

# DLP-DM400 Top-down 3D Printer Product Brochure

DLP-DM400  
Top-Down DLP 3D Printer  
Product manual

Focusing on 3D printers  
development and production



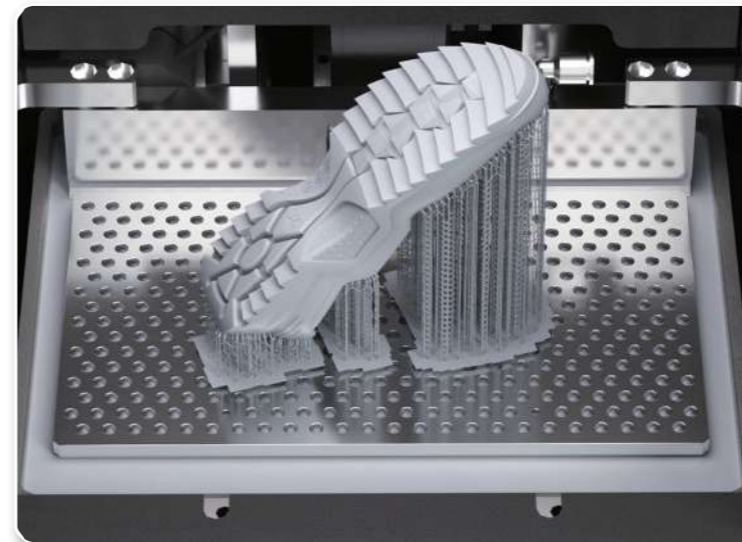
# The most cost-effective Top-Down DLP 3D Printer

DLP-DM400

High-performance industrial 3D printers



Whether it's for personal creativity, education, or business innovation it delivers a precise, reliable, and creative printing experience that meets the the same accuracy and speed requirements for different applications.



## Stable Printing Environment

The printing process is stable and there are no problems such as model dropping  
No need to replace delicate parts such as release liners.



## Thin and easily removable support

Less reliance on supports, which can be very thin and less likely to damage the surface of the model when shovelling

Product Model		DLP-DM400	
<b>Operating system</b>	Zongheng embedded system	<b>Z-axis accuracy</b>	0.002
<b>Operating screen</b>	7.0" resistive screen	<b>Layer thickness</b>	0.03-0.15
<b>Print size</b>	384*216*380MM	<b>Print speed</b>	6-8 seconds per layer
<b>XY Resolution</b>	100um resolution	<b>Power Requirements</b>	220v/50HZ
<b>Skill</b>	Top-Down DLP	<b>Slicing software</b>	Self-developed
<b>Light source</b>	4K, 405 light source DLP	<b>Machine size (L*W*H)</b>	750*700*1600MM
<b>Connection method</b>	USB stick or network cable	<b>Net weight</b>	500KG

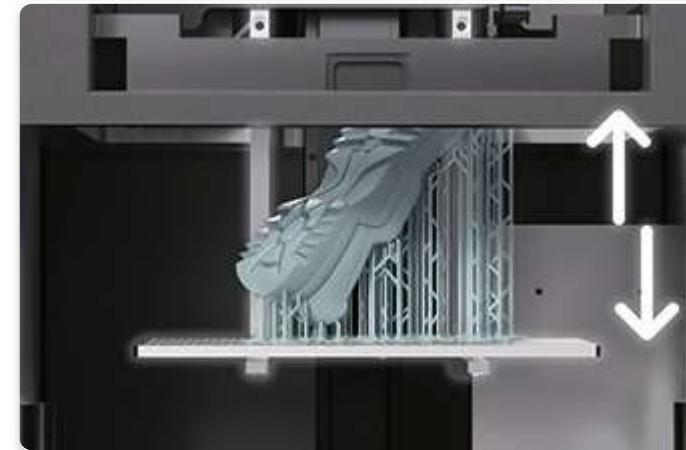
The realm of subtlety, the delicateness

## Precision At Its Best Lifelike

4K printing accuracy for unrivalled precision and texture, where every subtle curve and texture is accurately reproduced. Whether it's jewellery, handcrafted items artwork or industrial parts, DLP 3D printers deliver strikingly fine finished products that meet the accuracy requirements of any environment!

## High-performance industrial printers on the desktop

Whether it is personal creativity, education and teaching, or business innovation, it can provide precision, reliability and creativity. The printing experience meets the same accuracy and speed requirements in different application scenarios.

