MD-600D

Print Bigger ⚡ Faster

Eight Advantages

5X Faster Print Speed

600*600*600mm Large Build Volume

Dual Extruder

350 degrees High Temperature Hot End
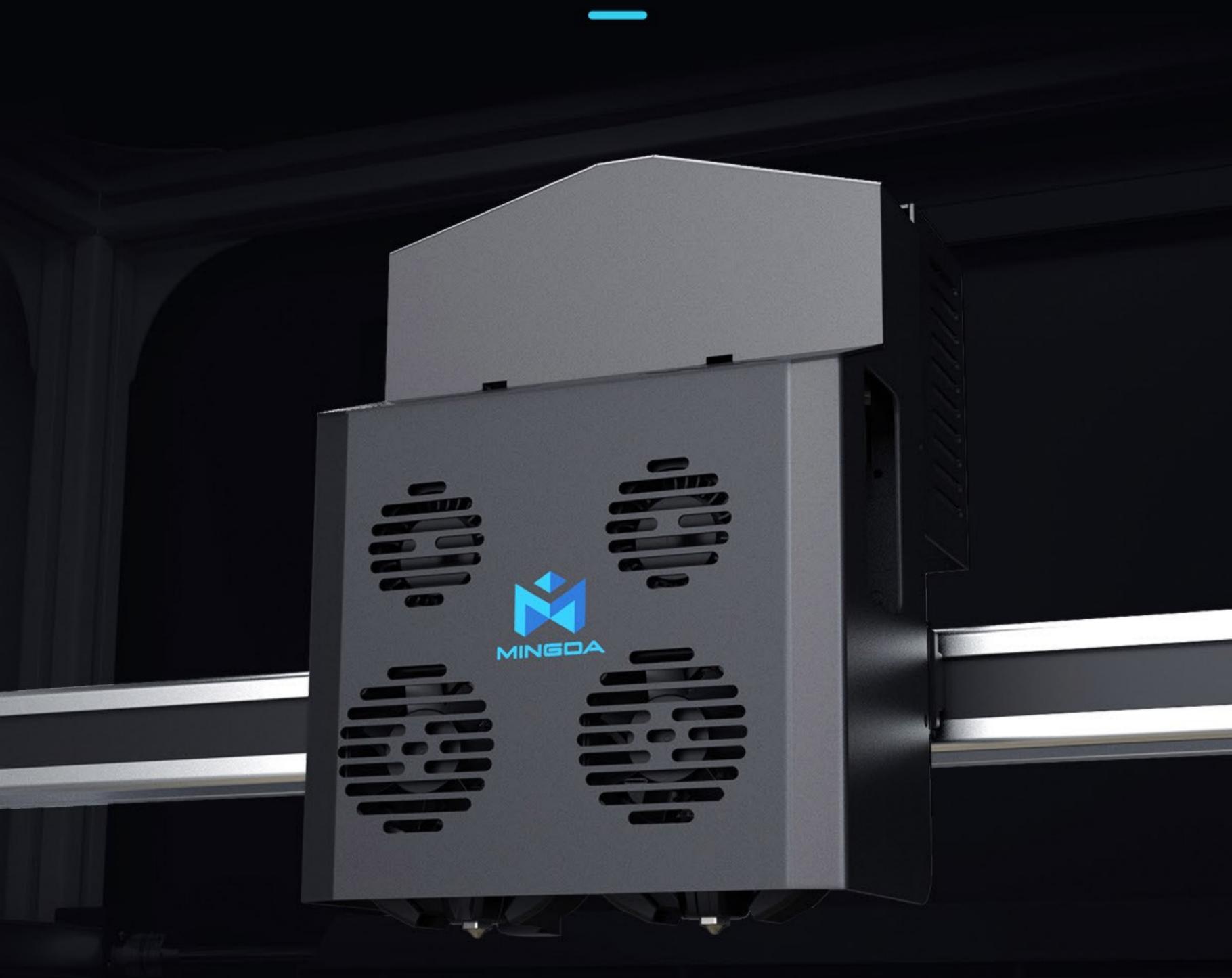
New Cooling System Design
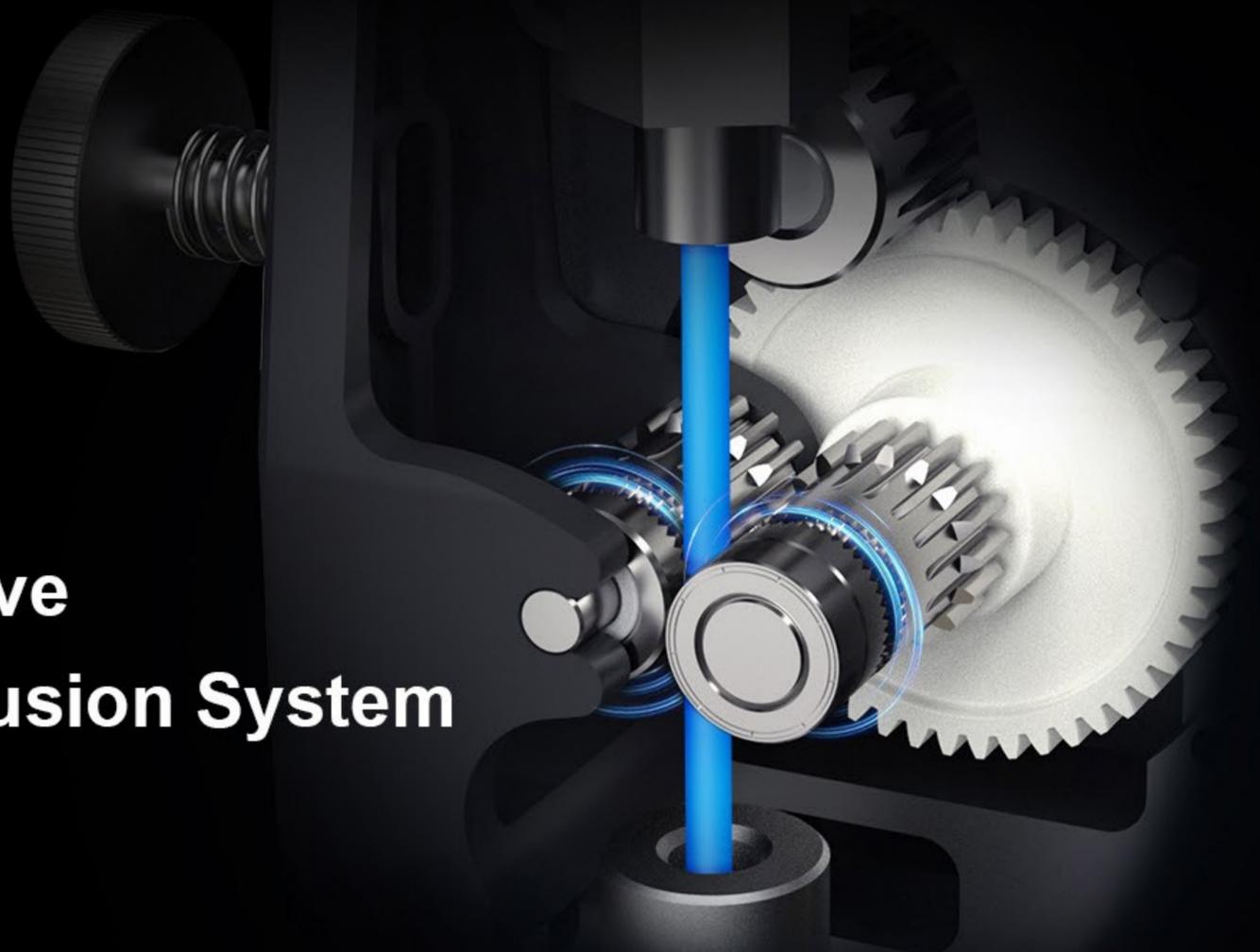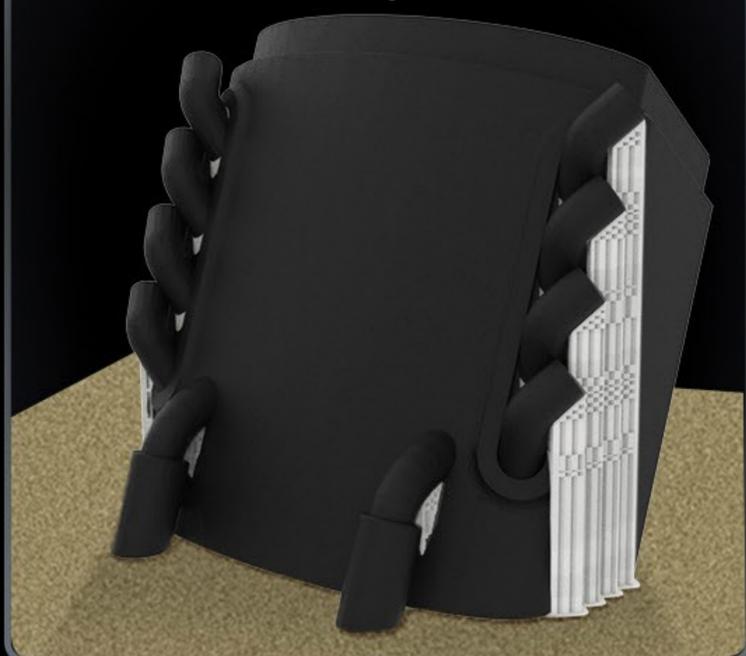
Camera & WIFI

