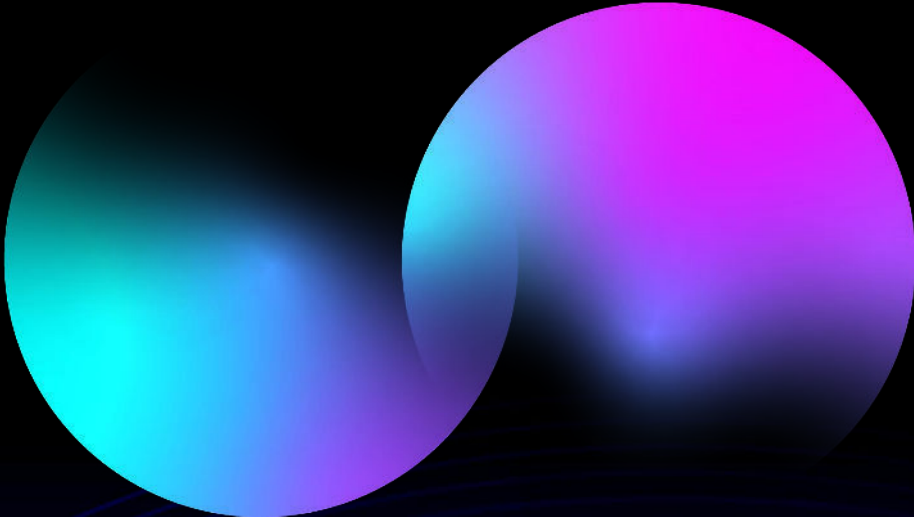


ELEGOO

# SATURN 3



ELEGOO

# SATURN 3

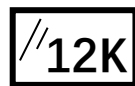
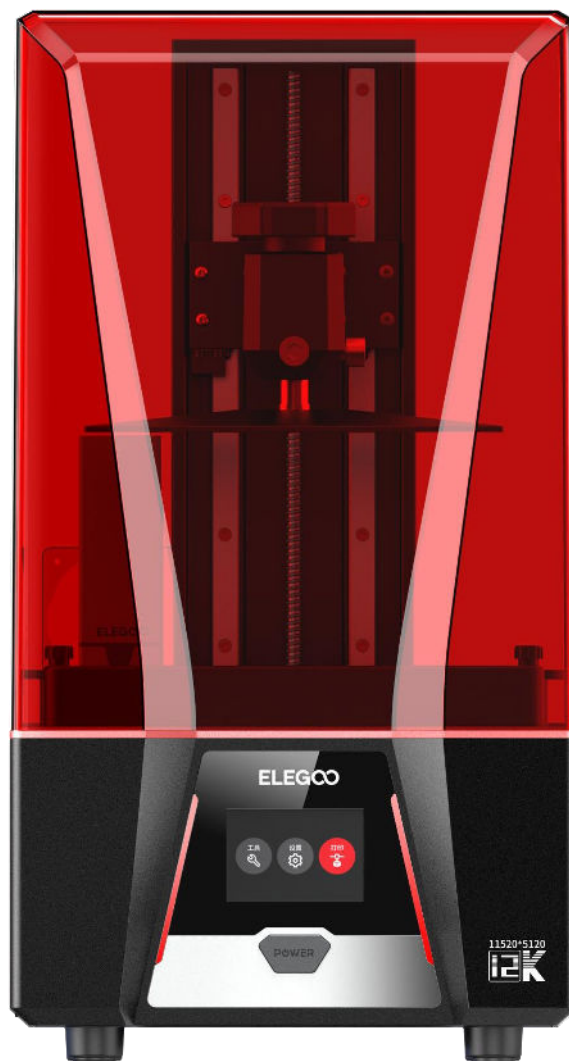
Resolution 11520\*5120px

# 12K

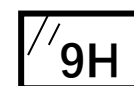
HD LCD 3D Printer



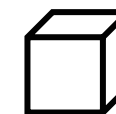
model by loot.studios



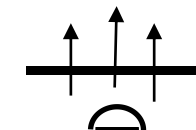
12K HD LCD Resolution  
11520\*5120(19\*24um)



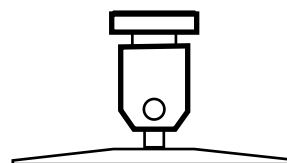
Tempered Glass  
9H Hardness



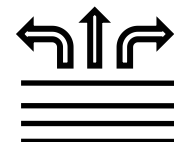
Print Volume  
218.88\*122.88\*250mm<sup>3</sup>



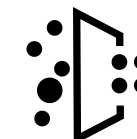
Patented Fresnel  
Collimating Light  
Source



Laser-engraved  
Build Plate



Upgraded  
Heat Sink



Upgraded  
Plug-in  
Air Purifier



Open-Source  
GOO  
Slicing Format

Incredible 12K Screen

XY Resolution 11520\*5120px (19\*24um)