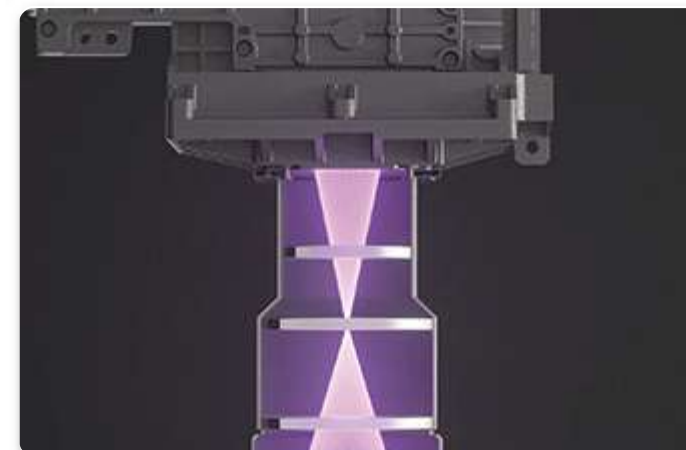


### Top-Down DLP

More stable printing environment reducing the need for support structures for models, Save labor and material costs for subsequent processing, while solving the model Easy to drop the board not easy to get off parts, coarse support and other problems.

### 4K High-Resolution Printing

High-resolution 4K printing enables extremely high precision and detail reproduction. The appearance of the product. From tiny textures to intricate surface details, Every detail is brought to life.