Free Leveling

Input Shaper

Fighter jets in industrial large Format 3D printers with **Dual Nozzles**

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MINGDA

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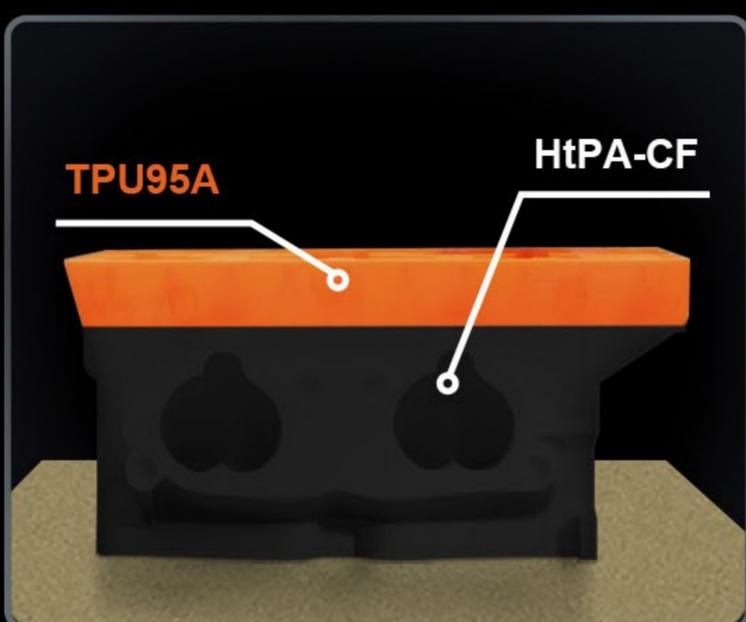**Direct Drive**
Dual Extrusion System

Support materials can be printed
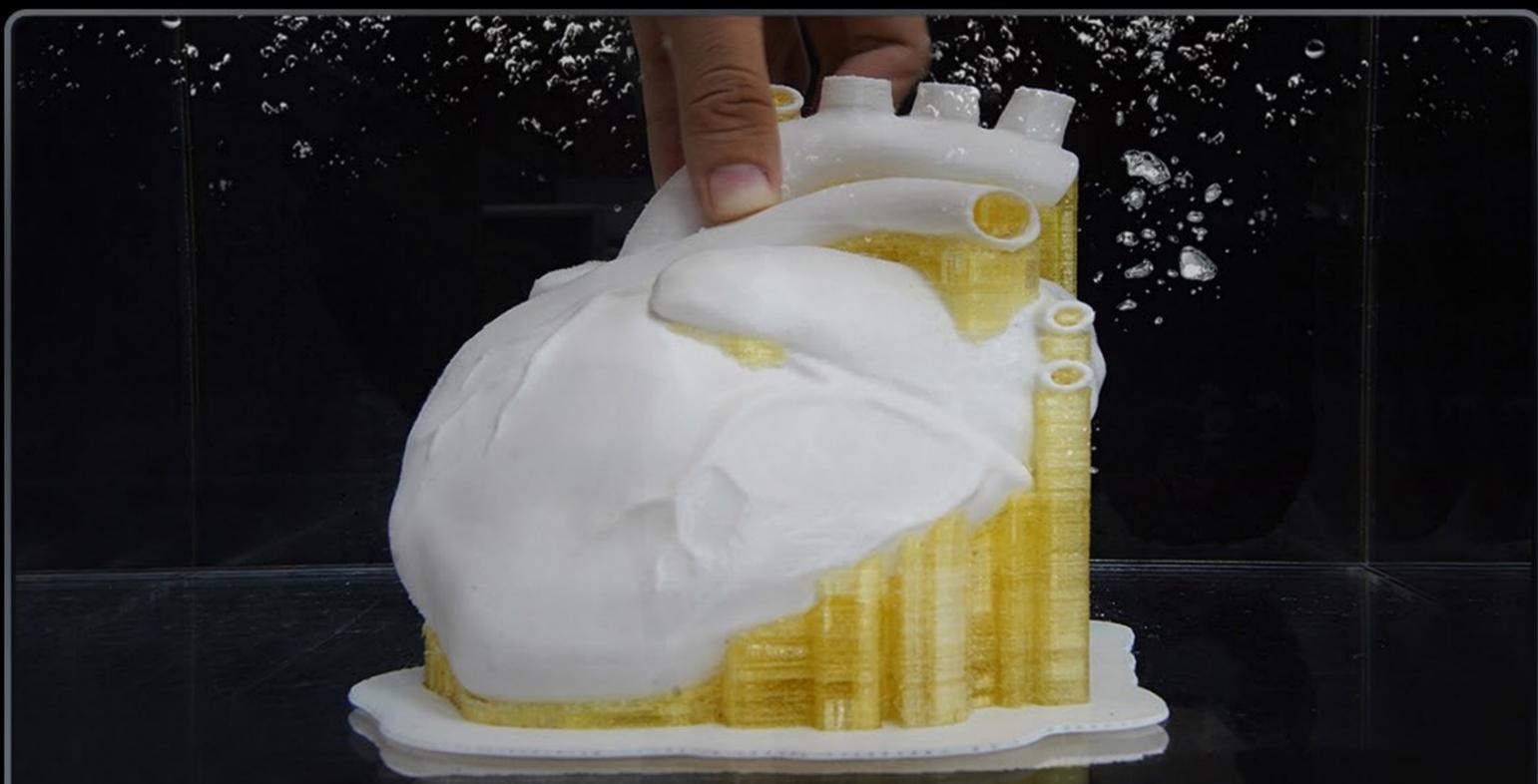
Print two colors simultaneously

Maximum heating temperature **350°C**

TPU95A   HtPA-CF

PETG

TPU

Supports **TPU95A** and **HtPA-CF**,
while printing **TPU** and **PETG** simultaneously.

