

DLP-DM200 Top-Down 3D Printer Product Brochure

DLP-DM200
Top-Down DLP 3D Printer
Product manual

Focusing on 3D printers
development and production



Desktop Industrial printers

Industrial power on the table

Fast and detailed printing made easy,
Unique projection method and
high-quality light source Ensure
excellent print detail and smooth surfaces



*比例仅供参考，具体机器大小以实物为准

Multiple advantages

Sunken 3D printer

Multiple application scenarios to meet different manufacturing needs



Office Scene

Easily meet a variety of personalized or customized product printing needs, Make manufacturing or structural verification of products simple and reliable



Batch Printing

Flexibility and efficiency coexist to meet the needs of mass production Print quality assured models in a short time

	Product Model	DLP-DM200	
operating system	Zongheng embedded system	Z-axis accuracy	0.002
operating screen	7.0" resistive screen	layer thickness	0.03-0.15
Print size	192*108*120MM/250*140*220MM	Print speed	6-8 seconds per layer
XY Resolution	50um/65um resolution	Power Requirements	220v/50HZ
skill	Sunken DLP	Slicing software	Self-developed
light source	4K, 405 light source DLP	Machine size (L*W*H)	450*400*800
connection method	USB stick or network cable	net weight	35KG

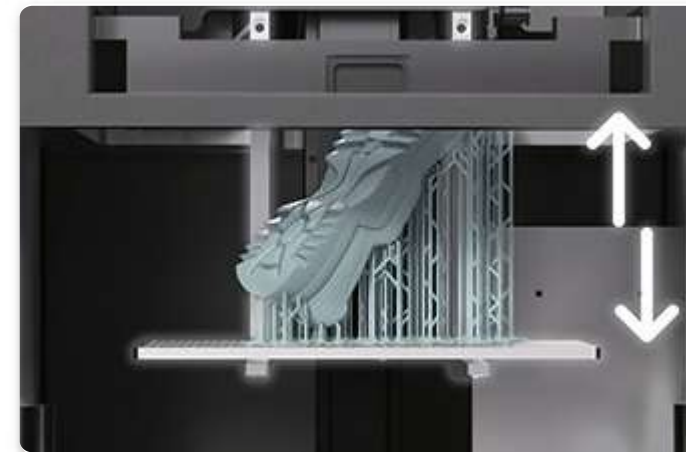
The realm of subtlety, the delicateness

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.



