**ZRapid iSLA1600D RAPID PROTOTYPING SYSTEM SPECIFICATIONS**

Technology: Stereolithography, additive layer manufacturing

Material Class: Photo reactive resin

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| 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) | 0.10-0.15mm(Normal) 0.10-0.50mm(Dynamic focusing) |
| Focus style | High speed galvanometer scanning |
| Part drawing speed | Recommended 0-25.0m/s |
| Beam jump speed | Recommended 40.0m/s |
| Reference build weight | 200-450g/h (Super X 2 galvanometer scanning) |
| ELEVATOR |
| Position repeatability | ±0.01mm |
| Elevator motor | High accuaracy servo motor |
| Platform | Marble platform |
| RESIN VAT |
| Volume | Approx. 1210.0L (1400kg)@500mm Z axis |
| Build envelope: XY axes | 1600mm(X)\*800mm(Y) |
| Build envelope: Z axis | 500mm |
| Max build weight | 150Kg @500mm 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, 5/15Amps |
| Ambient temperature | 20-26ºC |
| Relative humidity | Less than 40%, non-condesing |
| Size | 2.52m(W)×1.65m(D)×2.33m(H) (Not include the external computer) |
| Weight | Approx. 2000kg |
| WARRANTY |
| Laser | 5000 hours or 12months (whichever comes first) |
| Main machine | Two (2) years from installation date |