Supports **water-soluble filament** printing

5X Speed, Breakthrough in Printing Efficiency Once Again

MD-600D printing speed up to 300mm/s, 10000mm/s ² Peak acceleration, only 0.02s speed up form 0 to 300mm/s, achieving ultra-high efficiency printing.
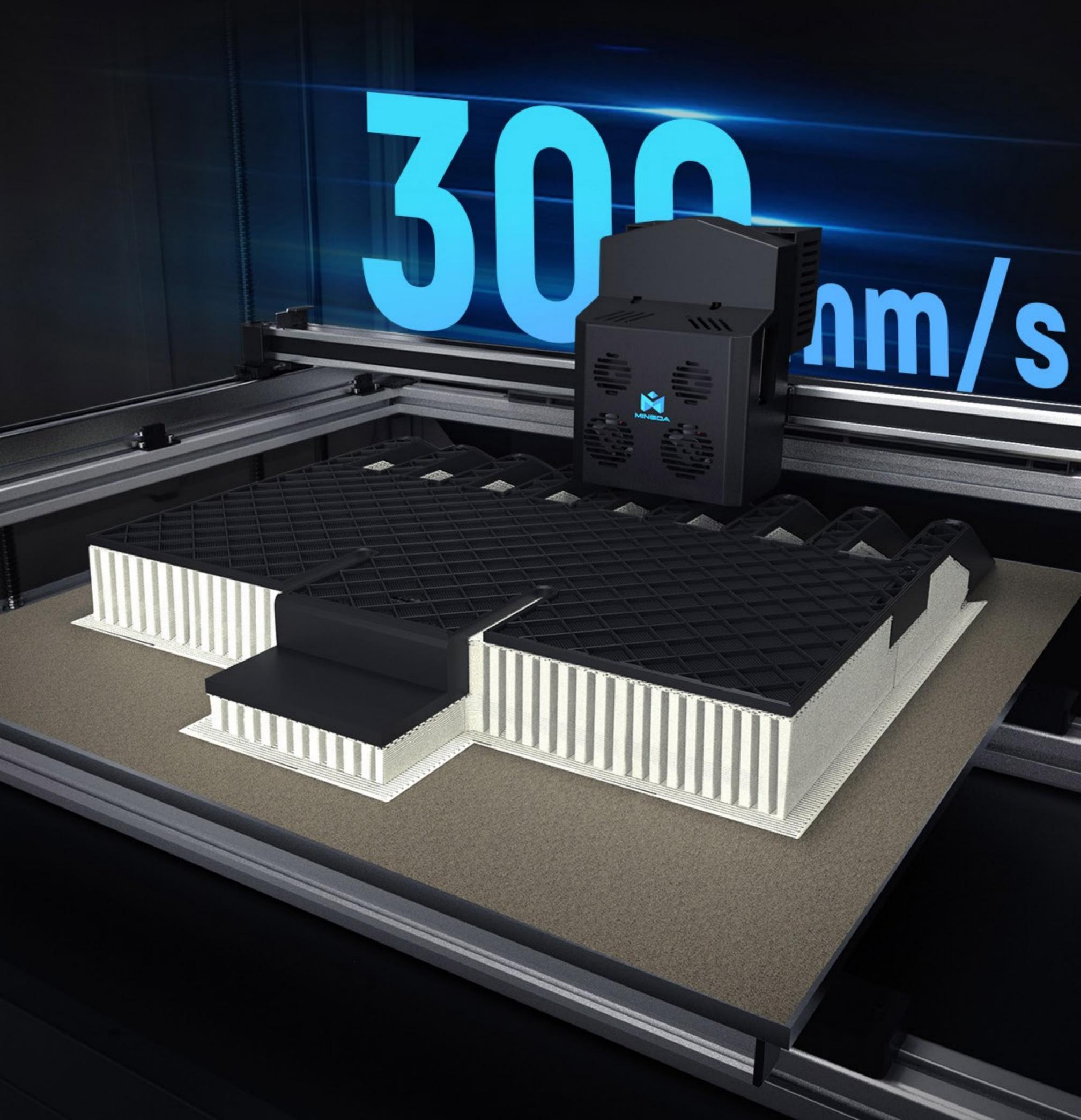
500mm/s
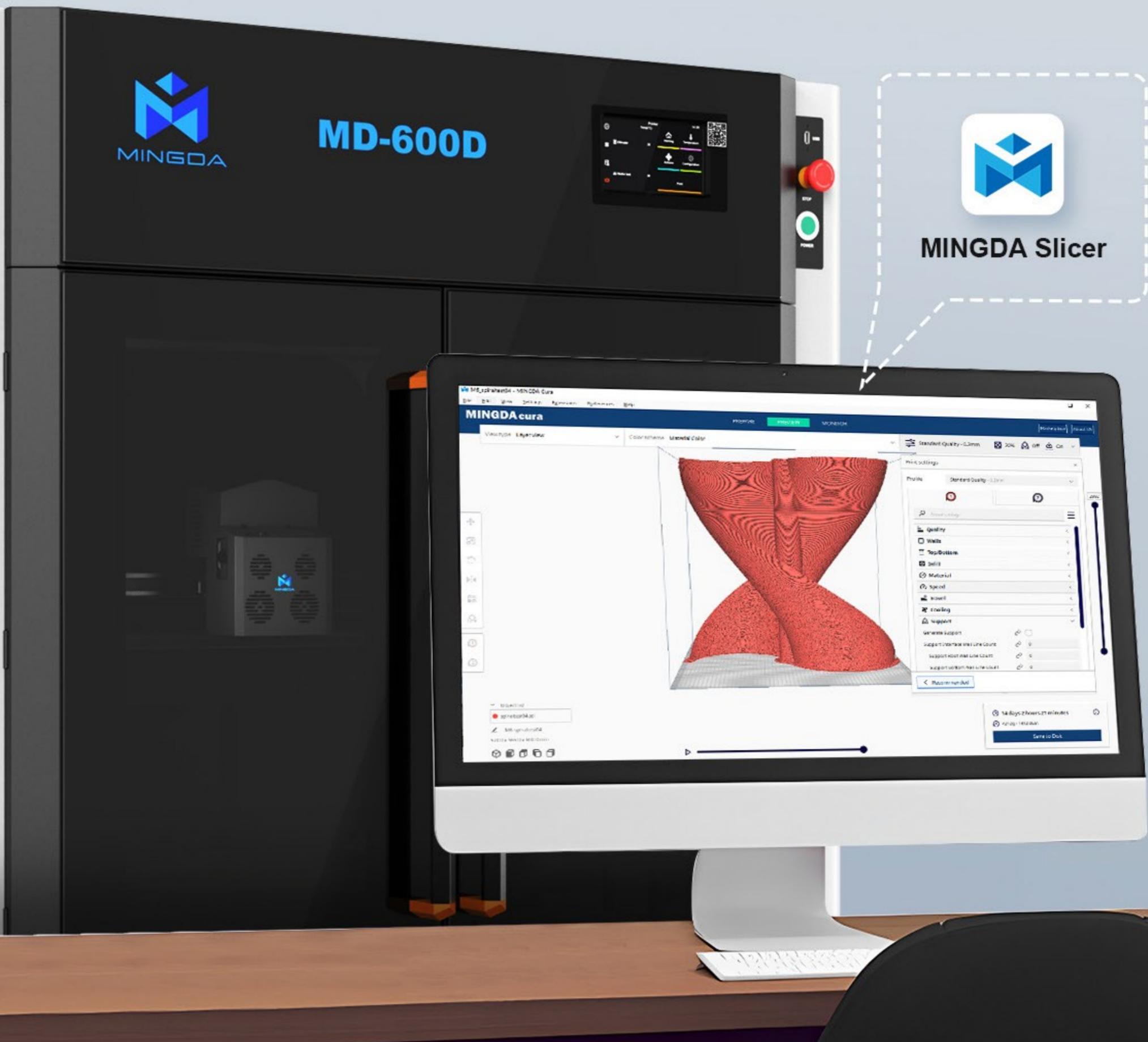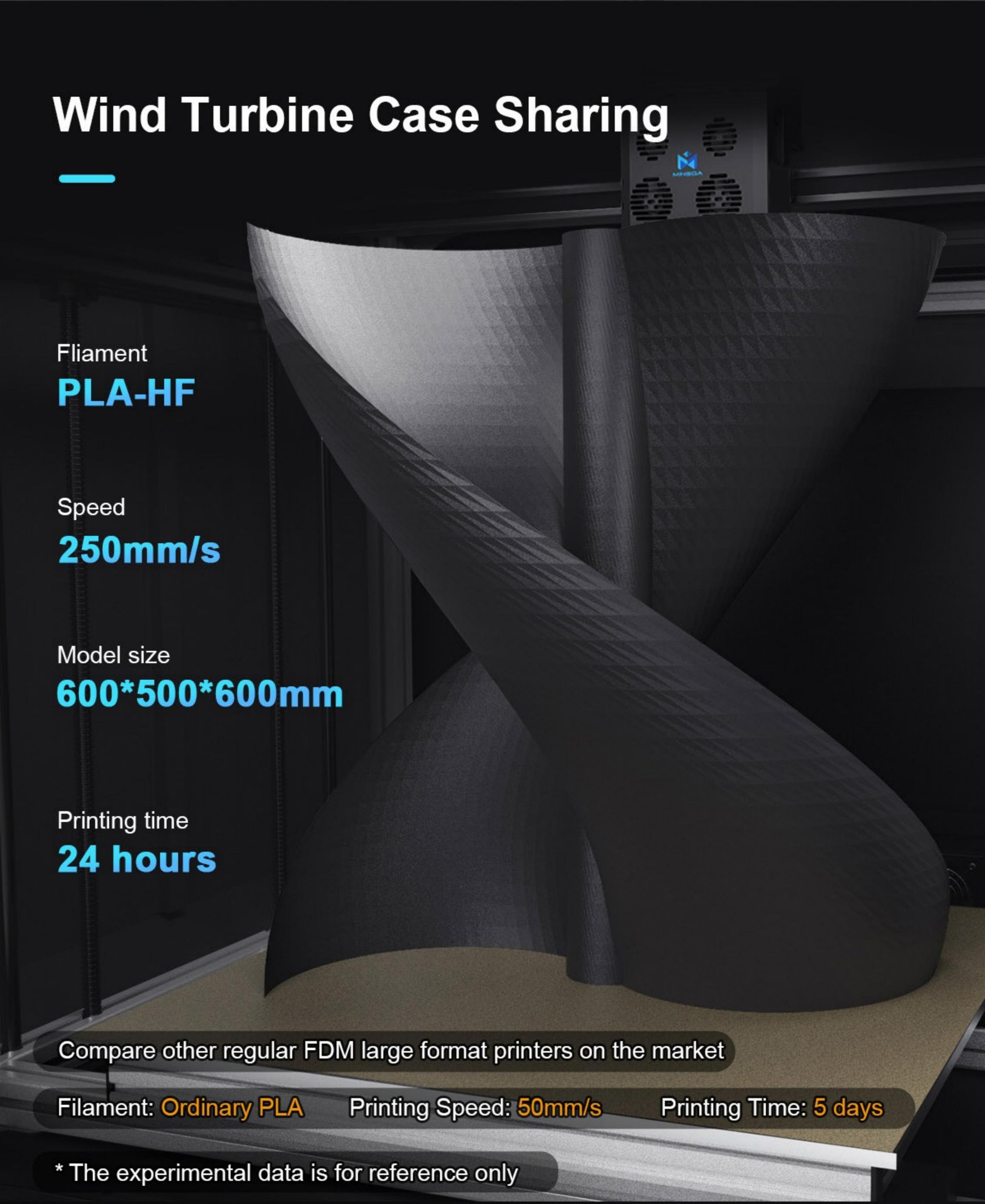Travel speed

300mm/s
High-Speed

40mm³/s
Max Flow

High Speed, Starting From Slicing

MINGDA Slicer, a new generation of self-developed slicing software, is easy touse, hasrichpresets, and is deeply optimized for high-speed printing.

MD-600D

MINGDA

MINGDA Slicer

Wind Turbine Case Sharing

Fliament
PLA-HF

Speed
250mm/s

Model size
600*500*600mm

Printing time
24 hours

Compare other regular FDM large format printers on the market
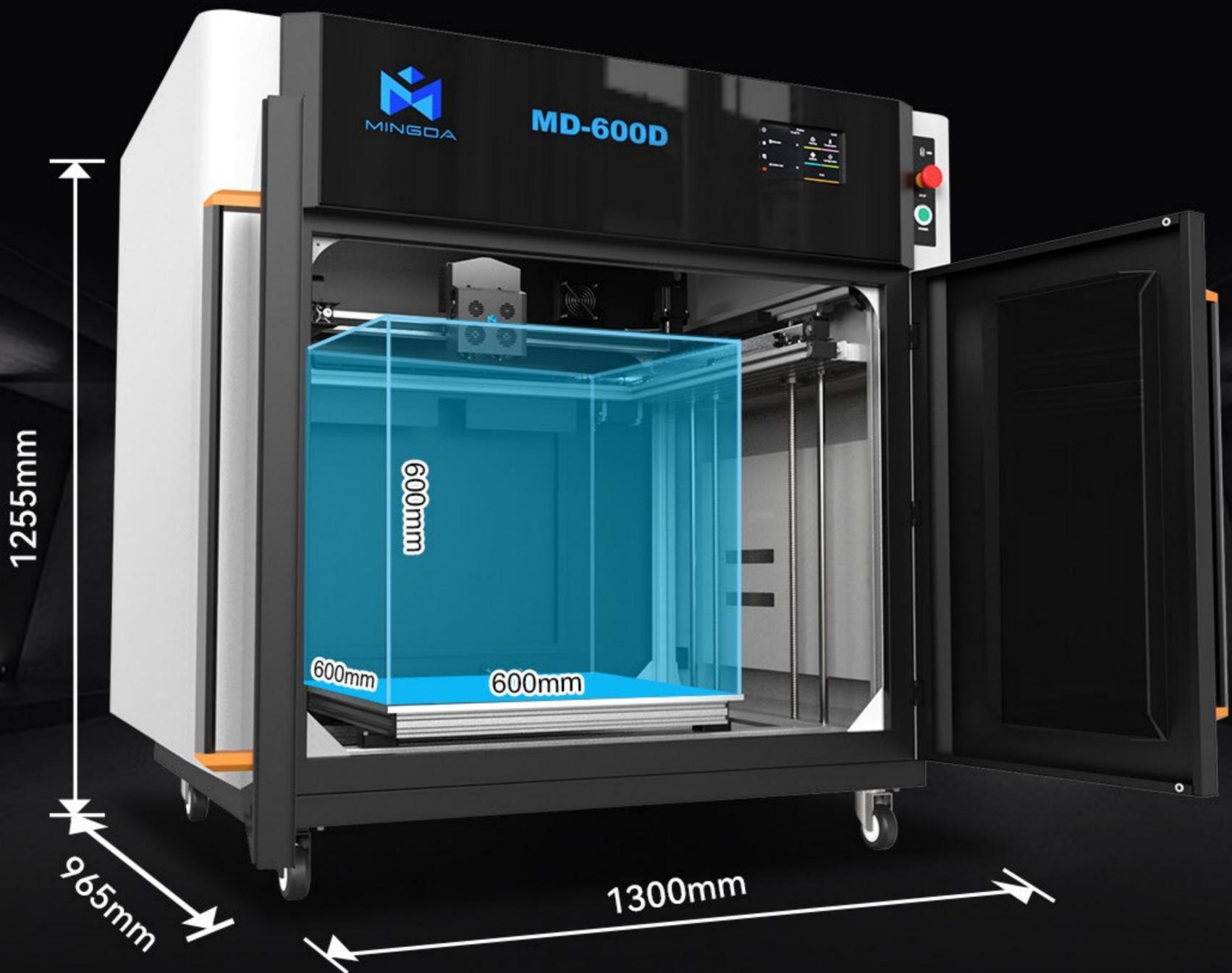
Filament: Ordinary PLA   Printing Speed: 50mm/s   Printing Time: 5 days

