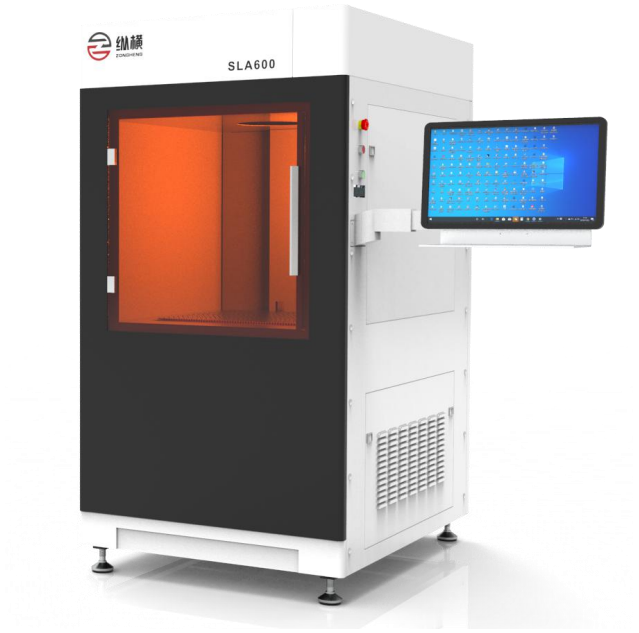
SUPER MAKER
纵横三维

SUPER MAKER-SLA600

Quasi-Industrial Grade 3D Printer



Advantages:

1. Using SLA molding process, the printing process is stable, achieving industrial-grade printing speed and quality.
2. Compared with SLA equipment with the same forming size, the overall dimensions of this equipment is smaller.
3. There is no need to configure additional humidity control equipment such as dehumidifiers, which saves production costs.
4. It is easy to disassemble, and the resin tank can be replaced as needed.
5. With stainless steel mesh forming platform, the printed work piece is easy to peel off and easy to clean.

Control System

The use of intelligent control methods improves the efficiency, stability and expansibility of the control system.

Optical system

Stable and reliable optical component layout, closed design, can reduce external interference and pollution.

Highly automated

The process is fully automatic, without manual intervention, and can basically realize unattended production. Automatic control system, negative pressure suction scraper, automatic control/adjustment of liquid level, one-key start

Recommended Applications:

·Electronics and electrical appliances·Auxiliary medical care·Hand board manufacturing·Architectural design·Cultural creativity·Toy animation·Jewelry

Application overview:

The ZH-SLA series of products are a series of products developed and produced by Zongheng for industrial applications. Its characteristics are high precision and fast printing speed. The current applications include: prototype manufacturing, electronic appliances, automobile manufacturing, aerospace, and architectural design. ,Toys and animation, cultural creativity, precision casting, auxiliary medical care and other fields. The emergence of 3D printing technology has brought shortcuts to manufacturing. Through 3D printing rapid prototyping, R&D engineers can quickly convert the three-dimensional model data designed by the computer into a real object. This process is ten times faster than using traditional production methods. 3D printing technology is mainly used for product proofing at the stage of product development, such as appearance verification, assembly verification, production process, and small batch production, which has reduced the cost of molds, shortened the time for production and accelerated the pace of new product launches in the entire manufacturing process.

Device Configuration Parameters:

Laser	Diode Pumped Solid State UV Laser	**Vertical repeatability positioning accuracy**	±0.002mm
Wavelength	355nm	**Horizontal repeatability positioning accuracy**	±0.001mm
Average Power	3W	**Maximum Printing Weight**	70kg
Coating	Automatic vacuum adsorption coating	**Operating System**	Win7（32bit）
Layer height	0.05-0.2mm	**Control Software**	ZH6.0
Recommended	0.1mm	**Import Format**	SLC

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Layer height			
Resin tank Volume	180L About 225Kg	**Beam point diameter**	0.12-0.6mm
Maximum Printing Size	600×600×400mm(Could be modify）	**Recommended Scan Speed**	6000mm/s
Reference building weight	50-180g/h	**Recommended travel Speed**	1200mm/s
Power supply	220V/50Hz	**Workplace Temperature**	**20-28**℃
Workplace humidity	**＜40%**	**Size of machine（W*D*H）**	0.99m*1.30m*1.85m
Internet	Ethernet	**Weight of machine**	**About 860kg（ Resin not include）**
		Recommended Workplace（W*D*H）	≥4m*4m*2.8m
Printing accuracy	Your designning size :L： if the printing size <100mm：L±0.1mm if the printing size≥100mm：L±0.1%×L **Accuracy of the part depends on many factors such as parameters, part geometry, size, material and environment）**		