



# SUPER MAKER SLA600

Industrial SLA  
3D printer

Break through limitations

Reconstruction imagination

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Contribute to the rise of China's manufacturing industry

**SUPER MAKER**

INDUSTRIAL SLA 3D PRINTER

# SLA600

INDUSTRIAL GRADE  
SLA 3D PRINTER

SLA600 printer are an industrial application product developed and produced by Zongheng3d. It is characterized by high integration and fast printing speed.

Through 3D printing and rapid prototyping, R&D engineers can quickly convert the 3D model data designed by computer into real objects.

This process is ten times faster than using traditional production methods.



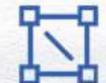
  
CUSTOMIZABLE  
CAMERA

  
FAST SCANNING  
SPEED

  
HIGH PRINTING  
ACCURACY

  
WIDE APPLICATION  
RANGE

  
LOWER  
COST

  
SMALL  
FOOTPRINT

## FOCUS ON 3D PRINTER DEVELOPMENT AND MANUFACTURING



- The laser power is within  $\pm 3W$  for 8 hours
- Precise control of laser using automatic calibration method
- Platform for easy installation and disassembly
- Replaceable cart resin cylinder type (optional configuration)
- Remote control system can realize remote control and order processing (optional configuration)
- The main components are composed of top brands - imported laser, SCANLAB and Japan

Product Model	Super Maker SLA-600
Laser type	Pulse, UV, all solid state laser
wavelength	355NM
laser power	3W
Coating method	Automatic vacuum adsorption coating
Print layer thickness	0.05-0.2MM
Import file format	SLC
Material volume	180L, about 225kg
Spot diameter	0.12-0.6MM
operating system	Win7 (32-bit)
Operating software	ZH6.0
Equipment weight	About 860kg (excluding materials)
Network type	Ethernet
Vertical repeat positioning accuracy	$\pm 0.002MM$
Horizontal repeat positioning accuracy	$\pm 0.001MM$
Maximum crafted part weight	70KG
Reference fabrication weight	50-180G/H
Power supply parameters	220V/50HZ
Recommended print layer thickness	0.1MM
Maximum forming volume	600×600×400mm(customizable)
Recommended part scanning speed	6000MM/S
Part jumping speed recommendation	1200MM/S
Working ambient temperature	20-28°C
Equipment size (W * D * H)	0.99M*1.30M*1.85M
Relative humidity of working environment	<40%
Site requirements (W * D * H)	$\geq 4M*4M*2.8M$

## APPEARANCE REFERENCE



Unit: MM  
weight: ≈ 860KG

## PRODUCT ADVANTAGES

Save materials without removing surplus materials, improve the utilization rate of materials, and reduce costs through waste production lines.

It can achieve high precision and high complexity, and can manufacture very complex parts that cannot be manufactured by traditional methods.

3D printing does not need a centralized and fixed production workshop, and has the characteristics of distributed production.

It can automatically, quickly, directly and accurately convert the three-dimensional design in the computer into physical models, and even directly manufacture parts or molds, so as to effectively shorten the product R & D cycle



MILITARY INDUSTRY



CERAMIC DECORATION



MEDICAL EQUIPMENT



MOVIE INDUSTRY



ART-WORK INDUSTRY



DENTAL INDUSTRY

## WIDE APPLICATION FIELDS

- Prototype manufacturing
- Automobile manufacturing
- Toys and animation
- Electronic appliances
- Aerospace
- Medical assistance
- Precision casting
- Architectural design
- Cultural creativity.....



### ARCHITECTURAL DESIGN

Provide Mini room model for real estate companies to complete the architectural layout faster



### DENTAL MOLD DESIGN

Quickly specify the treatment plan for dentists and shorten the treatment cycle



### ELECTRONIC PARTS

Support batch mold opening and save mold development cost



### MILITARY FIREARMS

Provide military enthusiasts with fast and fine model printing to meet daily needs



### HOME DECORATION

Provide product proofing templates for furniture companies



### AUTO PARTS

Provide models for the automotive industry and accelerate the progress of product research and development