* The experimental data is for reference only

Large Printing Size

Large Printing Size: 600*600*600mm

Machine size: 1300*965*1255mm

MINGDA

MD-600D

1255mm

600mm

600mm

600mm

965mm

1300mm

We Provide
The Following Promises

Good after-sales service is the key to test whether
a company manufactures high-quality products

12
One Year
Warranty
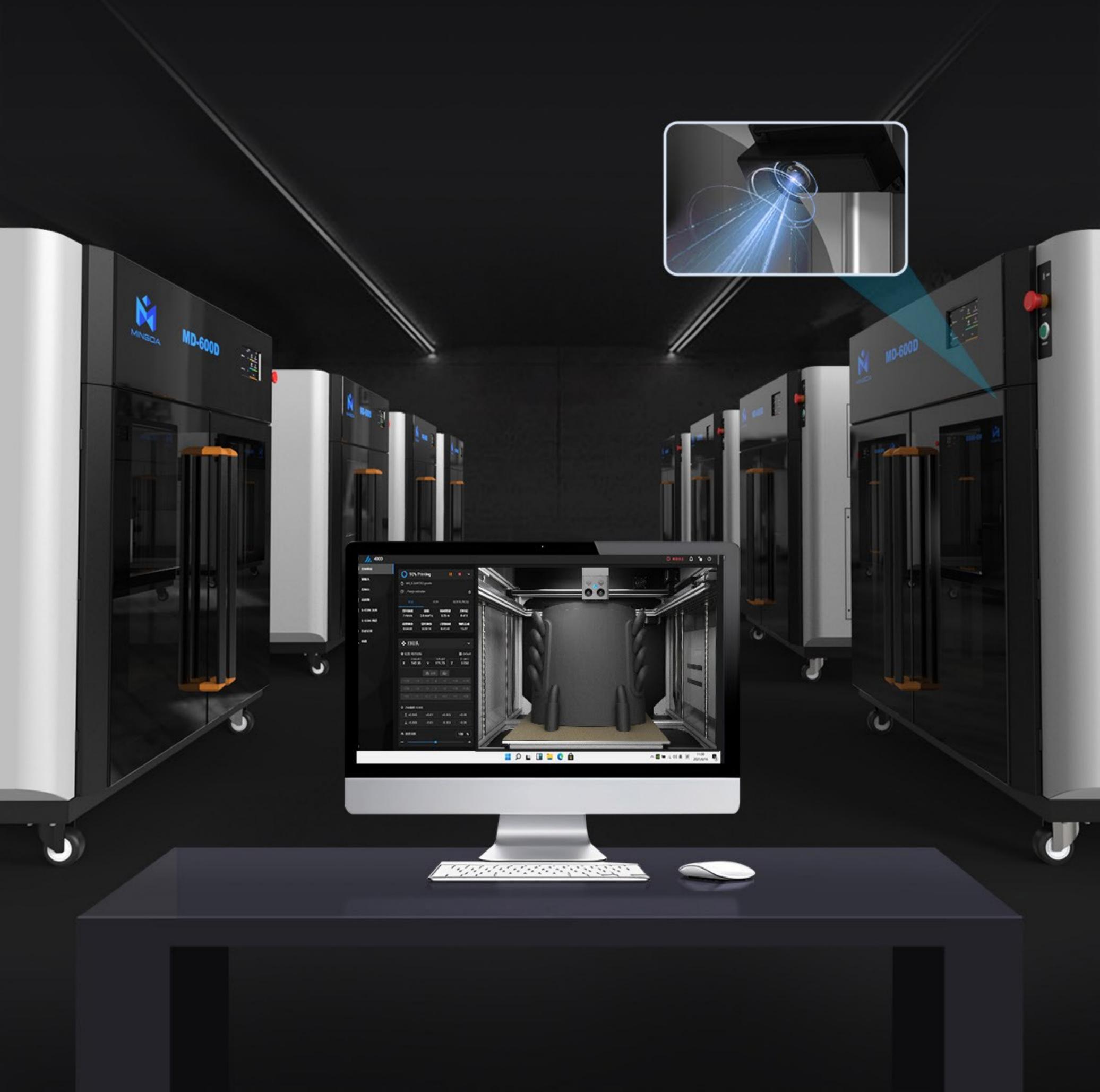
Lifetime
Maintenance

Factory
Direct Sales

Quality
Assurance

Technical
Support

# Remote Printing
Multi-Machine Control

After being connected via WiFi or network cable, the MD-600D can be remotely printed and monitored in real time. At the same time, it also supports multi machine control, facilitating rapid mass production.
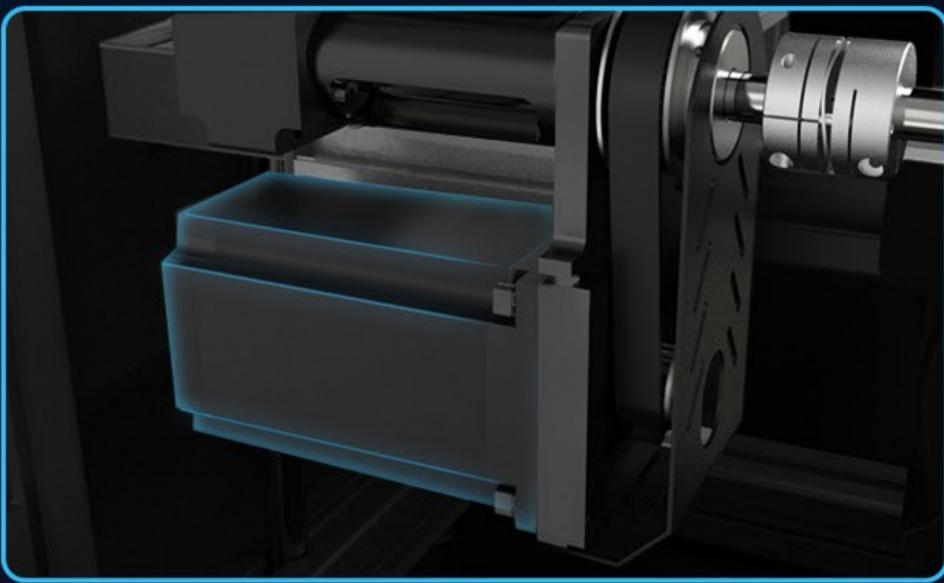
Hands-free Auto Leveling

Making preparation before printing more convenient, Accurate first layer detection.

