IFUN

Professional jewelry mass production 3D printing solution

广州爱梵得科技有限公司

—— Guangzhou iFun Technology Co.,Ltd ——

3D Printing Solutions for Jewelry Production

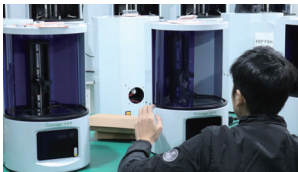**Fast | Stable | Low Cost | Easy Casting**

Casting scheme

We provide a complete application solution, allowing you to easily enter production.

HP-J800

The high-power curing box makes the model more completely cured, which is more conducive to jewelry casting.

After sales

One-on-one after-sales service, irregular courses, easy to get started even for novices.

Jewelry series resin

A variety of professional jewelry casting resins to meet your needs.

Print service

Printing service, you can see the final effect more intuitively.

Applications In Jewelry Field

6+ High Performance Jewelry Materials

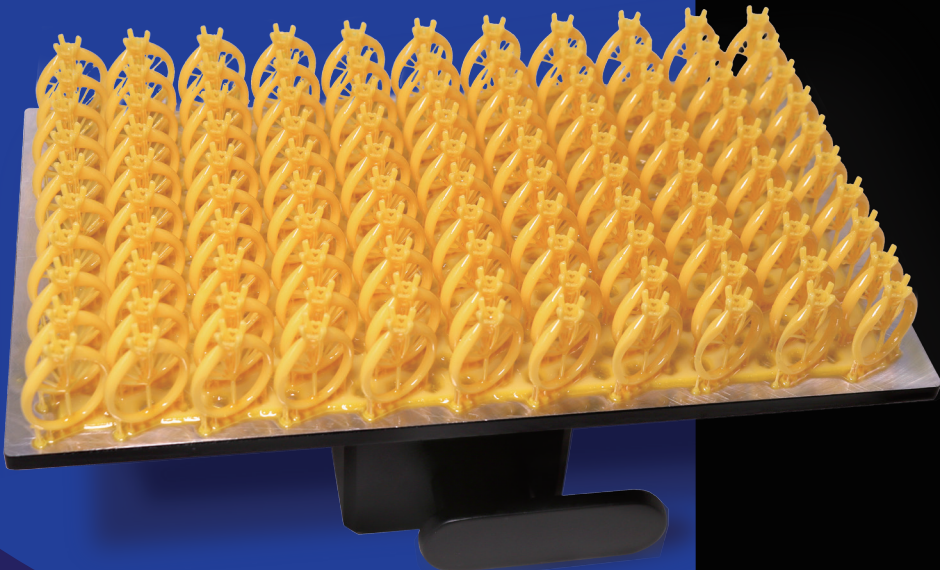- Developed exclusively for printers
- Satisfy most jewelry application development
- Matching materials for different applications

👑 2h30m Print 110 Rings

Our 3D printer offers high-quality printing at a cost-effective price point,achieving high-quality 3D printing at a level of 200K, with low trial and error costs. With print speeds of 10mm/hour, our printer is perfect for small-batch production of customized jewelry.
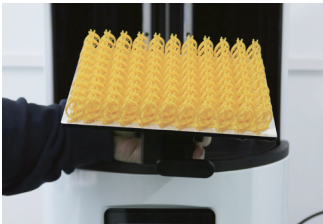
800D White Wax Resin

The iF800D is a breakthrough material for rapid printing of castable models, with a high wax content for easy post processing and lighter finished products.

Easy printing with LCD

Lighter weight

Accurate printing of CAD designs

Support easily removable by hand

Models with intricate details and features

Building flawless castings

800D White Wax Resin

Print time: 3h20min
Height: 25.4mm
Machine: giant 8k
layer thickness: 0.03mm

A high-wax content, high-precision casting resin suitable for high-end jewelry

Product advantages

• Easy printing with LCD
• 60% wax content
• Lighter weight
• Support easily removable by hand
• Models with intricate details and features
• Building flawless castings

Product Data Sheet

content	Data value	testing method
viscosity	260cps(@25℃)	ASTM D1084
density	1.2~1.3g/cm³	ASTM D1875-69
shrinkage	<0.8%	Capillary method
hardness	70A~35D	ASTM D2240-05

300H High Wax Resin
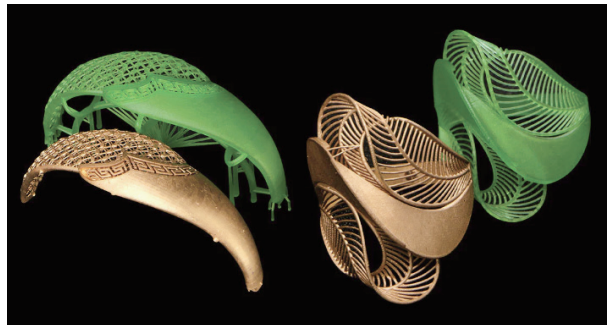
Print time: 4h15min
Height: 35mm
Machine: giant 8k
layer thickness: 0.03mm

A jewelry casting resin with a high wax content of 80%, which is popular in the Middle East jewelry market

Product advantages

• High wax content 80%
• Low shrinkage, dimensionally stable
• Smooth surface, clear sharp corners
• Casting with low thermal expansion
• Simple post-processing
• Suitable for casting gold, silver

Product Data Sheet

content	Data value	testing method
viscosity	290~310cps(@25℃)	ASTM D1084
hardness(D)	30D-40D	ASTM D2240
density	1.1~1.2g/cm³	ASM D1875-69
shrinkage	<0.3%	

3122 Jewelry Casting Resin

Product advantages

- Soft resin that does not crack after secondary curing.
- Contains 30% wax
- Easy to cast and can be used with regular gypsum powder.
- Suitable for models such as chains and inlaid rings.
- Metals that can be cast include gold, silver, and copper.