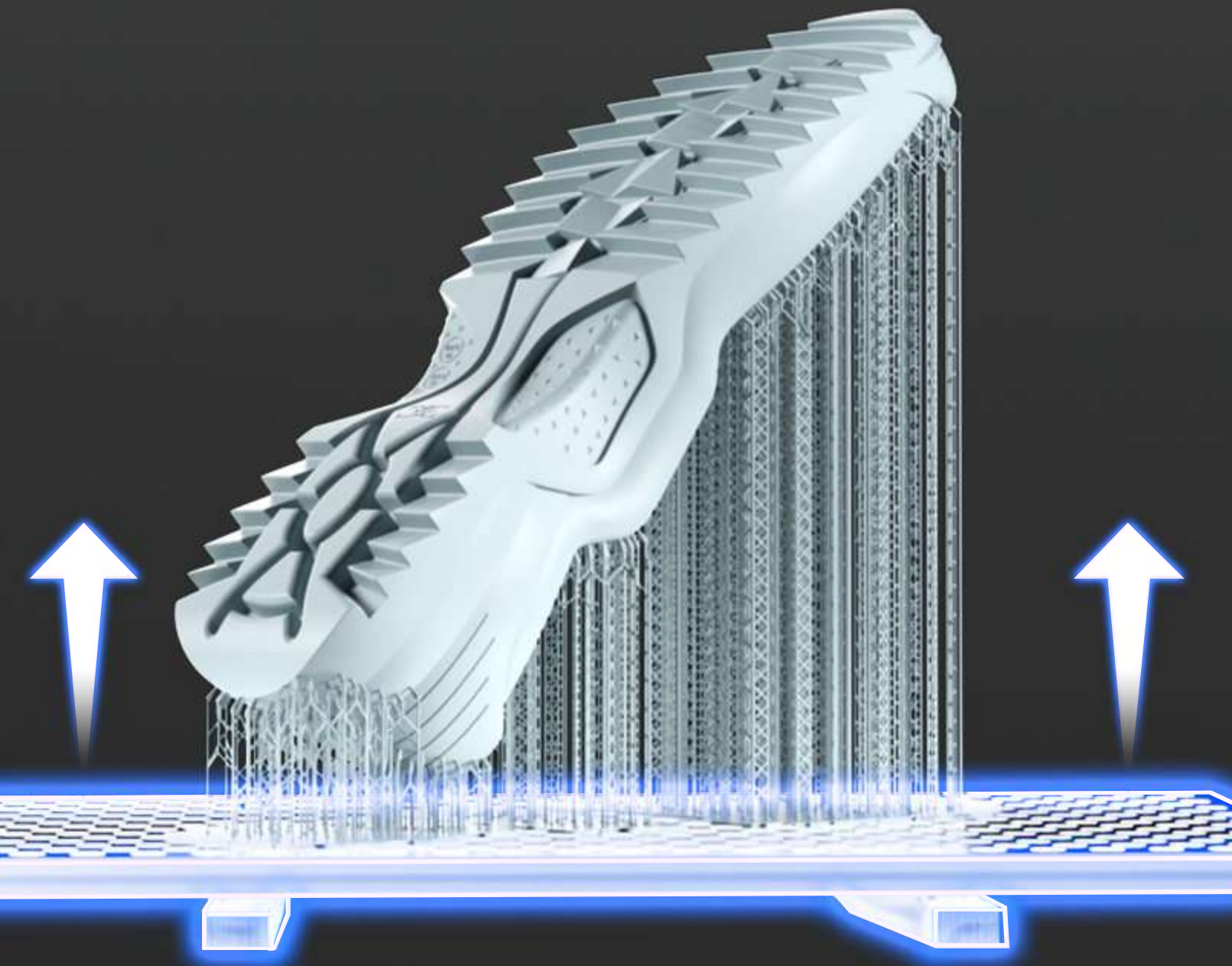
Small Size Desktop

450*400*800mm machine volume, suitable for placing in office, Studio or small work area for easy integration into the business environment, Save valuable space resources for enterprises.

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

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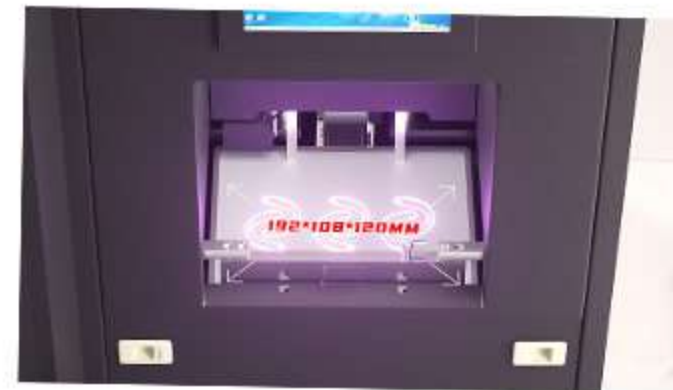
Focusing on 3D printers development and production

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



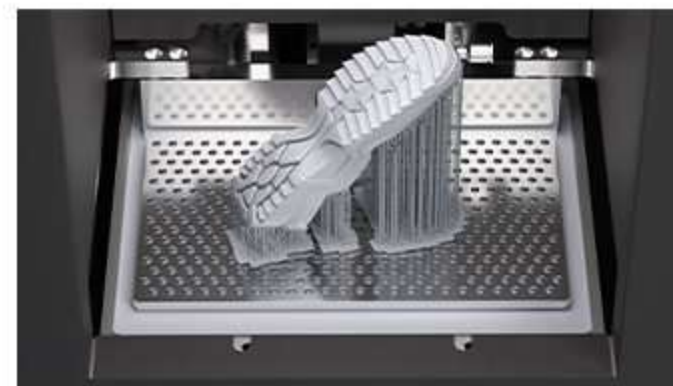
Thinner Support & Easy to Remove

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



Could be Expanded to Large Printing Size

Top-Down dlp has no limited for the printing size in the future Zongheng will release larger size of DLP printers such as 384mm one.