10*10 Points
Auto Leveling

MINGDA
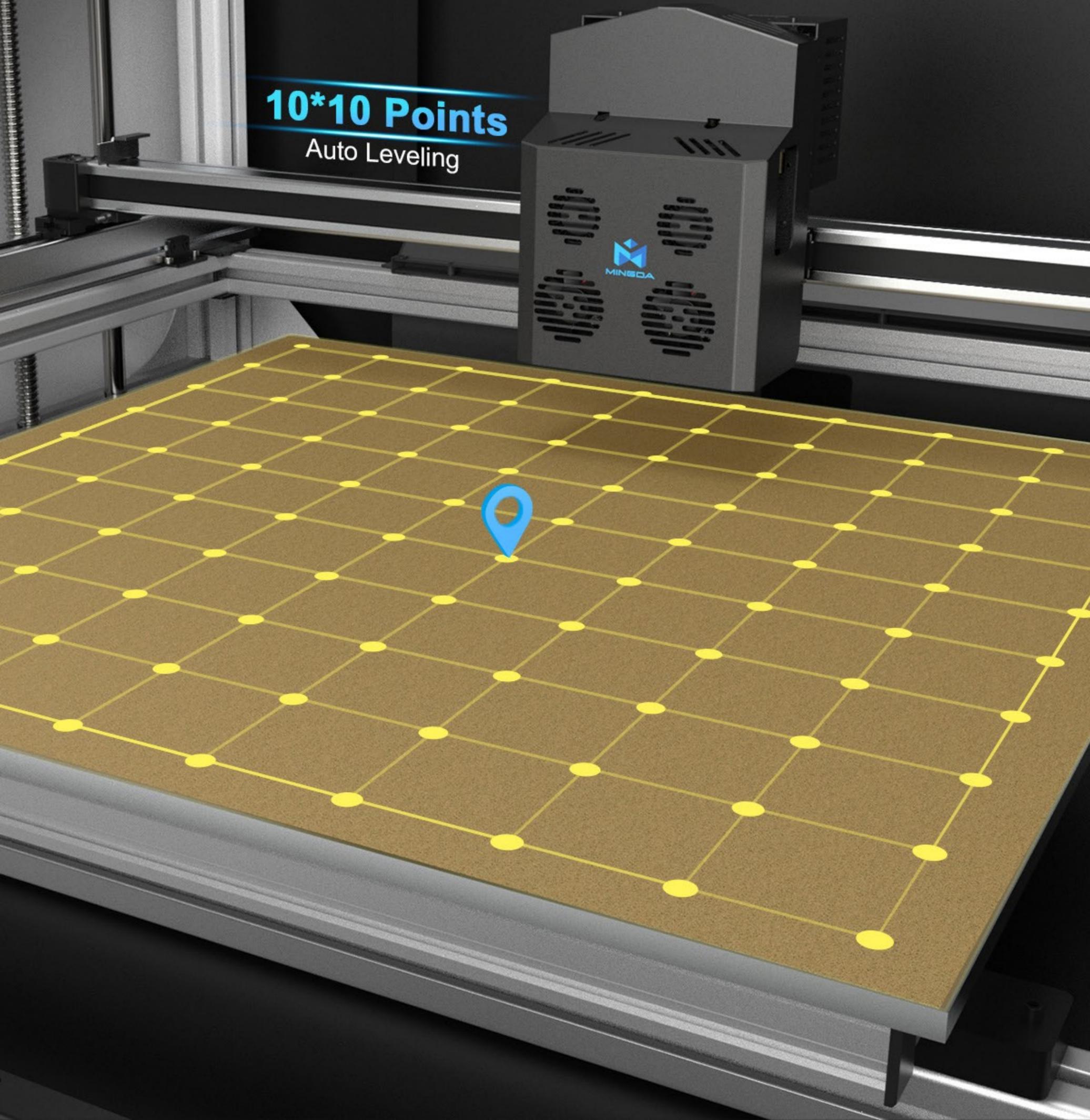
± 0.1mm High Precision

Using modular guide rail structure and closed-loop motor design to ensure the stability and accuracy of the printing process
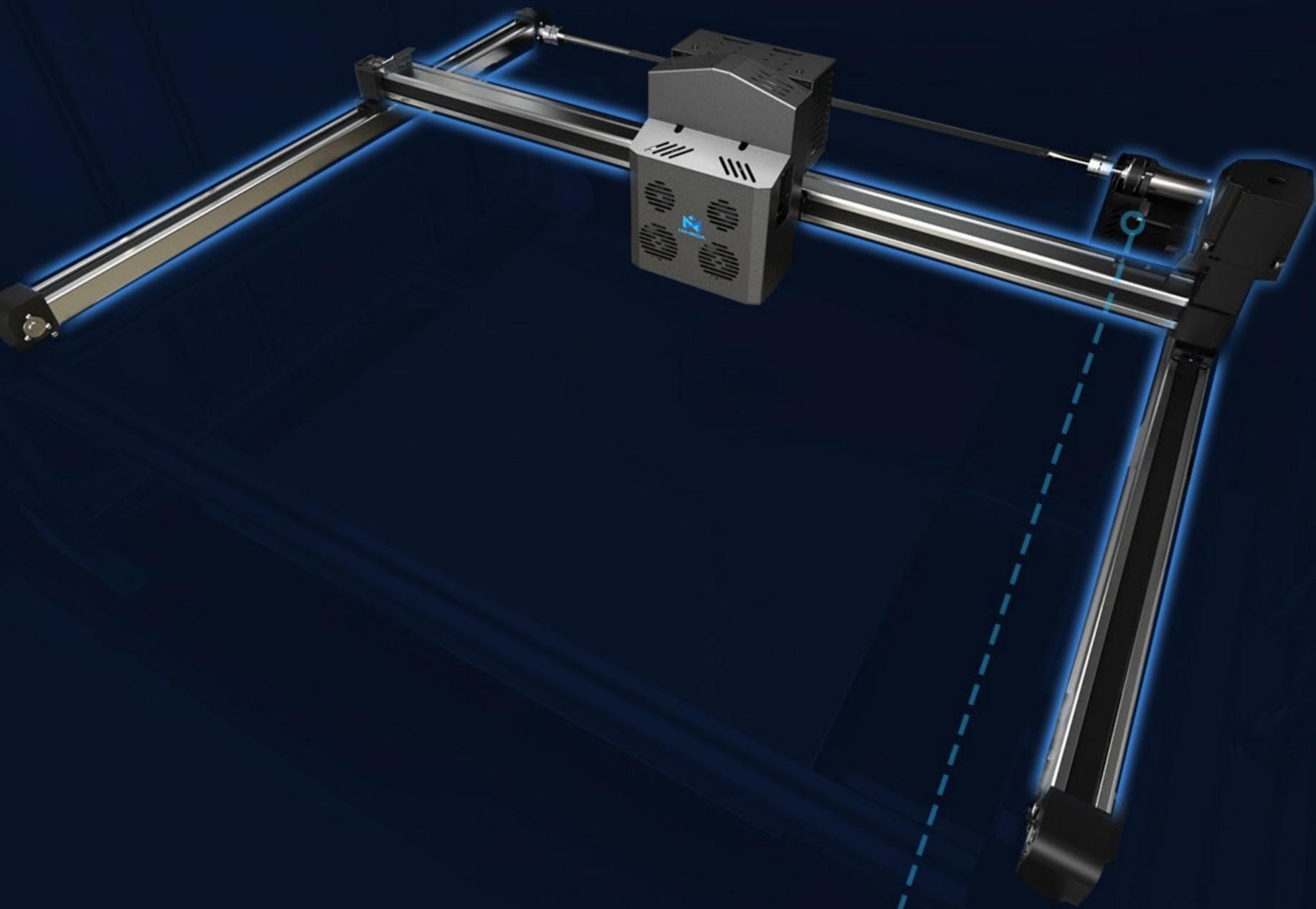
Closed-loop stepper motors

The MD-600D is equipped with closed-loop stepper motors. Compared to traditional open-loop stepper motors, it has powerful feedback capabilities, faster speeds, higher precision, and lower heat generation.

Excellent in Detail
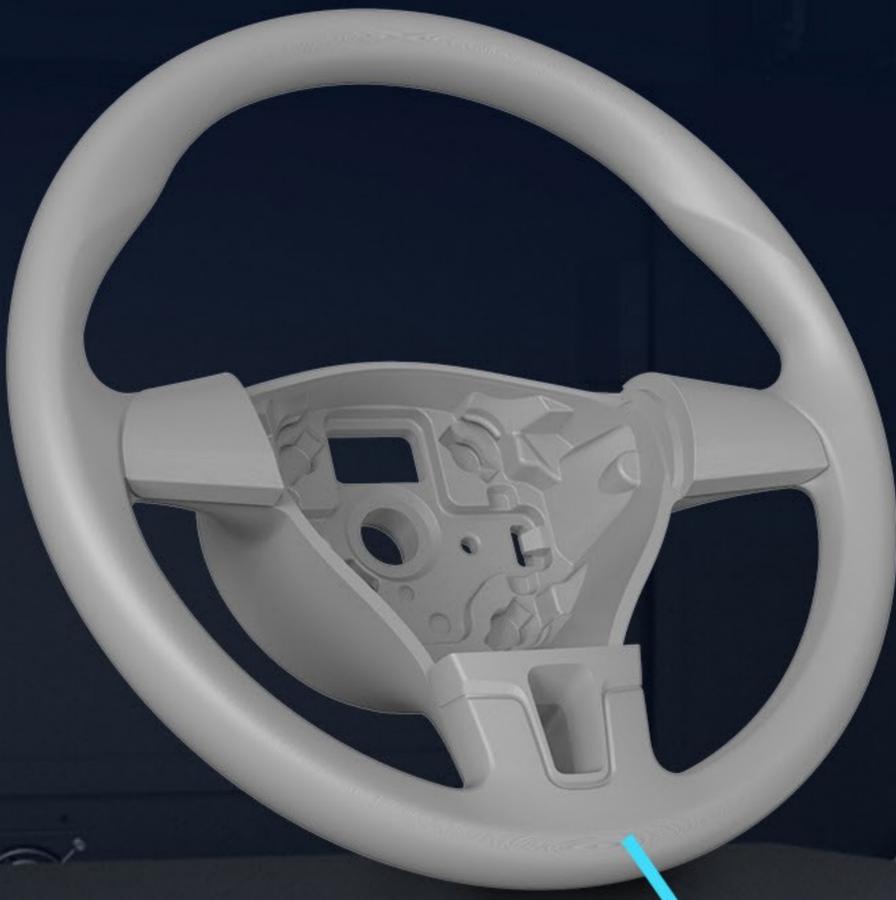
Input Shaper

Reduce vibration patterns and make the surface smoother
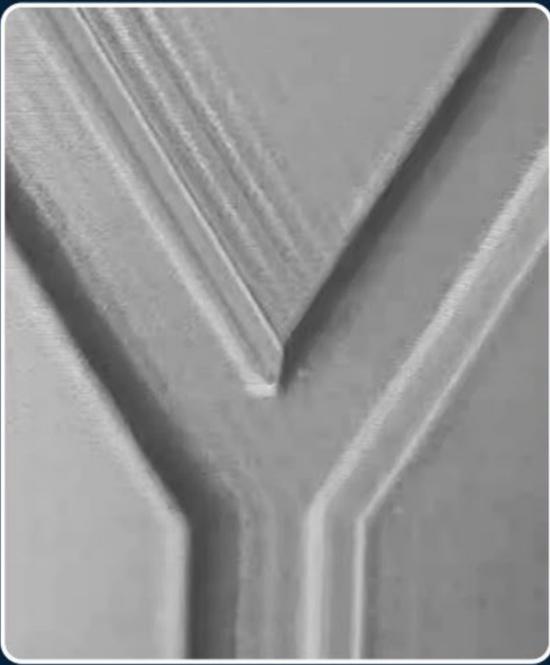
OFF
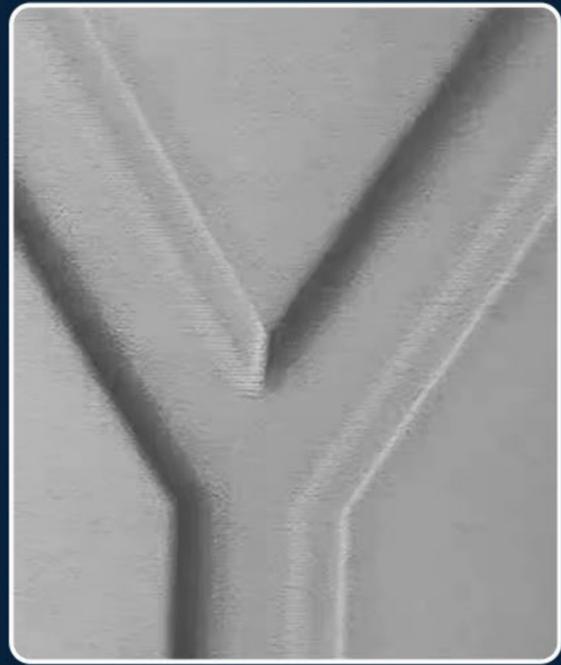
ON

Flow Control

Improved print quality and accuracy. Flow control allows precise management of the amount of filament being extruded, reducing errors like under/over-extrusion. This leads to smoother prints with sharper details.