## ADVANTAGES



### 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



#### VARIABLE SPOT

The spot size can be adjusted arbitrarily according to the model



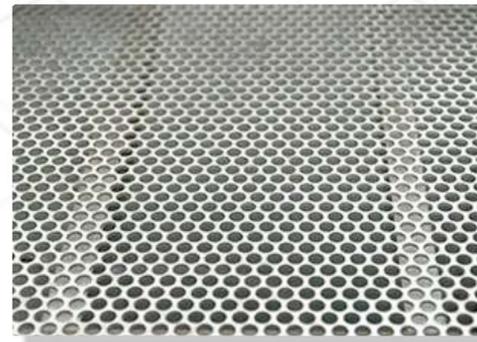
#### CANTILEVER

The suspension beam can rotate at multiple angles



#### LARGE SCREEN-19 INCH

19 inch large screen, more convenient operation



#### SPECIAL MESH PLATE

Printed models are easy to disassemble



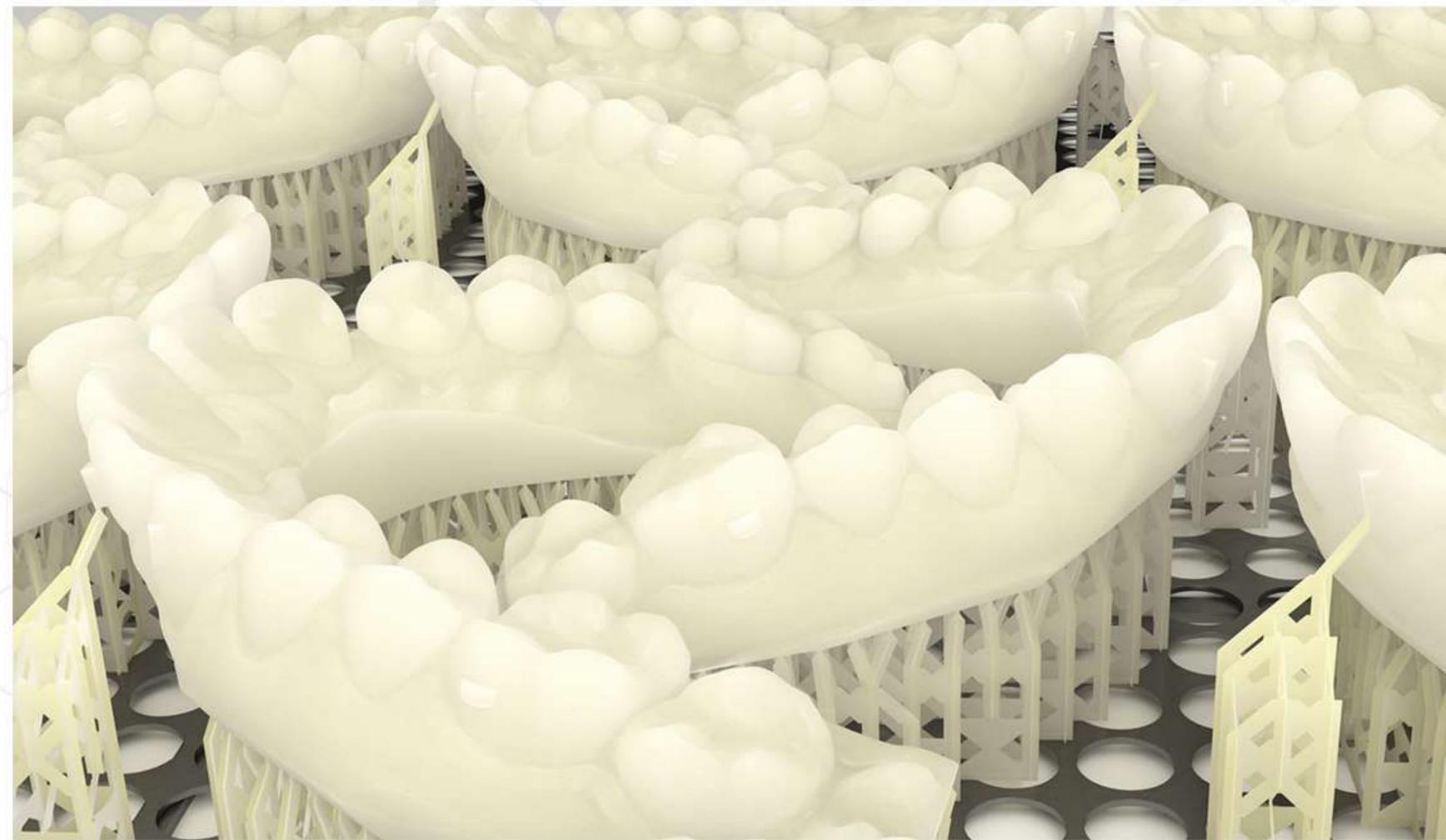
#### VACUUM ADSORPTION

Scraper vacuum adsorption, strong stability

- The advanced scanning system can still maintain stable performance after continuous operation for more than 100 hours
- The floor and elevator frame are made of marble to minimize the impact of the external environment
- Closed loop control strategy for maintaining the accuracy and stability of laser power control, resin liquid level control and resin coating vacuum control