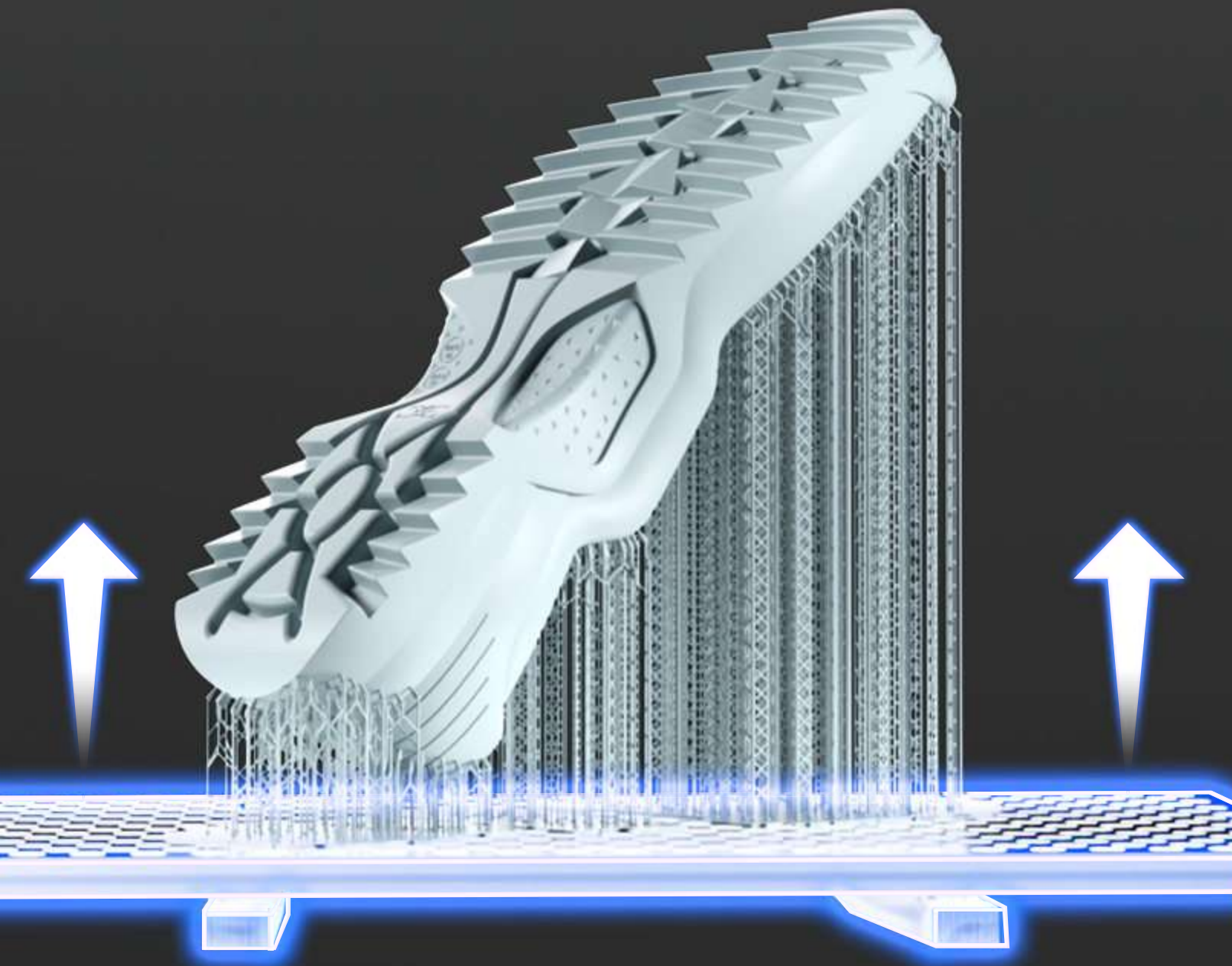
### Large projection area

Larger projection area in its class, capable of reaching the maximum projection size of an optical machine. Pull-up DLP with a much larger working area than other optical machines of the same type.

# Ultra-High Print Success Rate

The printing platform holds the model underneath so there is no need to consider the weight of the model, which greatly improves the success rate of printing.

Stable printing environment



Multiple advantages

Sunken 3D printer

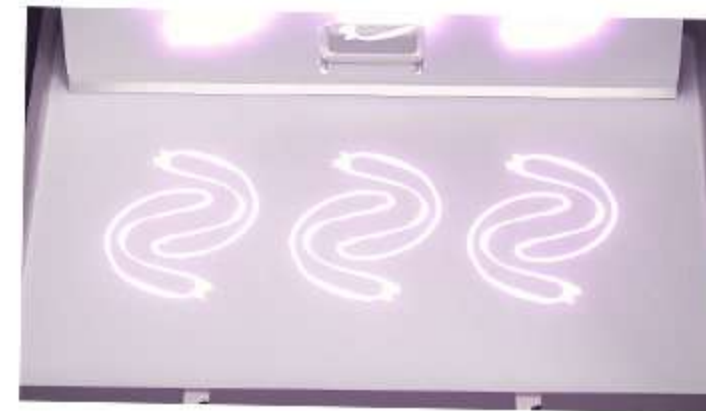
## Focusing on 3D printers development and production

Combined with the user's use of the scene, optimise the structure of the device, each advantage from the user's position of the application to capture and solve the user's use of the process of the operation of the pain points



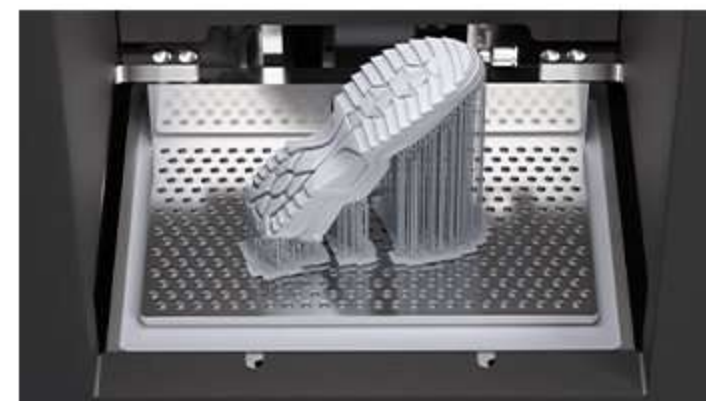
### Thinner Support & Easy to Remove

Less reliance on supports, which can be very thin and less likely to damage the surface of the model when shovelling.



### Extra large print size

Print sizes of up to 384mm can be achieved with drop-down printing technology. Pull-up printing is not possible due to model detachment problems.