OFF
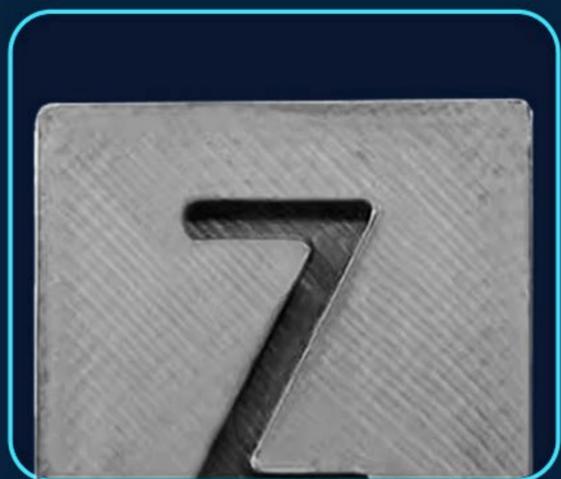
ON

New Cooling System Design

The dual cooling system truly takes model cooling to the next level with an aerodynamic air duct design that blasts models with intensely powerful directed airflow for enhanced cooling capabilities, crafting perfect prints.
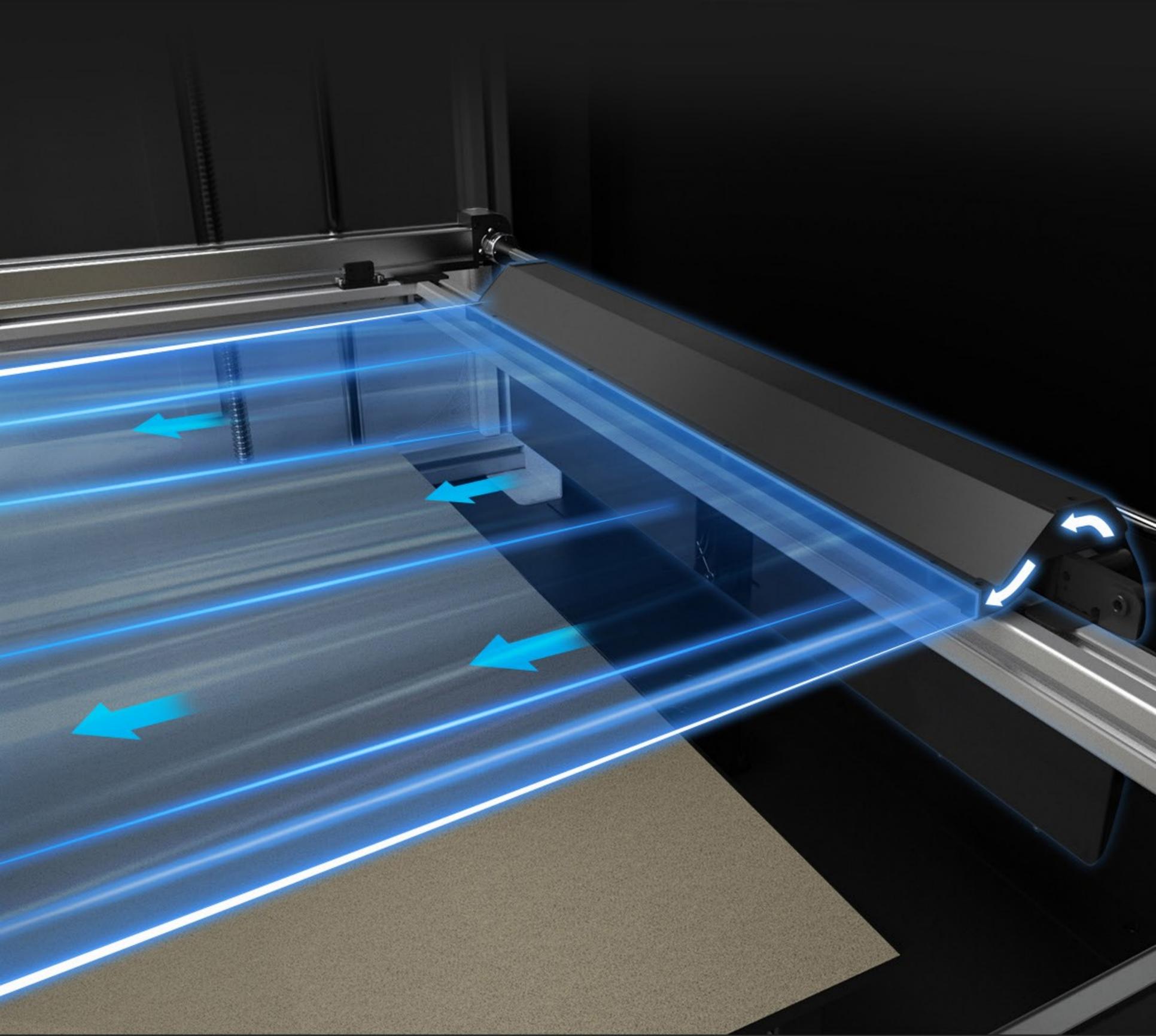
Speed cool solidification, effectively avoid stringing, warping

Mingda air cooling effect

Regular air cooling effect

PEI Flexible Printing Platform

It has strong adhesion, high temperature resistance, and is suitable for various consumables. It can be easily removed by bending.
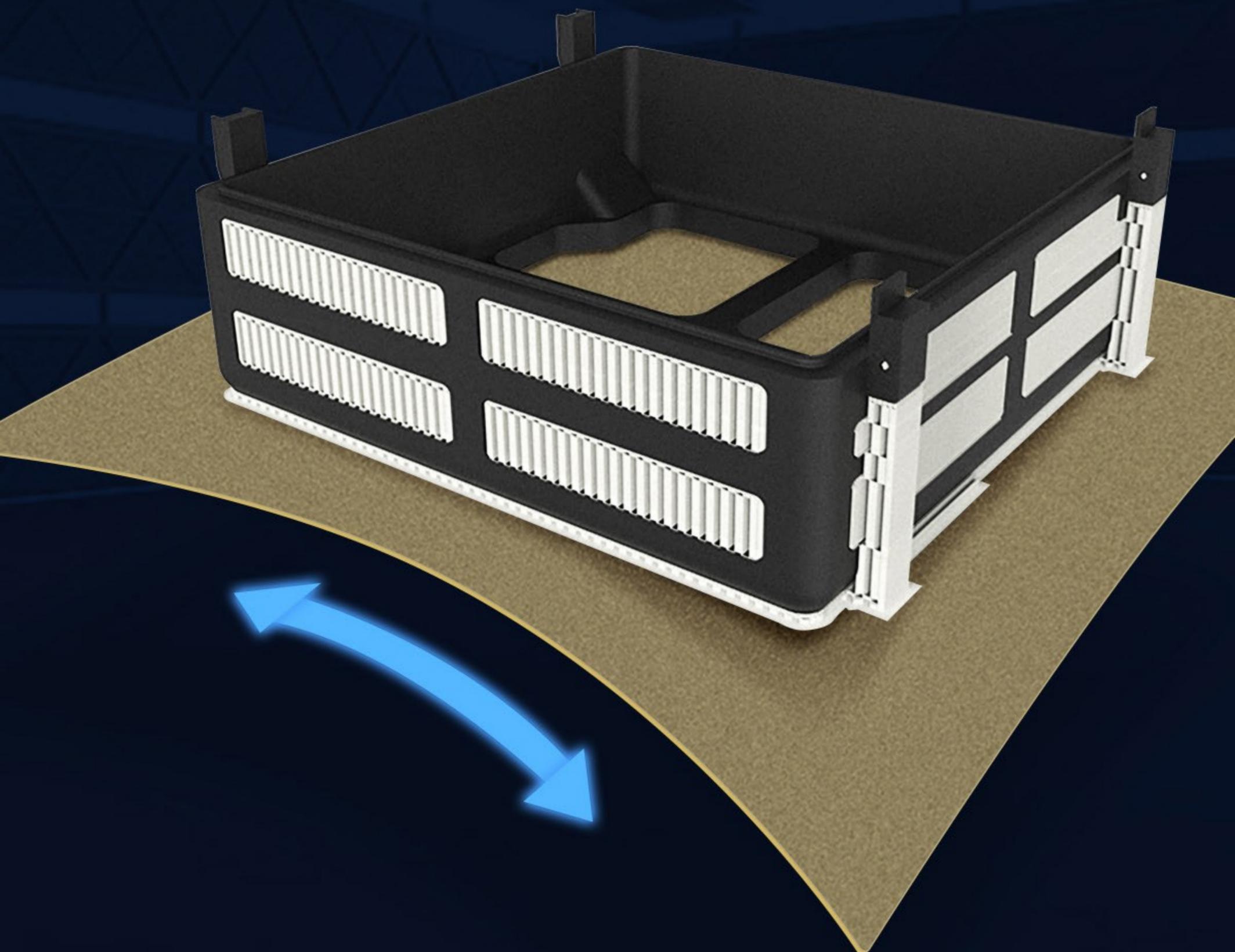
Quick Heating Bed