## PROFESSIONAL PRINTING PROCESS

- The printing process is automatic
- Print a variety of personalized models in small batch to save the development cost of molds
- Support multiple different models to print at the same time, greatly reducing the printing time
- The printing mode can reduce the production cost and even the batch assembly mode.



01

Import slicing software processing model

(File format: STL)

02

Import device computer

(Support remote transmission)  
(Support USB flash disk import)

03

Start printing

(Wait for printing to complete)

04

Remove the bottom support of the model

05

Ultrasonic cleaning model

06

Put it into the curing box and cure it with ultraviolet light

07

Sand the surface of the model with sandpaper

### Professional slicing software: VOXELDANCE ADDITIVE

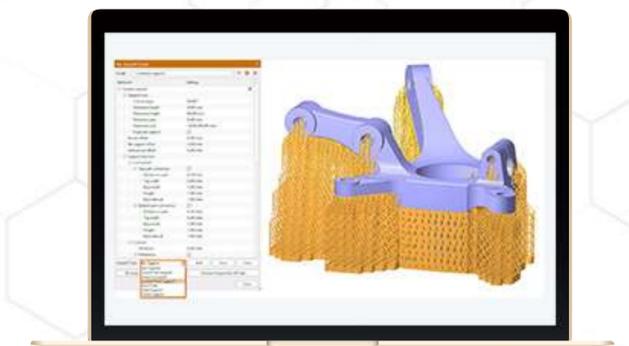
Fully compatible with a variety of 3D software (export STL format), simple interface and easy operation



### UNIQUE FUNCTION

One click to generate professional support, which can be added or deleted manually

Built in a variety of consumables, the best printing parameters, perfect printing effect



## COMPANY INTRODUCTION



## EXHIBITION

Professional team and standardized production process



Warehouse

Testing Room



E-commerce Department



assemblage



Showroom

## CERTIFICATION

Authoritative certification and quality assurance

### ZONGHENG ADDITIVE INTELLIGENT TECHNOLOGY(ZHUHAI) CO.,LTD

step bu step reach thousand miles

Zongheng additive Intelligent Technology (Zhuhai) Co., Ltd. was founded in November 2017. The company has been at the forefront of innovation in the 3D printing industry from R & D and manufacturing, updating and iterating its application with various industry fields. Zongheng additive Intelligent Technology Development Co., Ltd. has a technology department, engineering department and business Department, with strong design, R & D and production capacity, and can provide customers with comprehensive services such as printing scheme, machine customization and technical support.

The 3D printer and supporting software produced by Zongheng additive company are independently developed by our company. It has a 3D printing equipment and raw material R&D and manufacturing base and a professional customized 3D printing service organization. The company has been committed to the market-oriented application of 3D printers, providing individuals, schools and enterprises with efficient and affordable 3D printing comprehensive solutions to meet the requirements of each creativity for efficiency, quality and rapid prototyping. Headquartered in the beautiful coastal city of Zhuhai, the company has many offices in Chongqing, Wuhan, Beijing, Guangzhou and other places, and cooperates with many colleges and universities to establish production,



# PERFECT AFTER-SALES SERVICE SYSTEM

## INSTALLATION TRAINING SERVICES

 Installation services

Remote Installation Service

 Professional software and practical training

3D printer operation tutorial  
3D printing software operation tutorial



Accessory List.jpg



Step1-Unbox .mp4



Step2-Install the laser and Debug.mp4



Step3-Debug the level.mp4



Step4-Debug the Size.mp4



Step5-F&Q.mp4

A series of installation instructional video.

## After sales service system

 Provide 7 \* 12 hour online technical support services

 Free product fault detection

 Free upgrade and verification of product software faults

 The designated after-sales personnel of each equipment shall follow up the whole process

 Provide one-year warranty from the date of delivery



REMOTE&ON-LINE SERVICE