### Stable Printing Environment

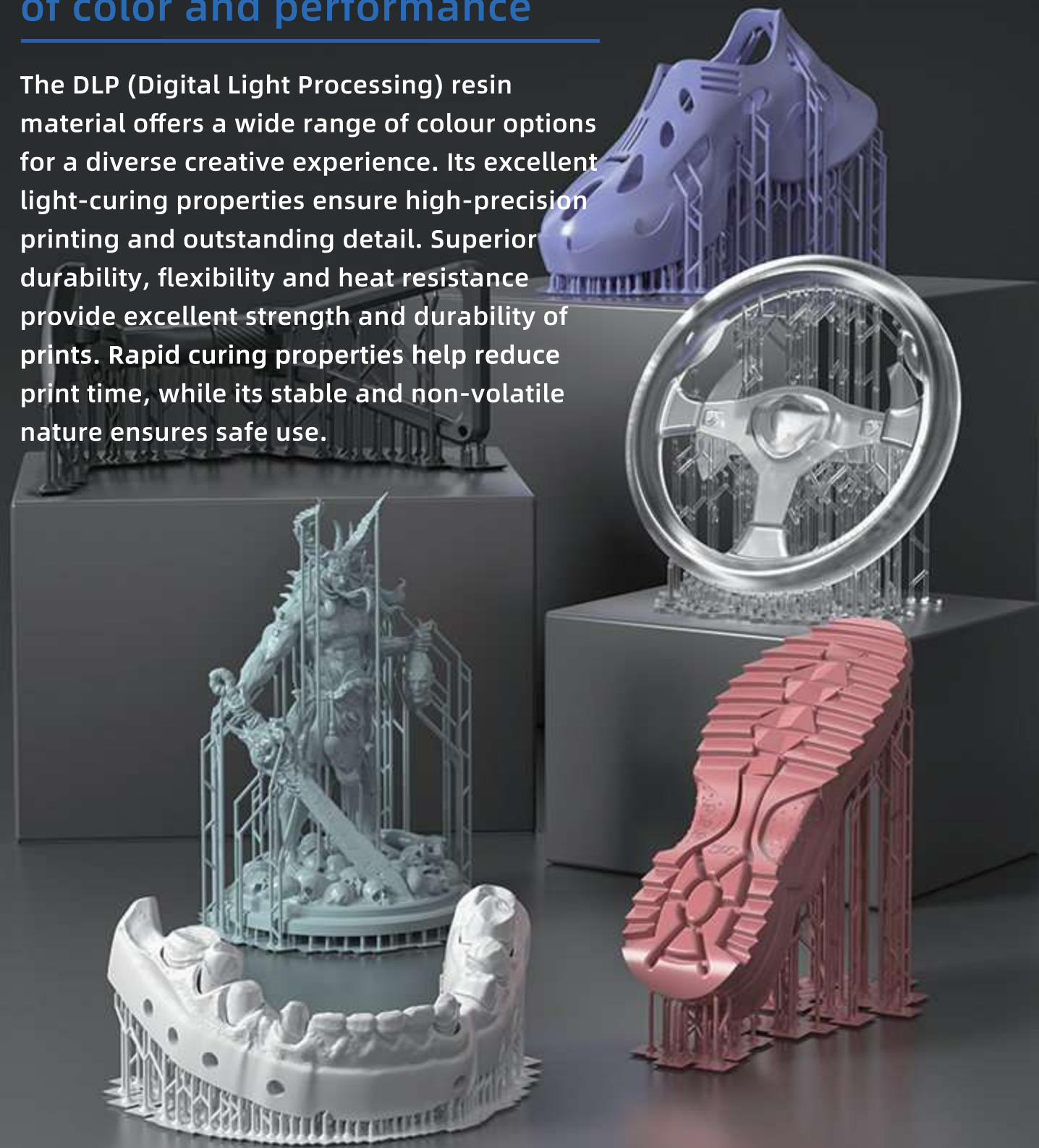
The printing process is stable and there is no problem of model dropping and there is no need to replace the perishable parts of the release film.

# Classification of Resin Materials

## The perfect combination of color and performance

The DLP (Digital Light Processing) resin material offers a wide range of colour options for a diverse creative experience. Its excellent light-curing properties ensure high-precision printing and outstanding detail. Superior durability, flexibility and heat resistance provide excellent strength and durability of prints. Rapid curing properties help reduce print time, while its stable and non-volatile nature ensures safe use.

Unmatched color performance and superior performance



\*颜色仅供参考，具体颜色以实物为准

Multiple advantages

Sunken 3D printer

## Suitable for most resin materials on the market

Supports a variety of different resin materials to meet different needs, comprehensively matching the material properties, able to print Industrial models with different mechanical properties, covering a wider range of industrial fields.