Max temperature of heating bed is 110°C. Aluminum alloy hot bed, evenly heated, can be heated to 60 degrees Celsius in about 75 seconds; The heating speed remains unchanged at 220V and 110V voltages.
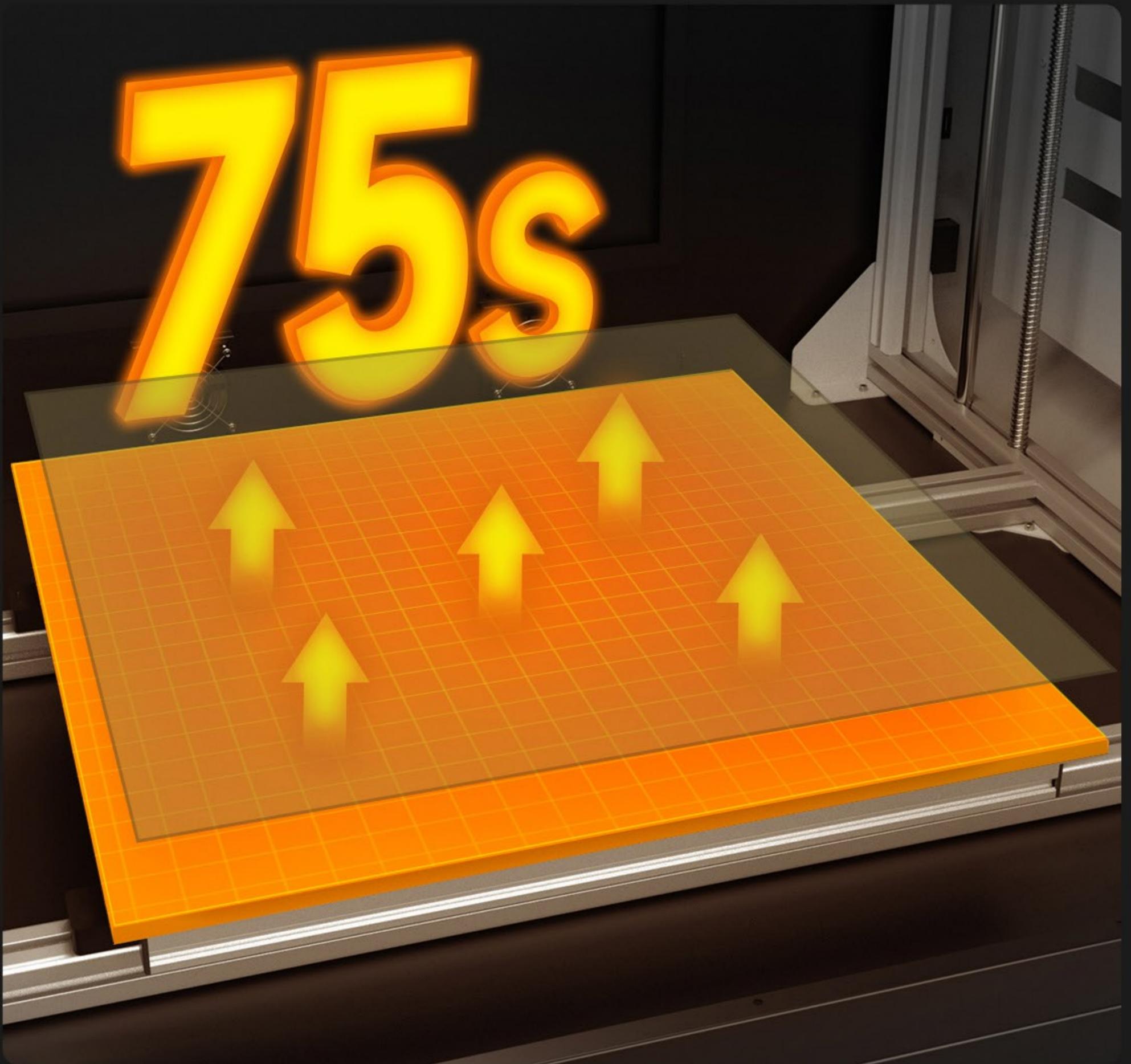
MINGDA Self-developed Core Hardware Delivers Speedy Smooth Performance.

This high-performance 64-bit self-developed motherboard, powered by the 6-core CPU, ensures fast processing of data and rapid completion of 3D printing tasks. With 32GB of memory, you can quickly store, export, and print large files with ease.

10-inch IPS
High-definition Large Screen

MD-600D has a 10-inch IPS 2.1 million high-definition computer screen. Compared with traditional LCD screens, it can see bright, saturated, and natural high-quality images from any angle. At the same time, it is more environmentally friendly and saves electricity.

0 30°   32°

MINGDA
Temp(°C)

Extruder   30

Extruder 1   30

Heater bed   32

Host Temperature   51/40

14:09

Move
Preheat
Extrude
Settings
Print
General

60
40
20
0
7:50   7:54   7:58   8:02   8:06

Support multiple languages

1. English
2. Danish
3. German
4. Spanish
5. French
6. Hebrew
7. Hungarian
8. Italian
9. Japanese
10. Korean
11. Poland
12. Portugal
13. Russia
14. Sweden
15. Turkey
16. Ukraine
17. Chinese
18. Dutch
19. Czech
etc

Self Check when Power on

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When power on it can automaticly check the status of the extruder, hot bed, camera, automatic leveling, fan, and other components; If there are any abnormalities, a prompt will be displayed on the printer screen for quick and convenient processing.

Printer

Do not touch the printer during power-on self-test.

Nozzle Heating ✓

Bed Heating ✓

Nozzle Cooling Fan ↻

Hotend Cooling Fan

Material Detect

Confirm

Smart Resume
Printing Function

The machine can automatically resume printing after power offer，less worries on print failure.
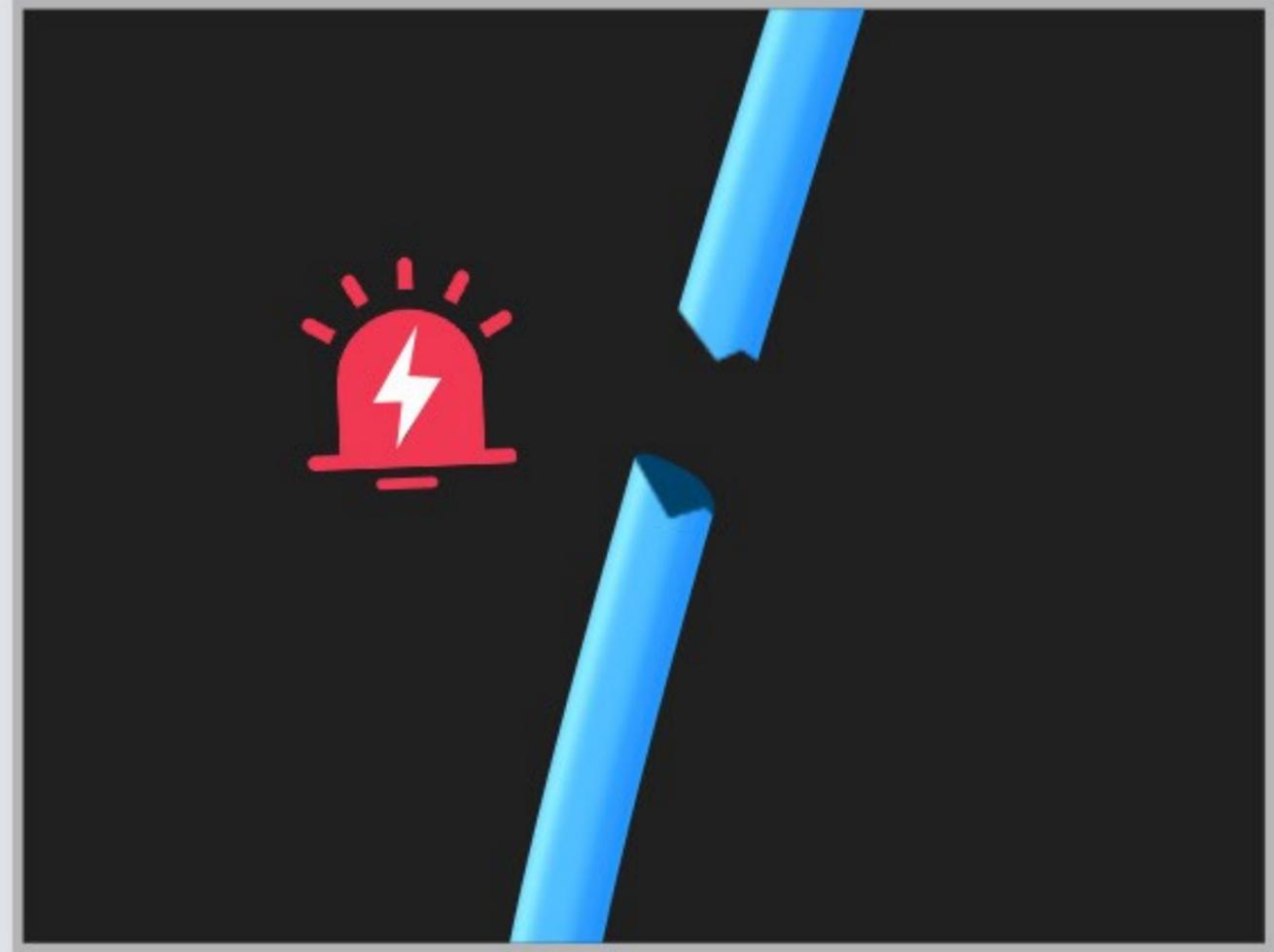
Automatic Filament
Detection

It will pause the printing process, if the filament run out or if the filament is broken.

