

# Z Rapid SLA200 RAPID 3D Printer

## Specifications

Technology: Stereo lithography, additive layer manufacturing

Material Class: Photo reactive resin

LASER SYSTEM	
Type	Diode-pumped solid-state laser Nd:YVO <sub>4</sub>
Wavelength	354.7nm
Power at vat at 5000 hours	300mW
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 (diameter@1/e <sup>2</sup> )	0.08-0.12mm
Focus style	ScanLab
Part drawing speed	Recommended 6.0m/s
Beam jump speed	Recommended 10.0m/s
Reference Build Weight	30 ~ 60g/h
ELEVATOR	
Vertical resolution	0.0002mm
Position repeatability	± 0.01mm
Maximum part weight	10kg
RESIN VAT	
Volume	Approx. 10.0L (15kg), removable resin vat
Build envelope : XY axes	200mm(X)×160mm(Y)
Build envelope : Z axis	150mm(standard);50mm/200mm (customized)
Resin heated style	Hot air
SOFTWARE	
Operating system	Windows 7, Ethernet, IEEE802.3
Data interface	SLC file, CLI file
Build software	ZERO 4.0 build software
CAD interface	3D design software, STL file format
INSTALLATION CONDITION	
Power	200-240VAC 50/60Hz, single phase, 5Amps
Ambient temperature	20-26° C
Relative humidity	Less than 40%, non-condensing
Size	0.85m(W)×0.71m(D)×1.05m(H)
Weight	Approx.200kg
WARRANTY (Terms & conditions apply)	
Laser	5000 hours or 12months (whichever comes first)
Main machine	One (1) year from installation date