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.



Self-leveling Adjustment with one click

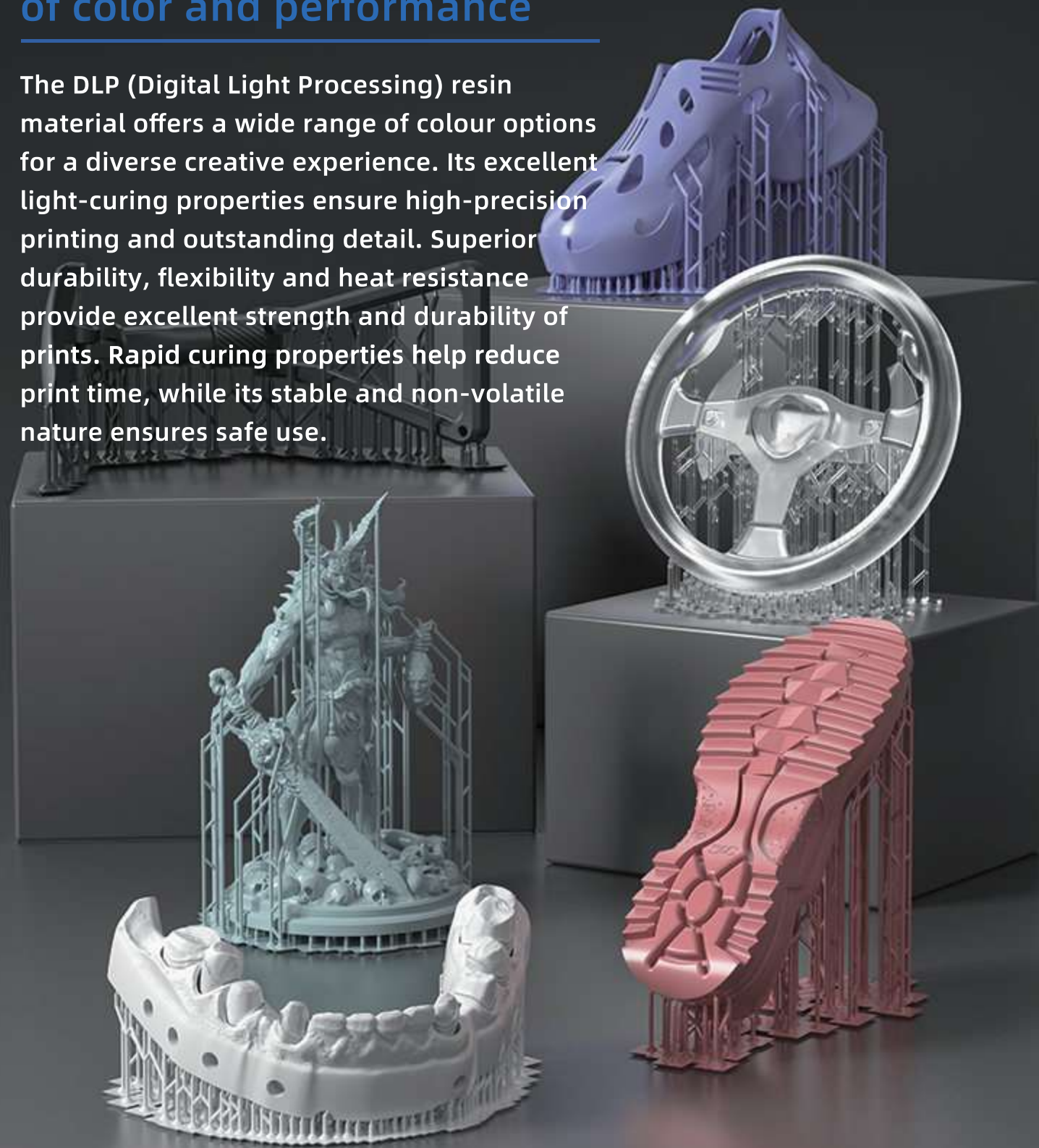
Built-in levelling sensors plus axis-controlled kicker just one click to achieve the machine level, no need to manually adjust the manual

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.