12K

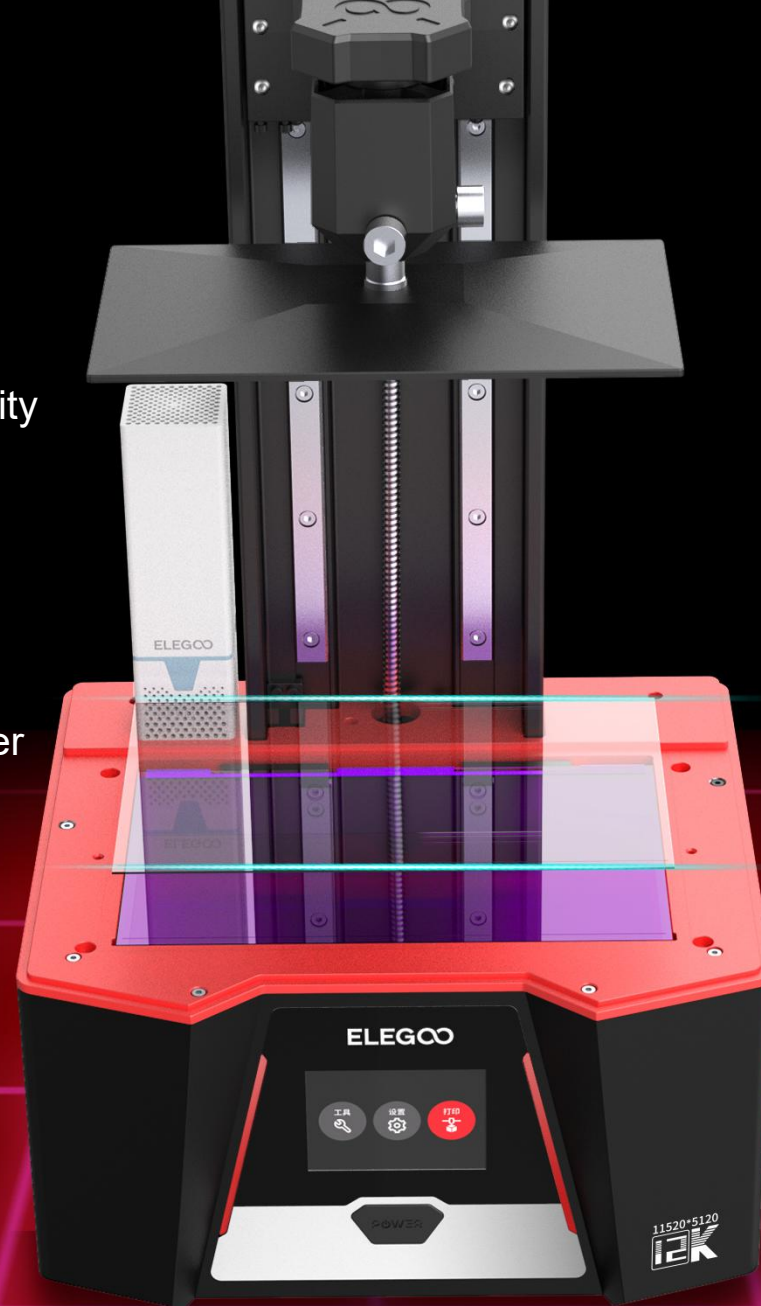
ELEGOO



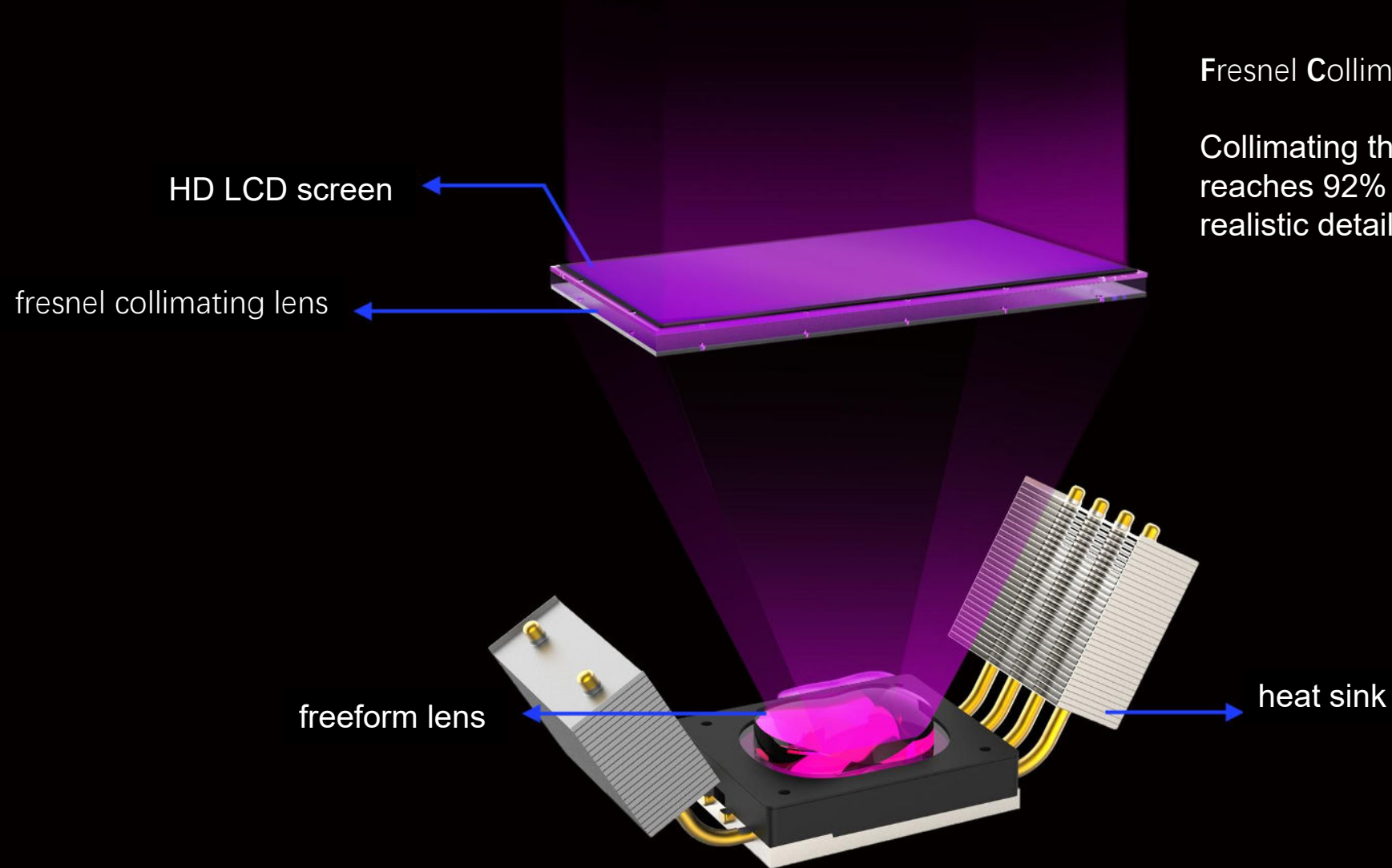
# Tempered Glass Screen Protector

9H hardness explosion-proof high-permeability  
tempered glass  
Wear-resistant and scratch-resistant  
Effectively extend the life span of the LCD  
screen

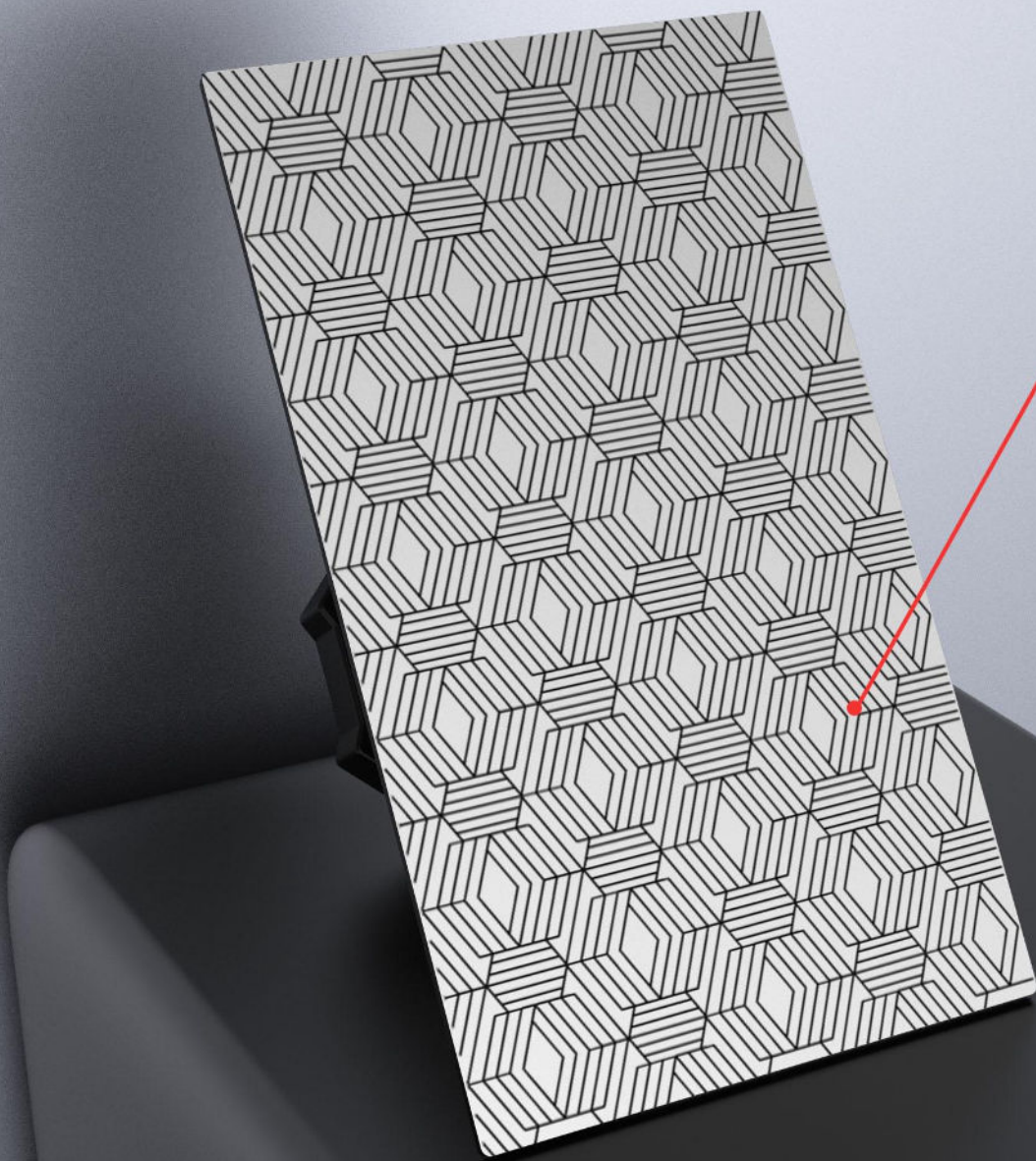
Easy to clean  
Protect the screen from leakage resin or other  
liquids  
Prevent the screen from dirt and scratches



# FCLS Innovative Patented Technology



Collimating the light angle within  $5^\circ$ , uniformity reaches 92% and above, realizing more realistic details of the printed model!