500B Black Casting Resin

Product advantages

- Clear surface details
- Easy casting, no ash
- Contains 40% wax
- Suitable for printing complex models
- Hot selling in Pakistan jewelry market
- Metals that can be cast include gold, silver, and copper.

3170 Jewelry Casting Resin

Product advantages

- Accurate printing, clear details
- 30% wax content
- Easy casting, ordinary gypsum powder can be used
- Dark resin is easy to observe details
- Casting temperature 800°C
- DLP resin
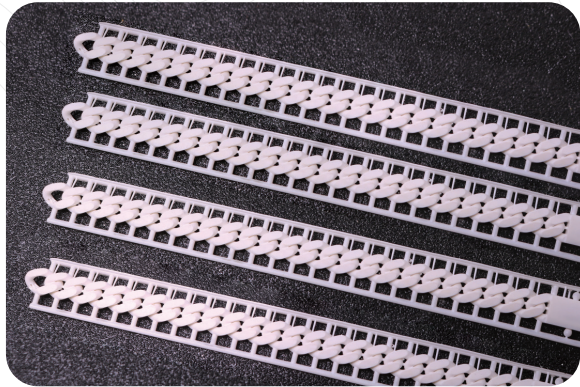
3123 Pressure Casting Resin

Product advantages

- High hardness and heat resistance, preventing cracking and deformation during injection molding.
- Smooth surface for easy mold release
- Ceramic-like surface
- Rapid resin prototyping
- Easy to remove support structures by hand

Giant 8k

Jewelry Large Size HD 3D Printer

Giant 8k machine parameters

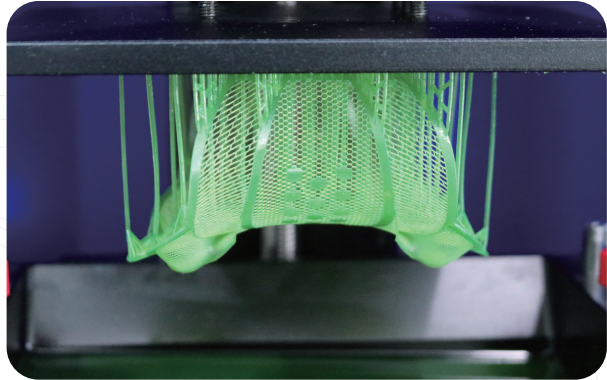|			
Print size	208*128*220mm	Printing speed	50mm/h(max)
Accuracy	±29μm	Resolution	7680*4320(8K)
Screen	5" OLED smart	Wavelength	405mm
Software	ChituBox	Weight	37.5kg
Packing size	58*58*103cm	Packing weight	46.5kg

Product advantages

• High precision with 29μm, greatly meet your demand for quality.

• Thermostatic system allows resin printing without fear of cold winter.

• Quickly and reliably print large object as the most cost-effective small-batch printers.

• Perfectly reproduces the original, creating every detail with precision.

• The low peel strength technology makes it easy to remove the printout from the printing platform and fast to remove the support.

Mini Giant Pro

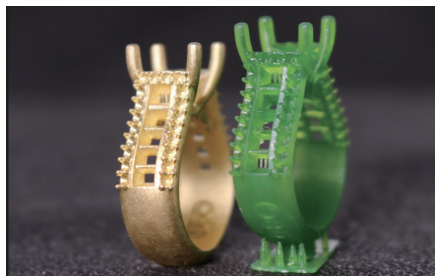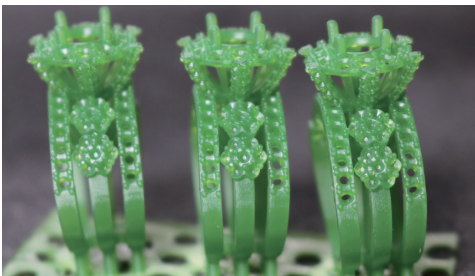Small size fast 3D printer for jewelry

Mini Giant Pro machine parameters

Print size	143*89*150mm	Printing speed	55mm/h(max)
Accuracy	±35μm	Resolution	4098*2560(4K)
Screen	6.6" Mono LCD	Wavelength	405mm
Software	ChituBox	Weight	17kg
Packing size	400*400*580mm	Packing weight	21kg

