

# Z Rapid SLA450 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	350mW
Power auto-adjustment	Optional
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> )	0.10-0.15mm
Focus style	ScanLab
Part drawing speed	Recommended 6.0m/s
Beam jump speed	Recommended 10.0m/s
Reference Build Weight	60 ~ 100g/hr
ELEVATOR	
Vertical resolution	0.0002mm
Position repeatability	±0.01mm
Maximum part weight	50kg
RESIN VAT	
Volume	Approx.95.0L (110kg)
Maximum build box	450mm(X)×450mm(Y)×300mm/350mm(Z)
Resin heated style	Hot air
SOFTWARE	
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, 10Amps
Ambient temperature	20-26° C
Built-in air condition	Optional
Relative humidity	Less than 40%, non-condensing
Size	1.42m(W)×1.03m(D)×1.85m(H)
Weight	Approx. 820kg
WARRANTY (Terms & conditions apply)	
Laser	5000 hours or 12months (whichever comes first)
Main machine	One (1) year from installation date