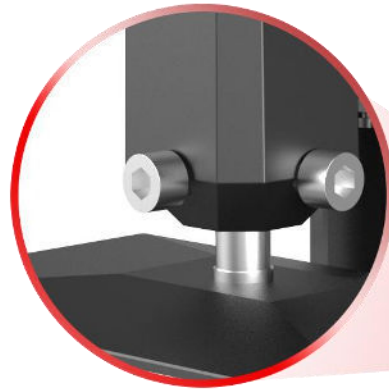
## Laser Engraved Build Plate Enhance Model Adhesion

The build plate surface adopts laser engraving technology, providing ultra adhesion with the first layer of the model, to achieve a higher success rate in printing

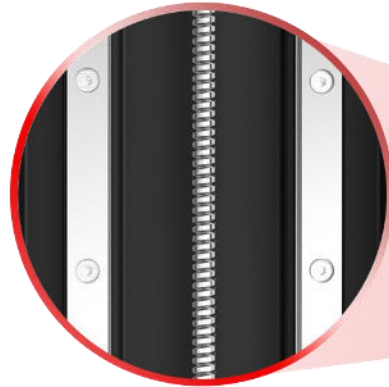
# Double Z-Axis Linear Railways

ELEGOO

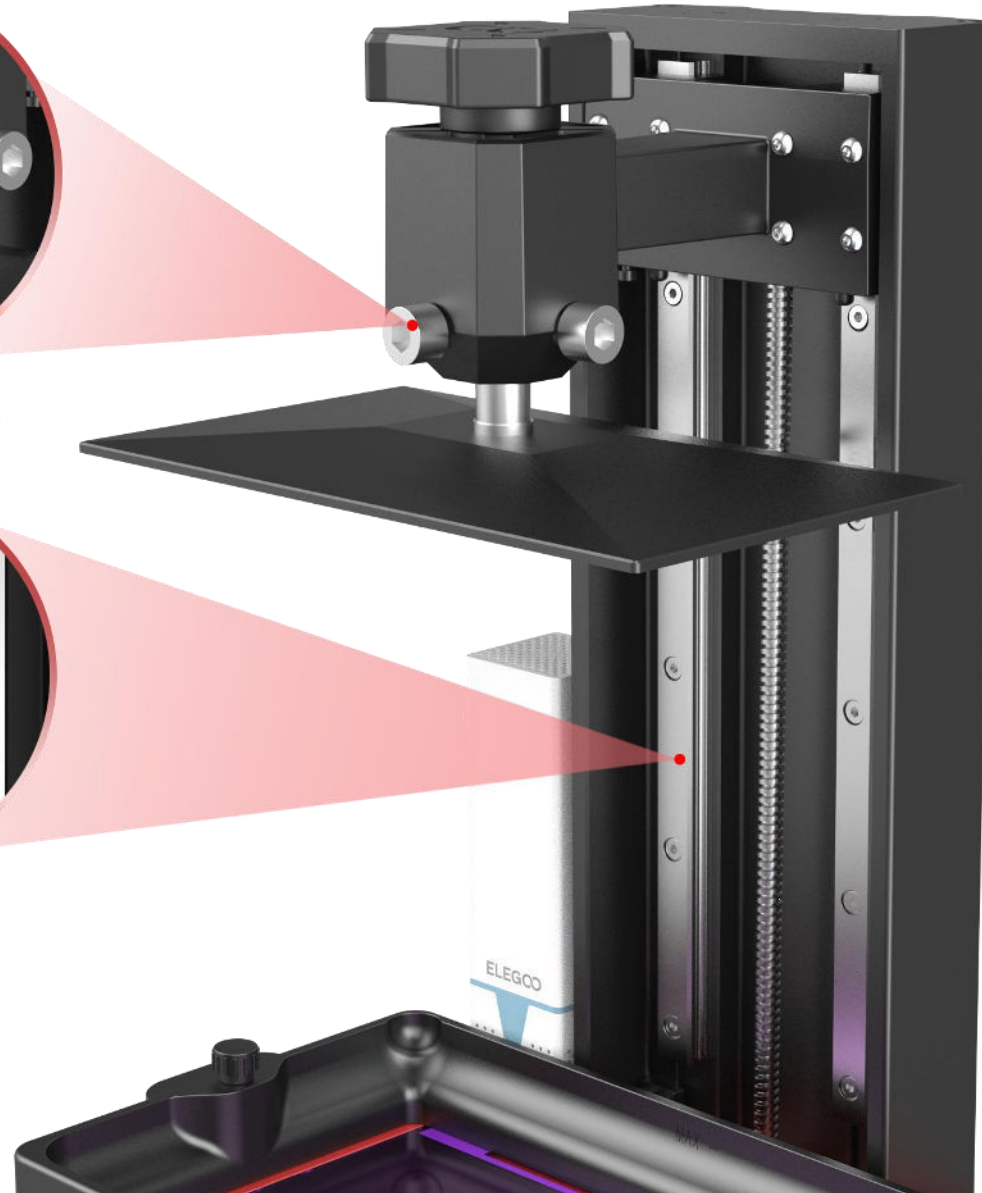
Quieter, steadier, and more precise motion