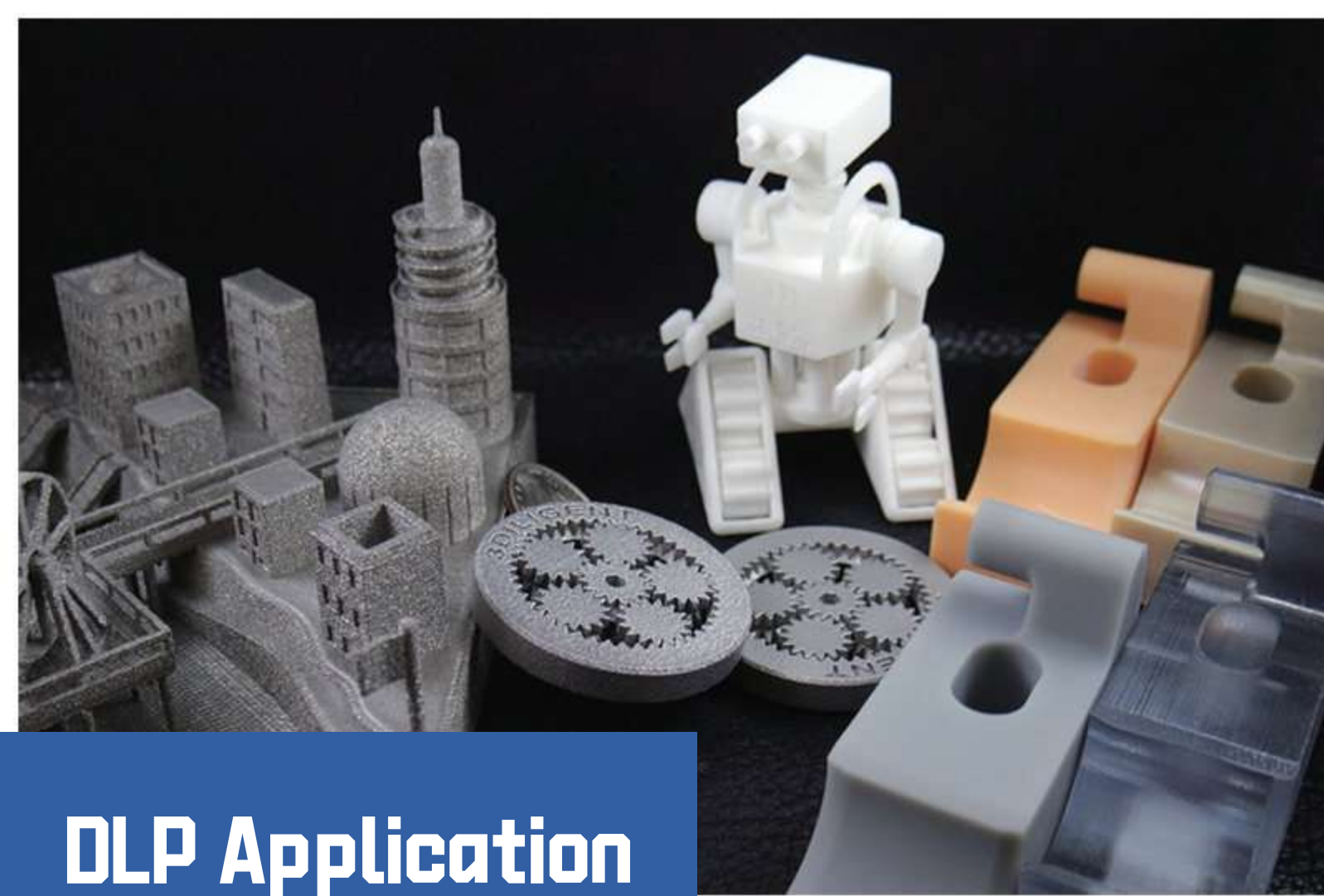
Dental Resins

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.