### General-Purpose Resin

Basic prototype resins for a wide range of applications for structural verification and model display, The most common resin material on the market.

### Flexible Resin

Excellent bending and tensile ability to effectively reduce shock and vibration, It can maintain strength and integrity when bending and deformation, making it soft and elastic. Parts with cushioning properties offer a viable solution.



### Dental Resins

Dental resins are designed to be compatible with oral tissues and are suitable for the medical industry Standard, safe and reliable. It can achieve rapid manufacturing, shorten the production cycle, and can be used in Immediate repair and adjustment during the patient's visit.

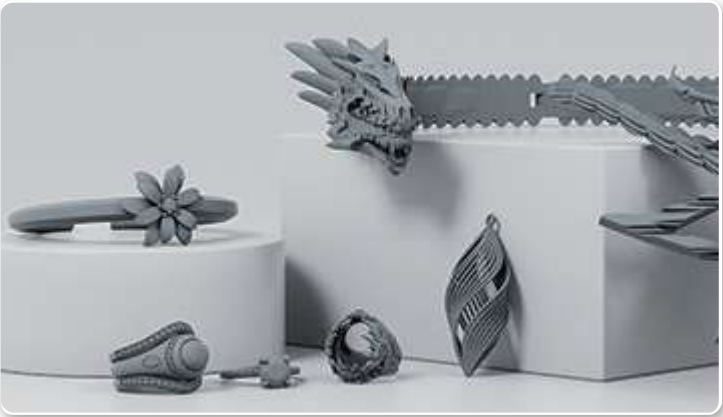
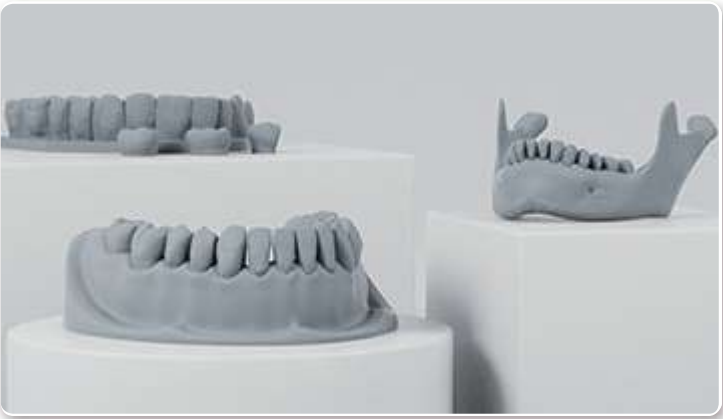
### Jewelry Resin

The ability to print tiny and complex jewelry designs at extremely high resolution guarantees jewelry of fineness and precision. The production process is more efficient and faster, reducing the traditional manual working time and process required for production.





# DLP Application Areas



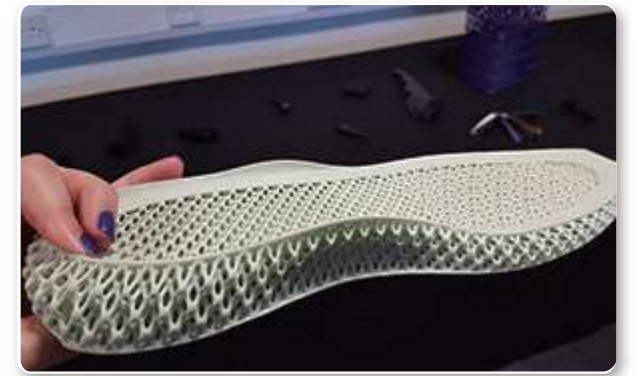
## High-Precision Printing Solutions for Multi-Domain Applications

DLP 3D printers have the advantage of high precision, high Speedrich detail, and the ability to print complex geometries. Whether in manufacturing, healthcare, art and design, or other industries, DLP 3D printers bring tremendous value to efficiency and innovation.



### Outdoor Sculpture

Provides higher quality surface detail and smaller layer thicknesses for outdoor sculptures. which for outdoor sculptures reduces the need for post-processing and improves the quality of the finished product.



### Soft Gel Resin

Selection of elastic materials for soft rubber shoe moulding High precision detail rendering fast printing capability Excellent cost-effectiveness in terms of space for customised creations.



### Statue

Applications in the sculpture industry are mainly in High precision detailing rapid prototyping Variety of material choices and customised creation space, etc.



