

SUPER MAKER
纵横三维

SUPER MAKER-SLA300

Quasi-Industrial Grade 3D Printer



Advantages:

1. Using SLA molding process, the printing process is stable, achieving industrial-grade printing speed and quality.

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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:

Product Model	Super Maker SLA-300
3D Technology	Stereo lithography Appearance
Package Size	544*634*1555mm
Gross Weight	Around 95kg (Without the materials)
Laser	Solid-state laser, laser wavelength 405nm, laser power 300mw, pulse frequency: 30~100KHz
Galvanometer	SCANLAB (Imported from Germany)
Spot Size	<0.2mm; Between 0.1mm to 0.2mm
Scanning mode	Galvo scanning, dynamic focus
Scraper	Vacuum suction scraper
Scanning Speed	Max 5000mm/s
Liquid level detection system	Laser level sensor
Material	405nm photosensitive resin materials
Forming space	300mm×300mm×300mm
Divided into layer thickness	0.05mm—0.15mm
Forming speed	MAX 120g/h
Resin Tank	Replaceable and upgrade-able
Power Supply	220V, 50HZ
Rated Input Power	2.5KVA
Operating system	windows 7
Network type and protocol	Ethernet, TCP/IP
Data interface	slc
Forming accuracy	Part size <100mm: L±0.1mm Part size ≥100mm: L±0.1%×L
Remark	1. 120g/h is the maximum molding speed, the actual molding speed varies with the structure, quantity and placement of the parts; 2. slc is a layered data format.