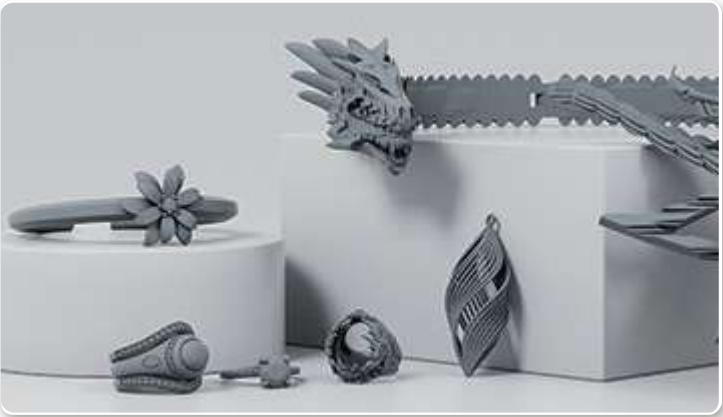
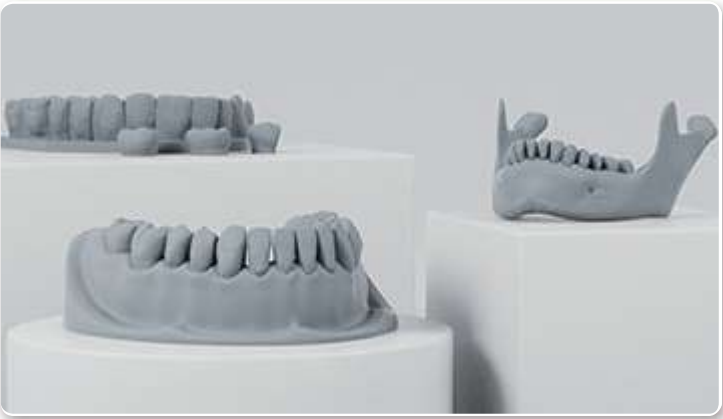
Jewelry Resin

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.



Manufacturing

Which can be used for rapid prototyping and customised parts production. significantly reducing product development cycles.It also offers the ability to print with high precision and complex geometries.



Automotive Industry

For printing automotive parts and models DLP technology also enables the printing of high-strengthDLP technology also enables the printing of high-strength materials providing greater durability and performance.



Art & Design

Being able to quickly create artwork, models and decorative items that helps artists and designers realise creative ideas. It can print complexstructures and textures providing a higher level of artistic expression.



Medical Field

For bioprinting and medical device manufacturing.enable personalised healthcare solutions. Printing mannequins and devices that precisely match a patient'sspecific needs of the patient and prints precisely fitted mannequins and devices.



Architecture Construction

Can be used to print architectural models and components thataccelerate the building design and construction process It provides greater architectural accuracy and sophistication, helping to save time and costs.



Education Field

Being able to stimulate creativity and innovative thinking in students, theProvide opportunities for hands-on practice. Students can print modelsand prototypes to understand and apply concepts and knowledge.