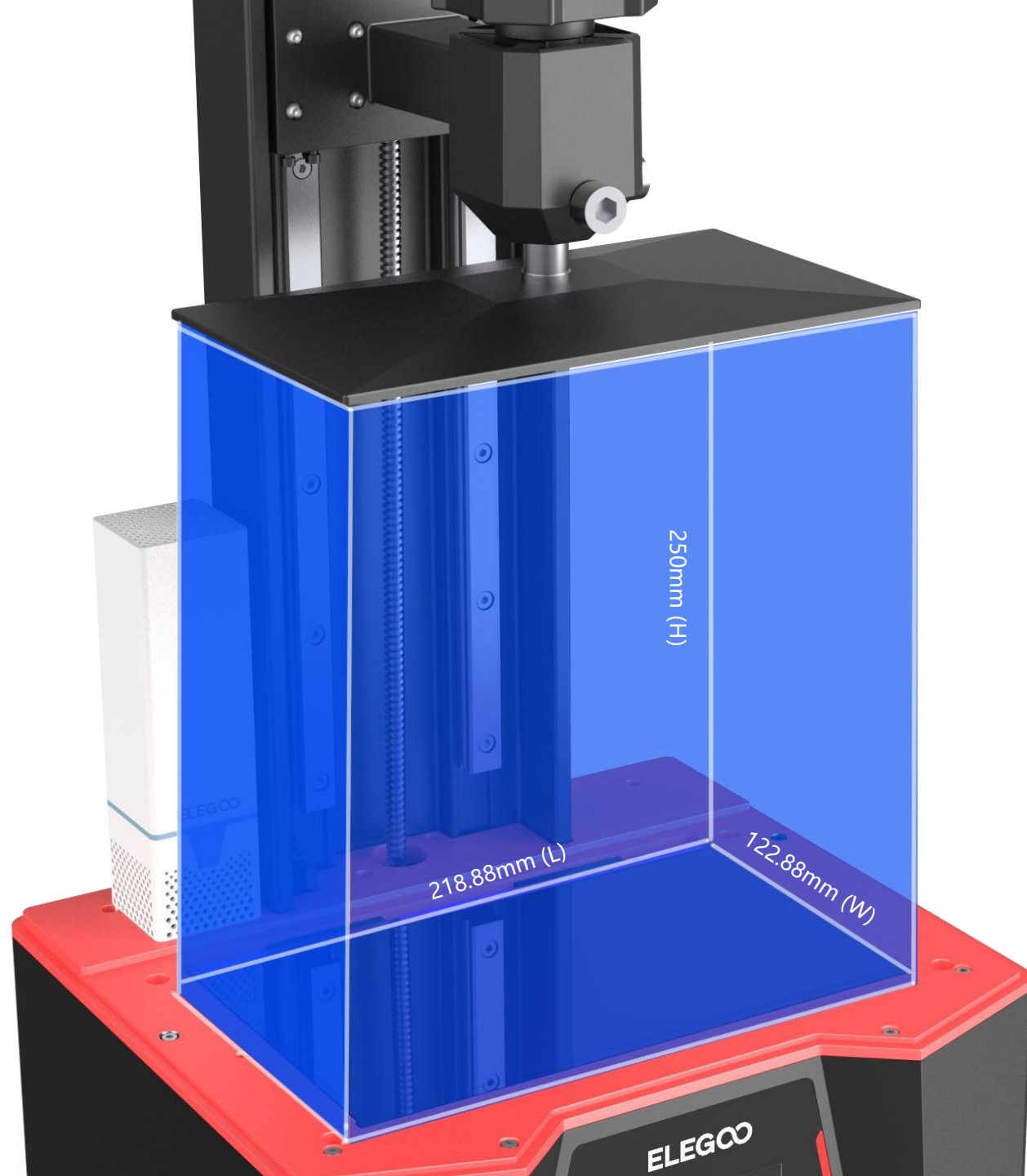
Non-slip Hexagon Socket  
Screws for Easier Leveling



