision resistor heater
SOFTWARE	
Network	Ethernet,TCP/IP IEEE802.3
Control software	iSLA (ZERO 5.0) build software
Date Preparation Software	3dMagics
Data interface	CLI file, SLC file, STL file
INSTALLATION CONDITION	
Power	200-240VAC 50/60Hz, single phase, 5/20Amps
Ambient temperature	20-26°C
Relative humidity	Less than 40%, non-condensing
Size	1.46m(W)×1.37m(D)×2.20m(H) (Not include the computer)
Weight	Approx. 1300kg
WARRANTY	
Laser	5000 hours or 12months (whichever comes first)
Main machine	Two (2) years from installation date