Compatible With Various Filaments

Common filament
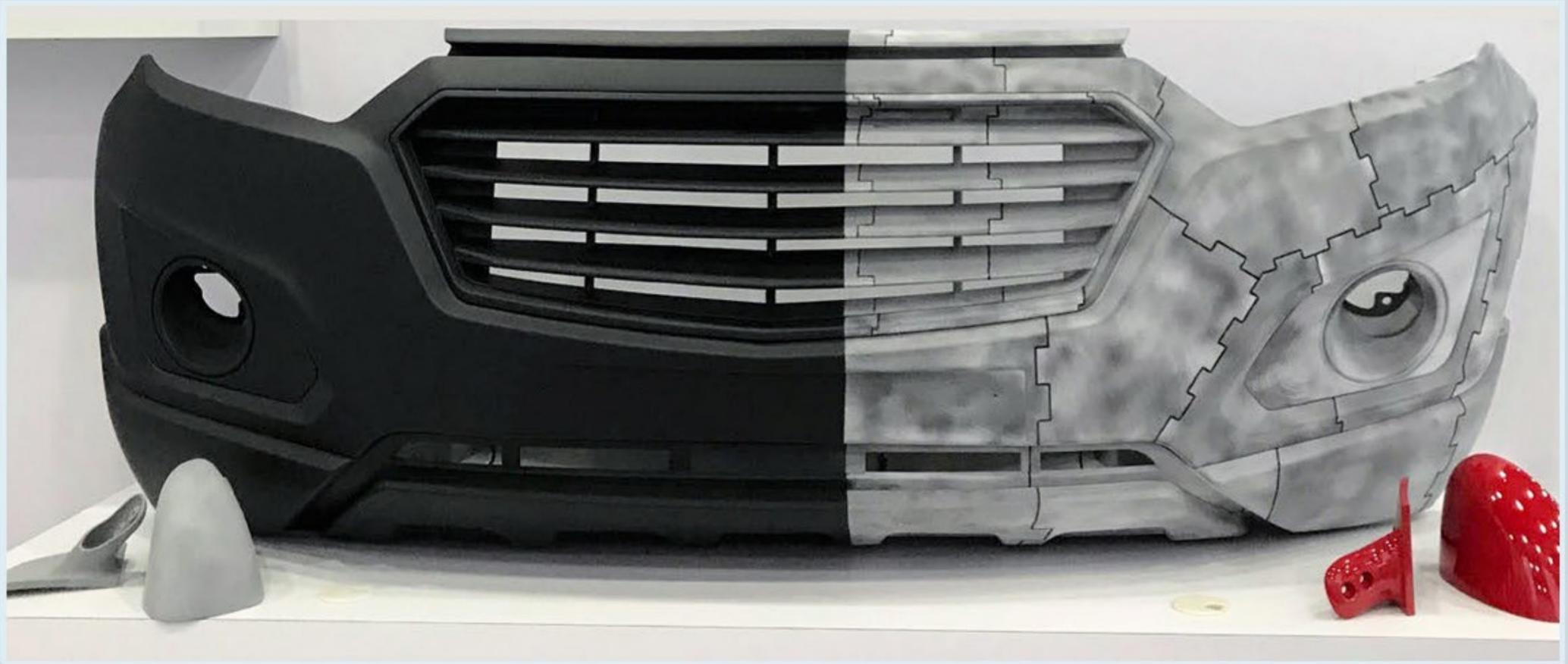
PLA, TPU, PETG, etc

Support filament

S-Mulit, S-HtPA, PVA, etc

Engineering filament

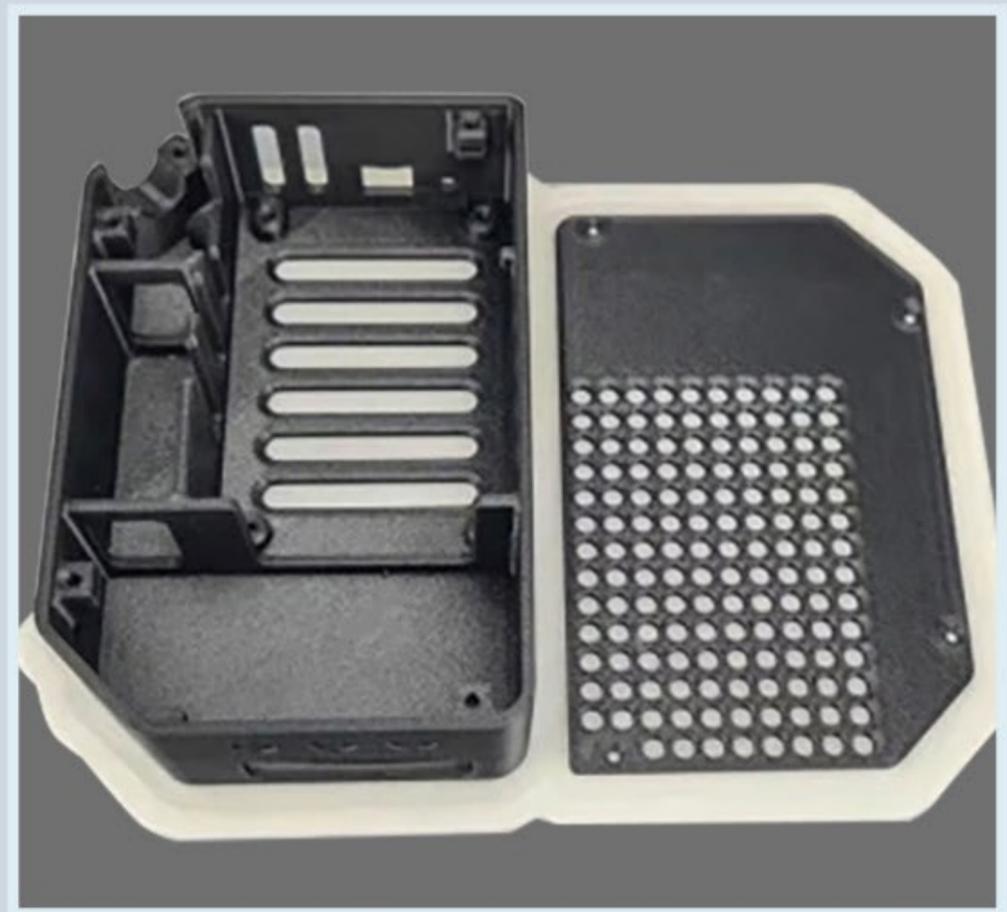HtPA, PET-GF, PET-CF, PA12-CF, HTPA-GF, HTPA-CF, PA-GF25, PA-CF25, etc

Applicable Industries

Automotive industry
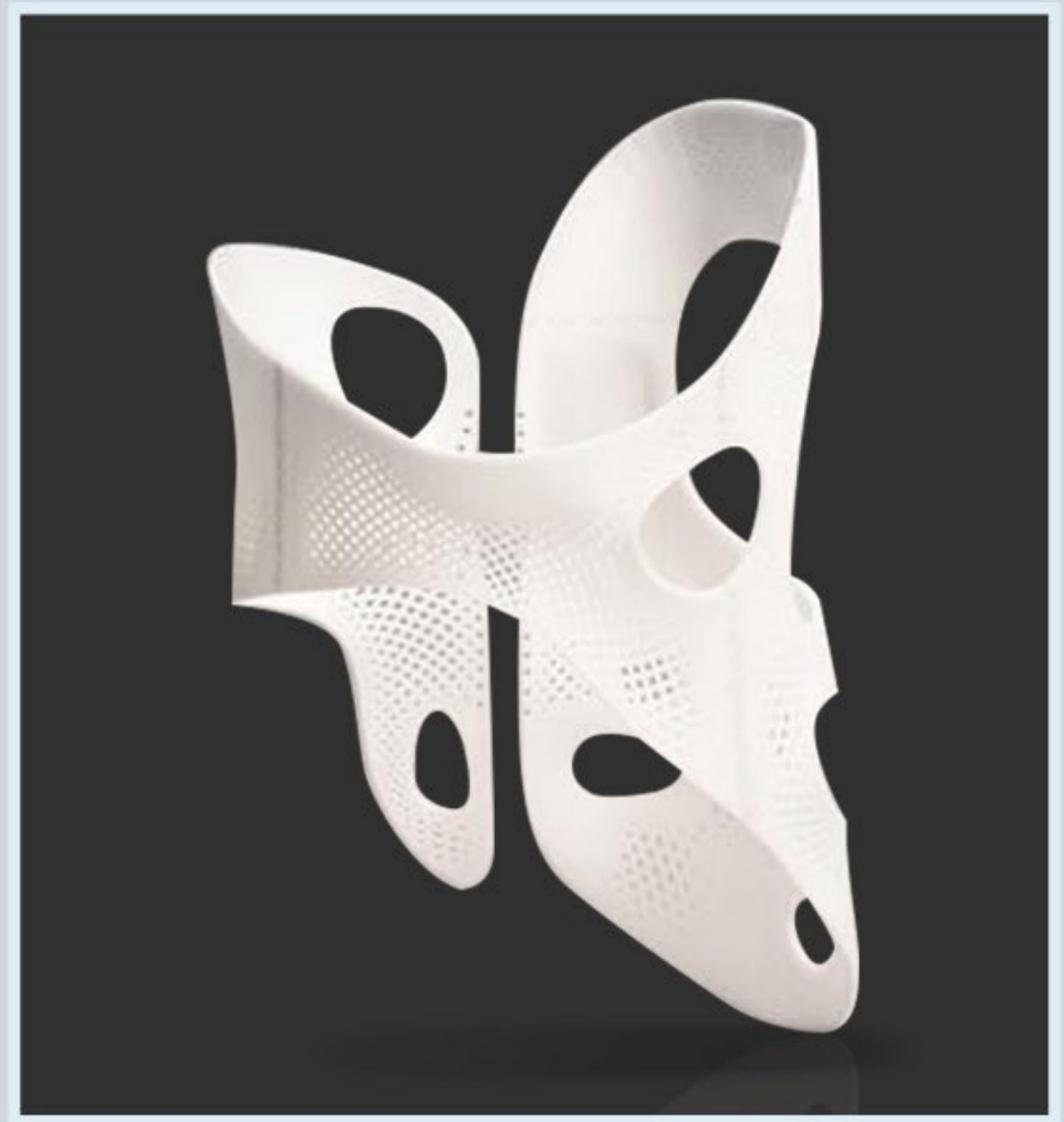

Functional prototyping

Injection mold

Fixture

Prototyping and design

Portrait

Medical Industry

Product Parameters

Model	MD-600D
Print Technology	Fused Deposition Modeling(FDM)
Print Volume	600*600*600 mm
Machine Dimensions	1300*965*1255 mm
Extruder Type:	Dual Extruders
Nozzle Diameter:	0.4mm (0.6, 0.8, 1.0 mm optional)
Extruder Temperature	≤350°C
Platform Temperature	≤110°C
Max Flow	40mm³/s
Max Print Speed	500mm/s (Recommend Printing Speed: 200-300mm/s)
Support Software	MingDa OrcaSlicer, Prusa Slicer, etc
Filament Compatibility	Common filament: PLA, TPU, PETG; Engineering filament: PA-CF/GF, PET-CF/GF, HtPA-CF/GF, PA-GF25/CF25; Support filament: S-Mulit, S-HtPA, PVA, etc
Display Screen	7-inch HDMI touch screen
Input Voltage	100/240AC 50/60Hz
Rated Power	1400W (Hot Bed Power: 1200W)
Firmware	klipper