Double Z-axis  
Linear Railways







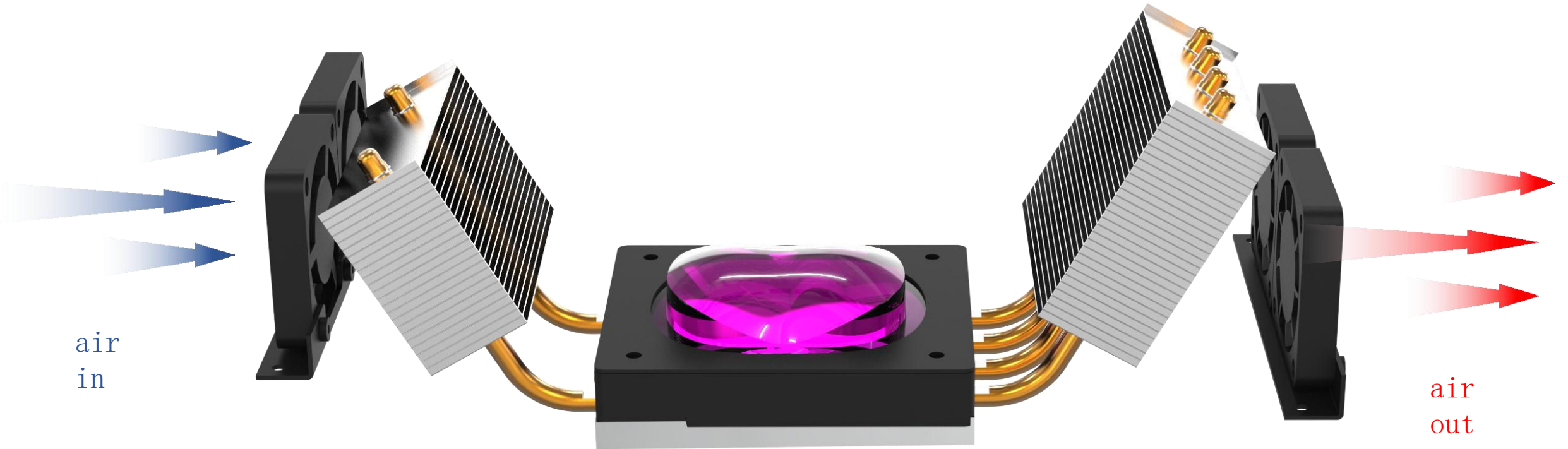
## Large Print Volume

218.88 (L)\*122.88 (W)\*250(H)mm<sup>3</sup>,  
Satisfy your creativity

# Upgraded Heat Sink Better Heat Dissipation

ELEGOO

Unique heat dissipation system  
More efficient performance  
Effectively prolonging the life span of the printer





## Senseful Design for more safety and easiness

The front platform is 2.5mm lower than the behind. A new stepped design prevents resin and other liquids from flowing into the interior and damaging the machine

# Compatible with the Big Boy - MARS MATE Air Purifier

ELEGOO

SATURN 3 series 3D printer is perfectly compatible with this air purifier  
Create an air-fresh 3D printing space



# Upgraded Air Purifier 2.0

**ELEGOO**

Specially designed for 3D printers, it can effectively absorb the odor molecules emitted by the resin, purify the air. With a built-in cover for the activated carbon core, the filter element does not drop slag.

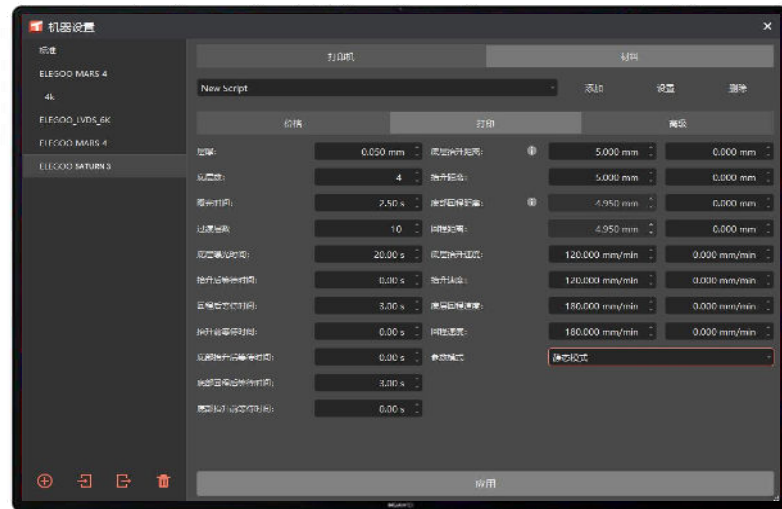


Upgraded filter core with a cover effectively protects the activated carbon from damage during shipping

# Smart Voxeldance Tango Software

## 3 Printing Modes

- 1. **Static mode:** print according to the sliced settings
- 2. **Dynamic mode(smooth mode):** it will adjust the printing speed dynamically according to the cross-sectional size of the printed model, which reduces the influence of release force.
- 3. **Dynamic mode(high-speed mode):** print even faster based on the smooth mode, improves printing efficiency.

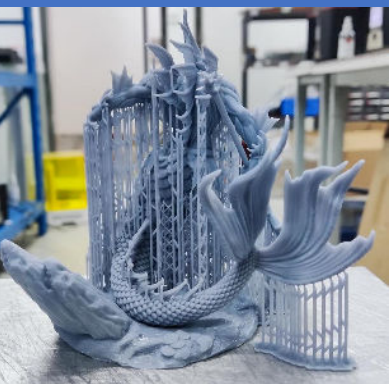


Static Mode



VS

Dynamic Mode



09 : 58 : 00

print time

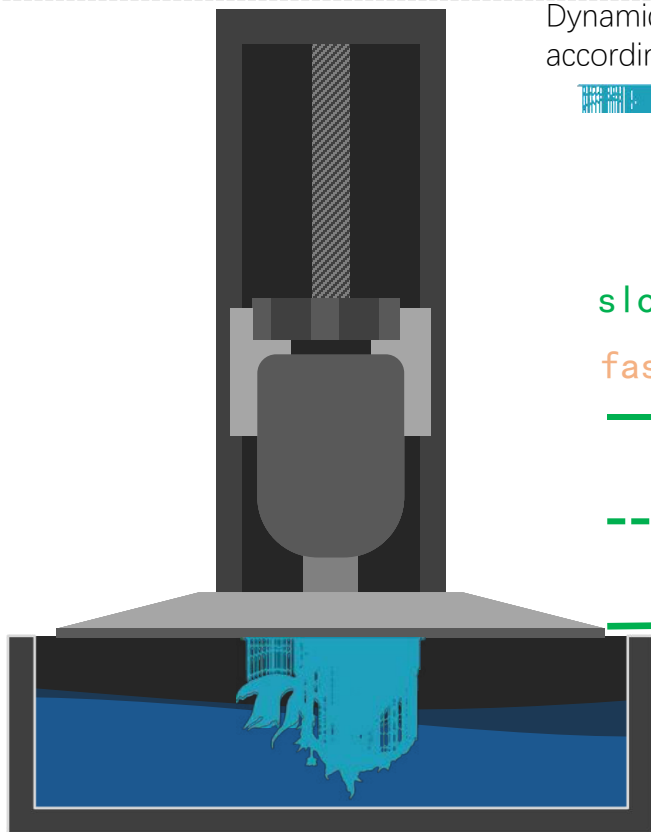
09 : 05 : 00

Dynamic mode will adjust the printing speed dynamically according to the cross-sectional size of the printed model