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

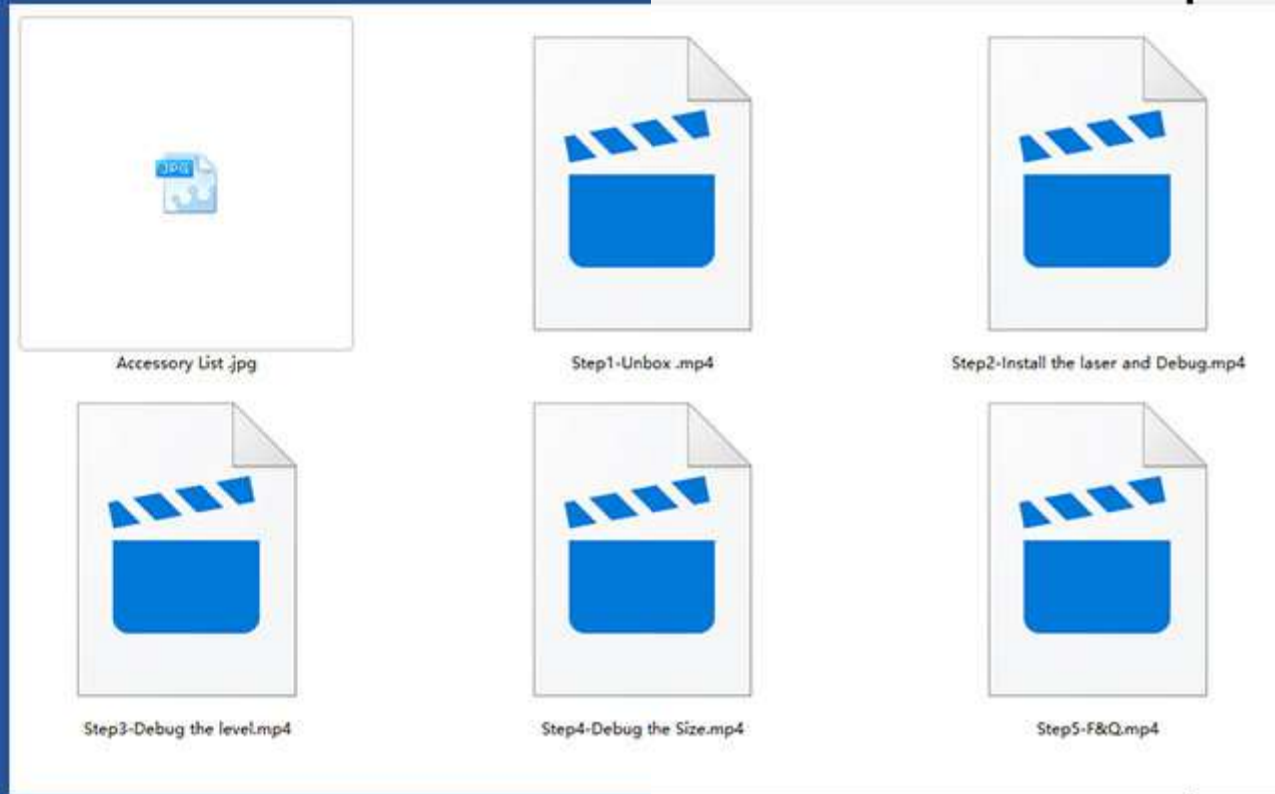
Company Qualification

Authoritative certification and quality assurance



After-Sales Guarantee

Perfect after-sales service system



A series of installation instructional videos



Installation services

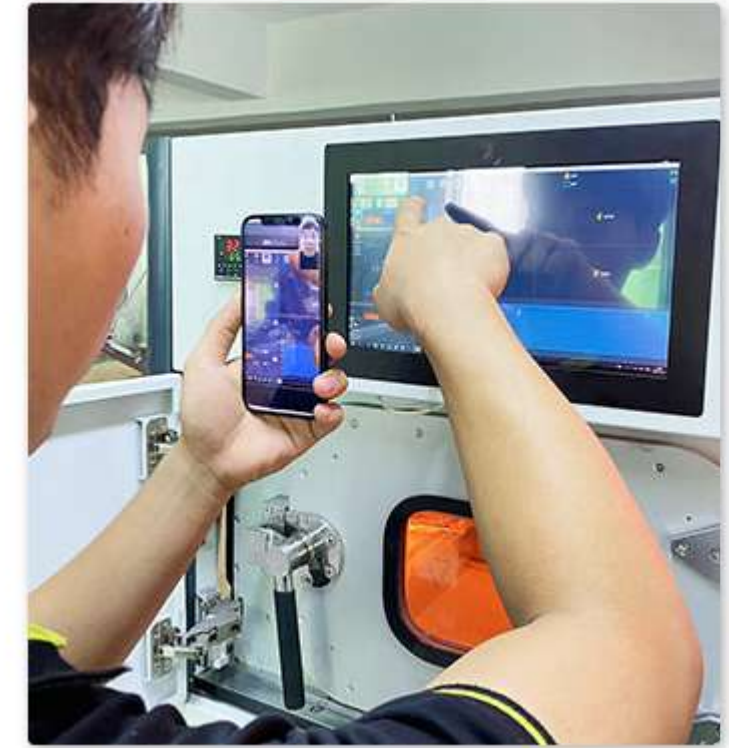
Provide Remote Installation Service



Professional software and hands-on training

3D printer operation tutorial
3D printing software operation tutorial

Remote & Online Services



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