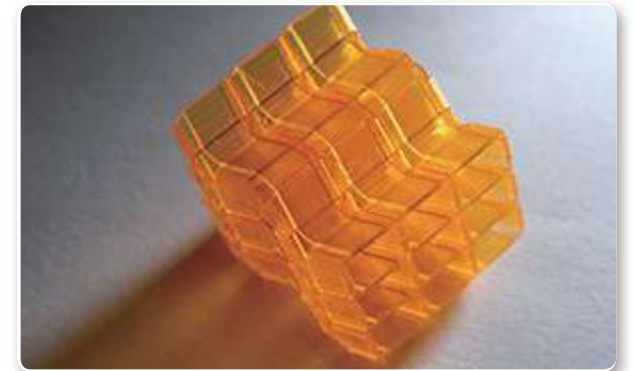
### Orthodontic treatment

Produces highly accurate models of teeth to help dentists and orthodontists plan tooth movement and generate 3D models. It can also be used to make Invisalign braces through precise customisation providing patients with a more comfortable and aesthetically pleasing orthodontic solution



### High Precision Lost Wax Casting

Offers rapid prototyping of jewellery Fine jewellery detailing, jewellery mould making Pushing innovation in jewellery design and production



### Handpiece

The application of DLP 3D printing technology in the field of handmade parts Mainly in the rapid prototyping, accurate detail display and a variety of material options, providing designers and engineers Provides designers and engineers with more opportunities for design verification and functional testing.



# Company Profile

## ZHUHAI ZONGHENG 3D INTELLIGENT TECHNOLOGY CO.,LTD

step by step reach thousand miles

Zhuhai Zongheng 3D Intelligent Technology Co.,Ltd founded in 2017 November. Zongheng3D is taking the lead in supplying 3D printer for various industry fields and manufacturing, application to the continuously technology iterations. The company has owned whole experienced team for Technical, Engineering, Manufacturing and Sales, with strong self-developed, R&D and production capacity, offering specialization 3D Printing solutions, 3D Printer customized and integrated technical supports, specialized in industrial 3D SLA printer.

Zongheng 3D independently developed its 3D printers and supporting software under its R&D base of 3D printing equipment and raw materials, offering professional customized 3D printing service to varied industries. It has been committed to the application for 3D printing market more than 7 years, providing efficient and affordable 3D print integrated solution to domestic and overseas customers both for commercial or individuals, constantly contributing to achievement of high quality efficient prototyping for clients each creativity actualized demand. Headquarter based in the beautiful coastal city, Zhuhai, with branch offices in Chongqing, Wuhan, Beijing, Guangzhou, etc. Zongheng 3D also has established Research & Education Practice Base, collaborated with many colleges and universities. Tenet to accumulation and consummation of hard technology strength in whole operation system for its development, manufacture, sales & after-sale service.