slow —

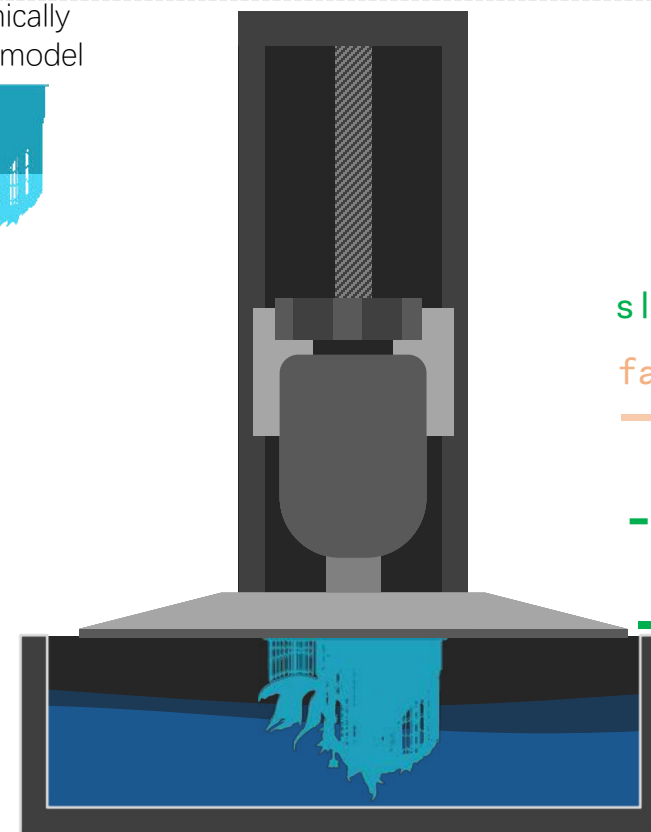
fast —



Static mode

slow —

fast —



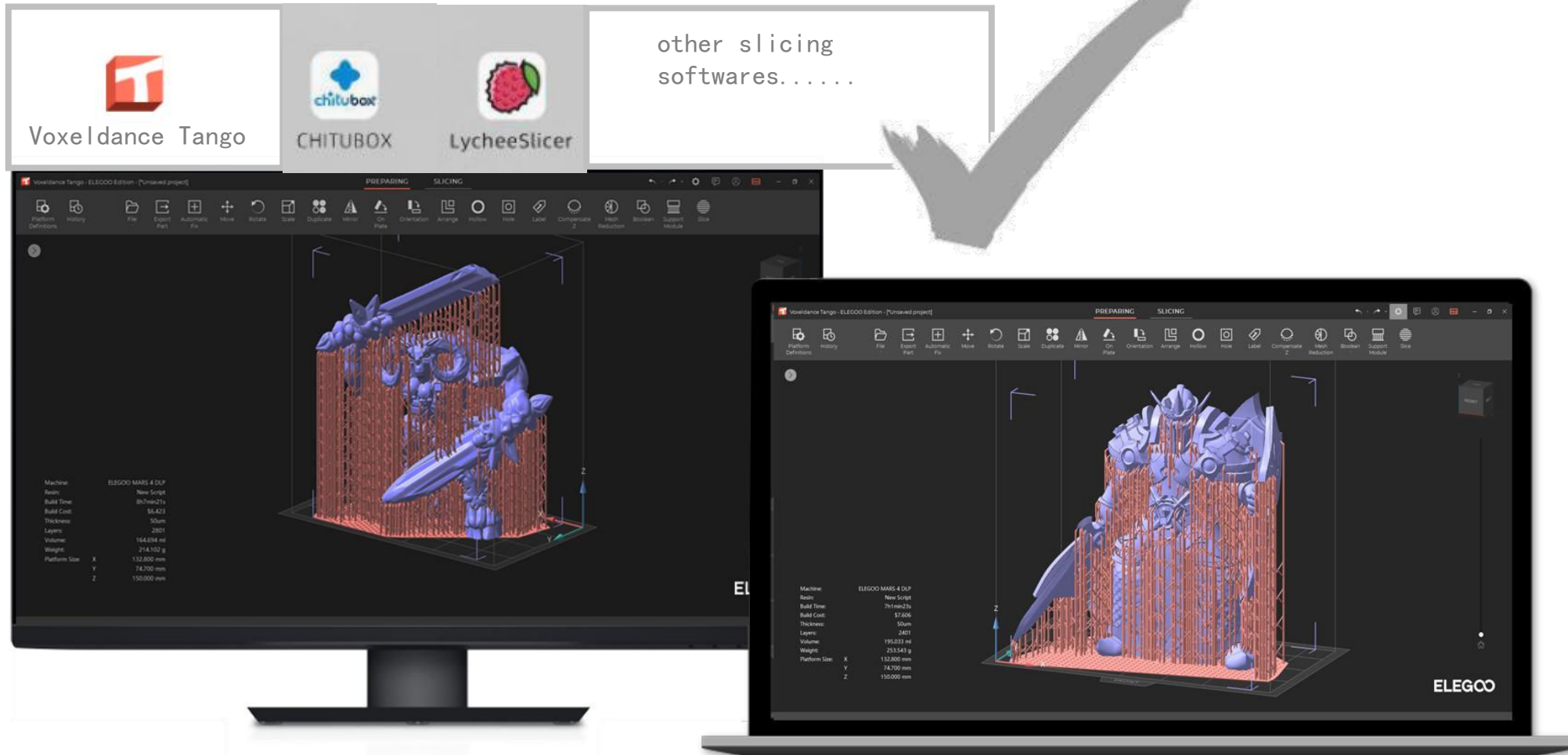
Dynamic mode

Printing the same model under same exposure time (2.8s), the speed comparison between static and dynamic mode during

\*Above data from ELEG00 R&D Laboratory

# Open-Source GOO Slice Format

ELEGOO self-developed  
Support multiple slicing softwares without restriction





# SATURN 3 Parameters

**ELEGOO**



System: EL3D-3.0.1  
Control: 3.5" touch screen  
Slicing: Chitu Box & Voxeldance Tango  
Connectivity: USB

Technology: MSLA  
Lightsource: COB (wavelength 405nm)  