Product advantages

- The machine adds a heating system, so that the resin's working temperature is under the best molding condition of 25~30℃
- High precision, customized chairside printer, accuracy ±35μm.
- One-stop chairside digital solution helps clinics control costs, expand indications, and optimize chairside processes.
- Plug and play, the mini giant pro comes standard with everything you need to print, including a quick start manual and tools.
- Fast printing, each layer printing time is 5s, the time is 16% faster than DLP machine

Dual mode
Drying
&
Curing

HP-J800 Curing Box

High power, large volume,
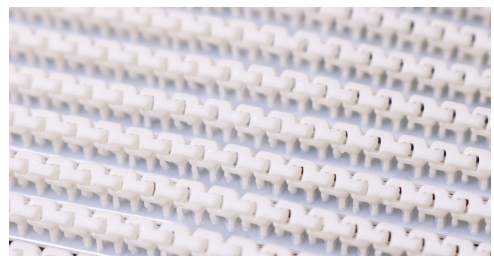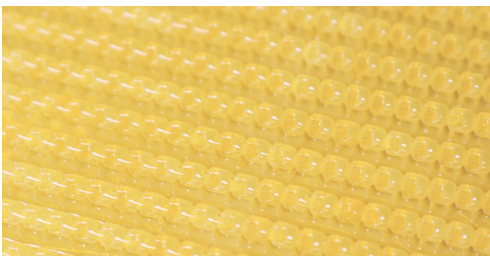suitable for production factories

After printing

After curing

High Power Curing Box

Machine size	400*400*415mm	Curing area	310*358*170mm
Sink size	φ270*126mm	Power supply	220v 50Hz
Curing power	800w	Curing time(MAX)	120min
UV lamp life	1000h	Weight	17kg

Product advantages

- With a solidification power of up to 800 watts, the model can be solidified more completely, which enhances the efficiency and quality of casting.
- Our two curing methods are compatible with a variety of casting resins, including IFUN's White Wax, 3122, and 3170.
- With a drying mode that removes excess moisture from the mold, casting results can be improved.
- Our curing space is large, allowing for efficient batch processing of models, resulting in significant savings in both labor and time costs.

SERVICE AND SUPPORT

Customized Application Solution

iFUN has a very large database, providing you with feasible application solutions. From printing, post-processing to casting, we will help shorten the time of your procurement, production, post-processing and delivery.

One-on-one After-sales Service

We have a professional technical team that can provide efficient after-sales service, which will analyze problems for you one-on-one online, provide professional solutions. We are committed to being online 24 hours and responding within 30 minutes.

Regular Course

The iFUN technical team will regularly upload product teaching videos, such as:How to maintain the machine, how to support different models, how to deal with manage failure models, etc.

Print Test Service

iFUN accepts pre-sale printing service, you can send models to us for testing at any time, ifun engineers will quickly print them out, you can judge whether our products meet your requirements more intuitively in the shortest possible time.

Online **7*24** hours on call

Quick response within **30** minutes

DENTAL RESIN

#iF3160
Dental model
It is used to print orthodontic dental molds, and the data is obtained by scanning.

#iF3161
Gingival gum
For printing elastic prosthetic gums for use with models.

#iF3162
Occlusal splint
Transparent and flexible resin, biocompatible.

#iF3163
Dental casting
For printing cast models such as inlays, crowns, bridges or brackets.

#iF3164
Temporary crown
Biocompatible resin for printing temporary crowns and bridges.

#iF3165
Surgical guide
Biocompatible to assist doctors in improving the precision of implant surgery

#iF3166
Denture base
Biocompatible for printing complete or partial denture bases.

#iF3167
Tray
Biocompatible for printing precise personalized trays.

ABOUT IFUN

iFUN has entered the 3D printing industry since 2015, and is one of the companies that entered the 3D printing industry earlier in China. We are committed to the application of 3D printing in molds, consumer electronics, art design, jewelry, dentistry, education and other industries, providing customers with Provide an overall 3D printing solution. The products developed and produced by Avatar include LCD/DLP light-curing printers and various types of photosensitive resins, including but not limited to rigid resins/high toughness resins/lamination resins/casting resins/washable resins/ABS-like resins/dental Series of resins/transparent resins/elastic resins, etc., rich product lines, high-quality products, and rich industry experience can provide customers with satisfactory services!

After continuous accumulation and precipitation, the company's soft and hard power is gradually increasing, and the brand "iFun" of Avand is increasingly recognized by customers and peers at home and abroad.

In recent years, the company has made qualitative improvements in team building, platform optimization, sales channel construction, product line improvement, and service optimization. At the same time, we are actively expanding the ecological circle of 3D printing, and have established good cooperative relations with the upstream and downstream of the industrial chain. We are members of the "Guangdong Province 3D Printing Innovation Alliance". In the downstream fields such as industry, jewelry, and dentistry, we have accumulated rich experience in solving industry problems, and made more explorations to better apply 3D printing to the downstream!

广州爱梵得科技有限公司

E-mail: ivy@ifun3d.com
whatsapp: +86 15625106951
website: https://ifun3d.com/
Address: Floor 4, Building 2, Mingsheng Industrial Park, Dashi Street, Panyu District, Guangzhou City, Guangdong, China