Warehouse



Testing Room



E-commerce Department



assemblage



Showroom

## Company Qualification

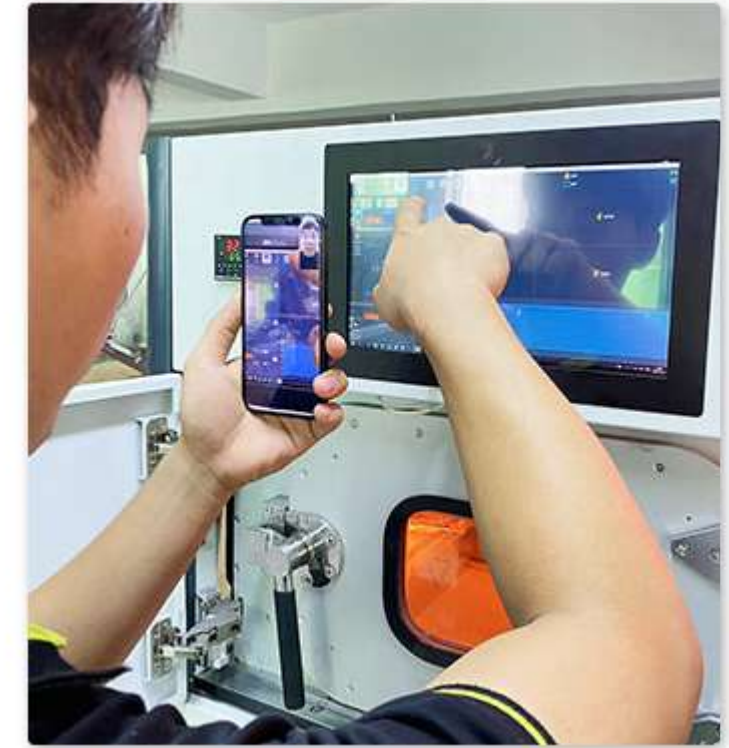
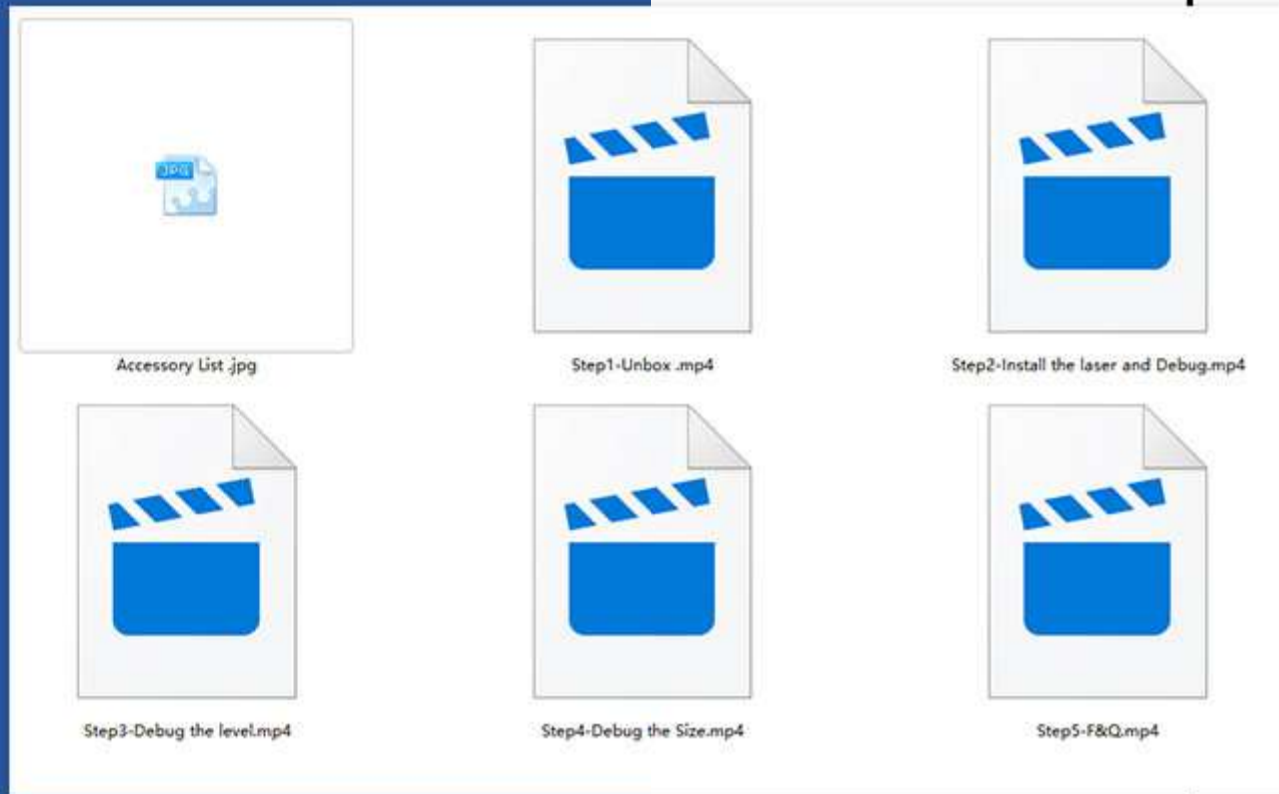
Authoritative certification and quality assurance



# After-Sales Guarantee

Perfect after-sales service system

## Remote & Online Services



A series of installation instructional videos



Installation services

Provide Remote Installation Service



Professional software and hands-on training

3D printer operation tutorial  
3D printing software operation tutorial



Provide services for 7\*12 hours online technical support



Free detection for machine malfunction



Free verification and upgrade for machine and software



Designated after-sales staff following up the whole process for each machine



Provide one-year warranty from the date of delivery