

3D Printing

Superb Electromachinery Co., Limited



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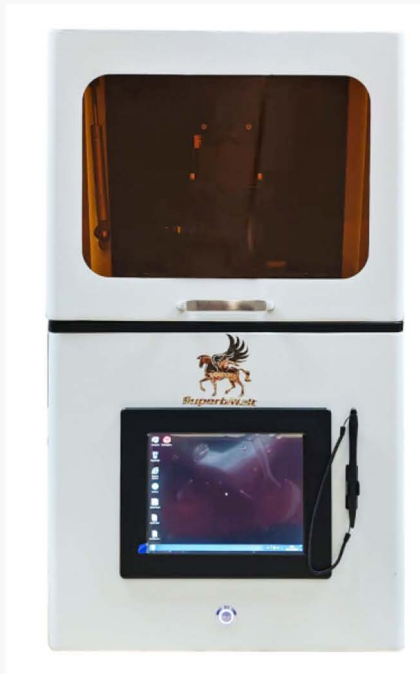


Jewelry Resin 3D Printers

Description

3D resin printer is used for printing jewelry wax molds of castable and non castable materials.

SuperbMelt 3D resin printer subverts many complicated processes in the production process of the traditional manufacturing and processing industry, and directly manufactures complex structures.



Finished Products



Parameter

Model Number	SPB-DLP64	SPB-DLP96	SPB-DLP144
DLP resolution	1280*800	1920*1080	1920*1080
X/Y pixel	50μm	50μm	75μm
Light source	UV LED 405nm Texas Instruments DMD chip	UV LED 405nm Texas Instruments DMD chip	UV LED 405nm Texas Instruments DMD chip
Printing layer thickness	0.025-0.1mm	0.025-0.1mm	0.025-0.1mm
Forming size	64mm*40mm*120mm	96mm*54mm*120mm	144mm*81mm*120mm
Data format	STL/SLC	STL/SLC	STL/SLC
Machine power	240W	260W	300W
Input voltage	110-220VAC 50/60Hz	110-220VAC 50/60Hz	110-220VAC 50/60Hz
Printable Materials	Castable Resin,Ceramic Resin	Castable Resin, Ceramic Resin	Castable Resins, Ceramic Resins, Dental Mould Materials

Jewelry Wax 3D Printers

Description

SuperbMelt white wax printer is used for photosensitive resin with 50% wax content. Due to the high wax content, this machine can be cast directly, and the effect is equivalent to wax.

It can achieve 100% ashless combustion, suitable for precision jewelry design with high detail requirements.



Parameter

Model Number	SPB-HD96W
DLP resolution	1920*1080
X/Y pixel	50µm
Light source	UV LED 405nm Texas Instruments DMD chip
Printing layer thickness	0.025-0.1mm
Forming size	96mm*54mm*120mm
Data format	STL/SLC
Machine power	350W
Input voltage	110-220VAC 50/60Hz
Printable Materials	Pewter Castable Materials



Features

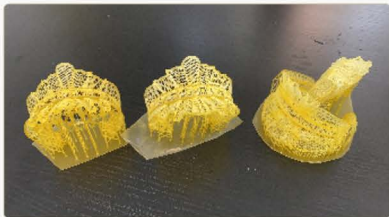
- **100% Lost Wax Casting**
 SuperbMelt 3D wax printers for casting can deliver high resolution and fine detail down to 0.2mm to meet these demanding details.
- **Fast Printing Speed**
 Long-term stable performance to meet mass production The Texas DMD control chip and high-end rail module are used to ensure the accurate operation of the equipment and ensure accuracy and stability. Using the new UV light source, the service life of the light source is more than 20,000 hours.
- **Efficiency and Ease-of-Use**
 SuperbMelt 3D jewelry printers have a simple machine structure, an integrated computer design, easy operation, one-click printing, and material replacement in less than 2 minutes, all of which bring great convenience to customers.

4K Jewelry 3D Printer

Description

The 4k 3D printer realizes the molding of castable and discastable resins, mainly used in jewelry, dentistry, precision parts processing and other industries.

DLP photo-curing printing technology projects product design graphics onto the surface of a special liquid resin through a UV projection device, and solidifies the liquid resin layer by layer under the irradiation of blue light.



Parameter

Model Number	SPB-4K192
DLP resolution	3840*2160 (4K)
X/Y pixel	50μm
Light source	UV LED 405nm Texas Instruments DMD chip
Printing layer thickness	0.025-0.1mm
Forming size	192mm*108mm*120mm
Data format	STL/SLC
Machine power	500W
Input voltage	110-220VAC 50/60Hz
Printable Materials	castable resin, ceramic resin, dental mold resin

Features

- **High Resolution**
 The use of 4K industrial-grade ultra-high-resolution projection optical engine makes the projected image clearer. Its resolution is 3840×2160, so the printing accuracy is also higher.
- **Large Format Print Size**
 The printing layout reaches 192mm*108mm*120mm, and 30-50 models can be formed at a time. Realized mass production, making production more efficient, suitable for medium and large jewelry factories.
- **Swing Trough**
 Every time it is completed, when it rises, the trough will also swing at the same time to assist in the separation of photosensitive resin, which can buffer the stripping process, improve stability, and ensure the quality of the finished product.
- **Remote Monitoring**
 Equipped with a remote monitoring system, you can clearly understand the printing process and status without standing next to the machine during printing.