

## ZRapid SLA1100

Technology type: laser curing molding, layered

manufacturing Material type: photosensitive resin - ZR680 (fine white), ZR710 (tough white), ZR820 (high transparency), realABS (tough yellow), redWood (daimu red)

<p><b>laser system</b></p> <p>LASER SYSTEM</p>	<p>Laser type: diode-pumped solid-state laser Nd:YVO4</p> <p>wavelength: 354.7nm</p> <p>Laser power: 1000mW / 3000mW</p>
<p><b>recoating system</b></p> <p>RECOATING SYSTEM</p>	<p>Coating method: intelligent positioning - vacuum adsorption coating</p> <p>Normal layer thickness: 0.1mm</p> <p>Rapid production layer thickness: 0.1~0.15mm</p> <p>Precise production layer thickness: 0.05~0.1mm</p>
<p><b>optical scanning system</b></p> <p>OPTICAL&amp;SCANNING</p>	<p>Spot (diameter@1/e2): 0.10~0.16mm (Normal), 0.10~0.50mm (Super)</p> <p>Scanning mirror: High-speed scanning mirror</p> <p>Part scanning speed: 6.0m/s (recommended)</p> <p>Part jumping speed: 10.0m/s (recommended)</p> <p>Reference production speed: 100~230g/h (super), 200~450g/h (super x2 / double vibrating mirror)</p>
<p><b>lifting system</b></p> <p>ELEVATOR</p>	<p>Lifting motor: high precision servo motor</p> <p>Repeat positioning accuracy: ±0.01mm</p> <p>Benchmark Platform: Marble Benchmark Platform</p>
<p><b>resin tank</b></p> <p>RESIN VAT</p>	<p>Standard volume: 825L @600mm(Z)</p> <p>XY production platform: 1000mm(X)×1000mm(Y)</p> <p>Z axis: 600mm(standard) / 500mm(customized) / 400mm(customized)</p> <p>Maximum part weight: 150kg @600mm(Z)</p> <p>Resin heating method: precision resistance wire heating</p> <p>Photosensitive resin: ZR680 (fine white), ZR710 (tough white), ZR820 (high transparency), RealABS (tough yellow), RedWood (on behalf of wood red)</p>
<p><b>Software Environment</b></p> <p>SOFTWARE</p>	<p>Network type: Ethernet, TCP/IP, IEEE802.3</p> <p>Control software: iSLA (ZERO 5.0) production software</p> <p>Preprocessing software: 3dMagics</p> <p>Data interface: CLI file, SLC file, STL file</p>
<p><b>installation conditions</b></p> <p>INSTALLATION CONDITION</p>	<p>Power supply: 200~240VAC 50/60Hz, single phase, 5/17Amps Ambient temperature: 20~26°C</p> <p>Relative humidity: less than 40%, no frost</p> <p>Equipment size: 1.60m(W)×1.90m(D)×2.30m(H) (excluding operating computer)</p> <p>Equipment weight: about 1800kg</p>
<p><b>Warranty</b></p> <p>WARRANTY</p>	<p>Laser: 5000 hours or 12 months (whichever occurs first)</p> <p>Complete machine: 12 months from date of installation</p>



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