XY Resolution: 19\*24um (11520\*5120)  
Z Axis Accuracy: 0.02mm  
Layer Thickness: 0.01-0.2mm  
Printing Speed: 30-70mm/H  
Power Requirements: 100-240V 50/60 Hz 24V 6A

Printer Dimensions: 305.9mm(L)\*273mm(W)\*567.3mm(H)  
Print Volume: 218.88mm (L)\*122.88mm (W)\*250mm (H)  
Package Dimensions: 640mm(L)\*395mm(W)\*365mm(H)  
G.W.: 15.2KG  
N.W.: 11KG

# Wide Application



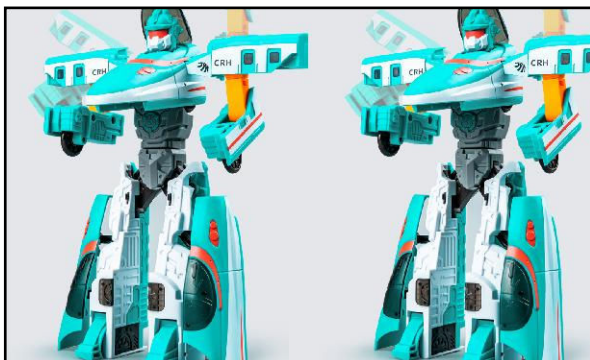
R&D



Dental



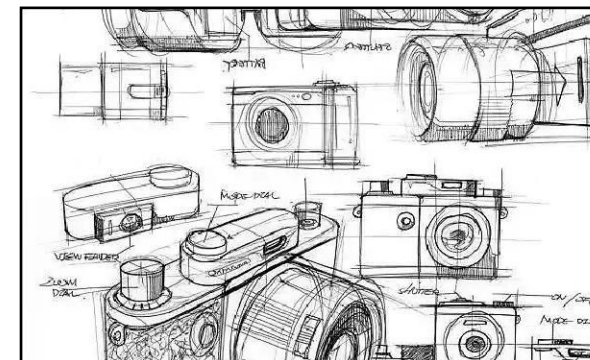
Education



Miniature



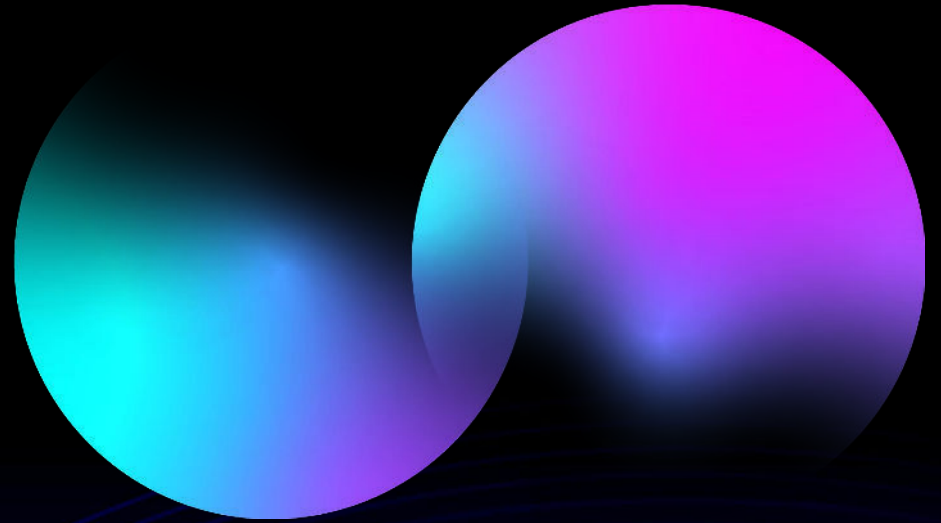
Jewelry



Design

ELEGOO

THANKS



Shenzhen, China