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BEYOND DIMENSIONS

Vistar (Xiamen) Industries Co., Ltd.

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Stereolithography 3D Printer

SLA600E-DLC

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SLA600E-DLC Technical Data Sheet

Model	SLA600E-DLC
Type of laser spot	Stereolithography
Type of resin	Photopolymer resin
LASER SYSTEM	
Scanner Brand	German scanlab high speed Scanner
Laser Brand	Inngu/Bellin (Non-acceptance of requirement)
Type of Laser	Diode-pumped solid-state laser Nd:YVO_4
The wavelength of ultraviolet light	354.7nm
Power	3W
RECOATING SYSTEM	
Process	Intelligent reduced vacuum press recoater
Normal layer thickness	0.1mm
Rapid production layer thickness	0.125mm
Precision production layer thickness	0.075mm
Special production layer thickness	0.05mm~0.20mm Optional
OPTICAL & SCANNING	
Beam (Diameter@1/e^2)	the diameter of fixed spot: 0.08mm-0.15m the diameter of variable spot: Samll spot: 0.08mm-0.15m ; Large spot: 0.45mm
Scanner	a high speed Scanner(Single Scanner)
Scanning Speed	6.0m/s(Recommended) 10.0m/s(Maximun)
Reference weight (It depends on the complexity of the model)	75-180g/h
PRECISION	
Z axis repeat positioning accuracy	±0.01mm
molding precision	Accuracy may vary depending on parameters, part geometry/size, pretreatment / post-treatment, material, and environment
RESIN VAT	
First Vat(weight),Actual weight is calculated according to the actual density of the material	218.5L (250kg)
Build Size (xyz)1	600mm(X)×600mm(Y)×150mm(Z)
Resin heating mode	Thermal Conduction Heating
Intelligent Function Customization	
automatic door	none
automatic filling	External filling box
Remote control system	customizable
Automatic laser window locking	none
Remote Wechat system	YES

SOFTWARE	
Control system(upgrade)	Sirius
CAD Interface	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, MJPDDD, 3DPRINT, BFF, IGES, IGS, STEP and STP
Operating Software	Sirius Intelligent Printing Control Software Linux / Windows (Optional)
Resin database	contain
Printing mold	Precision,Standard,Speed
Variable laser power control function	YES
Network types and protocols	Ethernet，TCP/IP，IEEE802.3
INSTALLATION CONDITION	
Power Requirements	200 - 240 VAC 50 / 60 Hz 16A (Available according to local voltage standard)
Power consumption	7W
Ambient Temperature	22-25℃(71.6-77°F)
Relative Humidity	Less than 40%
Machine Size	1.452(W)×1.18m(D)×2.01m(H)(57.17×46.46×79.13 in)
WARRANTY	
Laser	5000 hours or 12 months (whichever comes first)
Main Machine	1 year from installation
Certification	FCC、CE、ISO9001

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