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3D Printing

Superb Electromachinery Co.,Limited

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SuperbMelt®

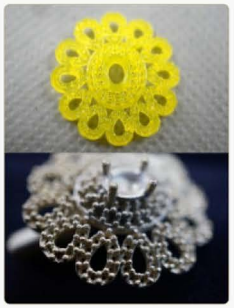
Jewelry Resin 3D Printers

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-J100	SPB-J150
Power source	110/220v 50/60Hz 200w	110/220v 50/60Hz 200w
Build envelope	L108*W60*H120mm	L144*W81*H120mm
Native Pixel	43 μm	56 μm
Resolution	2560*1440	2560*1440
Light Source	Industrial UV LED	Industrial UV LED
Layer thickness	1-50 μm	1-50 μm
Printing speed	10mm/h	10mm/h
File formate	STL/SLC	STL/SLC
Interface	USB	USB
Materials	Resin Wax	Resin Wax
Software	WIN7	WIN7
Dimension	380×380×660mm	380×380×660mm
Weight	35kg	35kg

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	SPB-W100
DLP Resolution	2560*1440
X/Y Pixel	43μm
Light Source	UV LED 405nm Texas
Print Layer Thickness	0.025-0.1mm
Forming Size	108mm*60mm*120mm
Data Format	STL/SLC
Machine Power	1phase 220V,50Hz, 350W
Printing speed	15-28mm/h

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

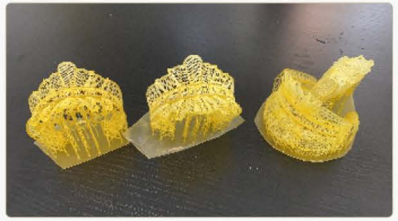
SuperbMelt 3D jewelry printers have a simple machine structure, an integrated computer design, easy operation, one-click printing, and material replacement in less than 2 minutes, all of which bring great convenience to customers.

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-4K200	SPB-4K250	SPB-4K200W	SPB-4K250W
DLP resolution	3840*2160	3840*2160	3840*2160 (4K)	3840*2160 (4K)
Pixel	50um	65um	50μm	65μm
Power	800W	800W	1phase 220V,50Hz, 350W	1phase 220V,50Hz, 350W
Machine size	620mm*620mm*1600mm	620mm*620mm*1600mm	-	-
Layer thickness	-	-	0.025-0.1mm	0.025-0.1mm
Forming size	-	-	192*108*150mm	250*140*150mm
Printing speed	-	-	15-28mm/h	15-28mm/h
File formate	-	-	STL/SLC	STL/SLC
Light Source	-	-	UV LED 405nm Texas Instruments DMD chip	UV LED 405nm Texas Instruments DMD chip
Materials	-	-	Pewter Castable Materials	Pewter Castable Materials

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.