**ZRapid iSLA880 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) | 0.10-0.16mm |
| 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 accuaracy 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 | 20-26ºC |
| Relative humidity | Less than 40%, non-condesing |
| 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 |