

MD-6H

# HIGH PRECISION INDUSTRIAL GRADE 3D PRINTER



High precision  
printing



5.0 full color  
Hd touch screen



Resume  
printing



Filament  
detection



Quick Heating



LED Light



Advanced cooling  
system



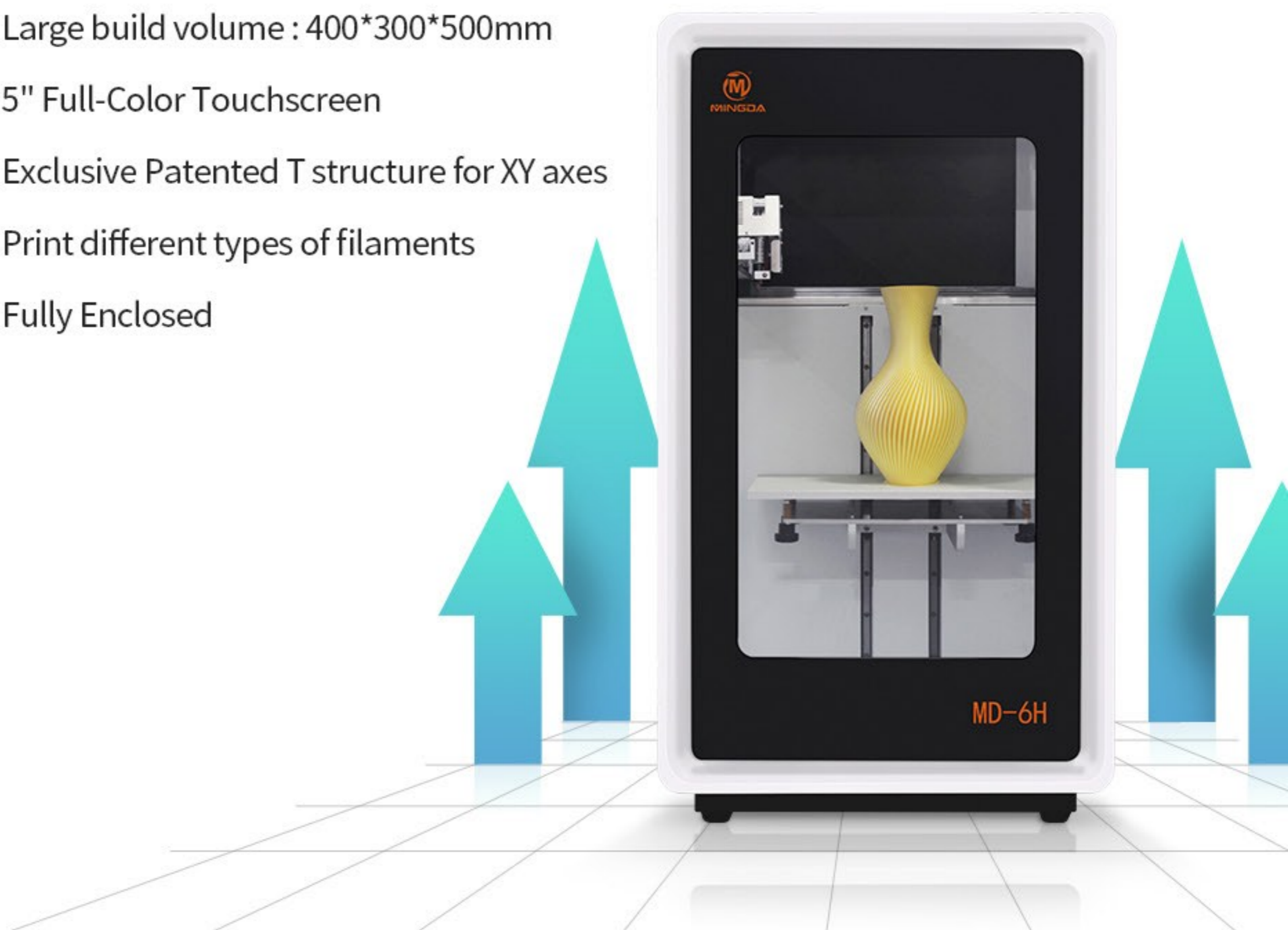
wide range  
of filaments

# MACHINE PARAMETERS

|                             |                                    |
|-----------------------------|------------------------------------|
| Model                       | MD-6H                              |
| Build Size                  | 400x300x500mm                      |
| Machine size                | 685x595x995mm                      |
| Machine weight              | 69kg                               |
| <b>PRINTING</b>             |                                    |
| Print technology            | FDM(Fused Deposition Modeling)     |
| Layer thickness             | 0.05-0.3mm                         |
| Positioning precision       | XY 0.006mm; Z 0.0015mm             |
| Nozzle diameter             | 0.4mm                              |
| Nozzle temperature          | 0-275°                             |
| Platform temperature        | 0-110°                             |
| Nozzle moving speed         | 0-200mm/s (recommended 40-80mm/s ) |
| Printing material           | PLA/ABS/TPU/Nylon,etc              |
| <b>SOFTWARE</b>             |                                    |
| Operation software          | Cura, Simplify3D (provide Cura)    |
| File type                   | Stl, Obj, Gcode                    |
| Connectivity                | USD, SD card                       |
| Support                     | Windows, Linux, Mac OX             |
| 3D design software          | UG, SolidWorks, PROE, 3dmax etc    |
| <b>Electrical And other</b> |                                    |
| AC Input                    | 95-265V, 50/60HZ                   |
| Machine power               | 700W                               |

# UPGRADED MINGDA MD-6H

- High precision industrial 3d printer MD-6H
- Large build volume : 400\*300\*500mm
- 5" Full-Color Touchscreen
- Exclusive Patented T structure for XY axes
- Print different types of filaments
- Fully Enclosed



## • PRODUCT ADVANTAGES •

### Autonomous R&D



Our 3D printers are all self-developed, we have more than 20 patents

### Plug and play



Our machines are assembled, plug and play, and easy to operate.

### Slicing software



Our slicing software is self-developed, with a simple interface and powerful functions.

### Certification



Our machines have passed the EU CE certification and the US FCC certification

### Print test



Each of our machines undergoes a 48-hour print test before leaving the factory.

### Factory



We are a manufacturer with a mature and complete supply chain system.

# PROFESSIONAL INNER STRUCTURE

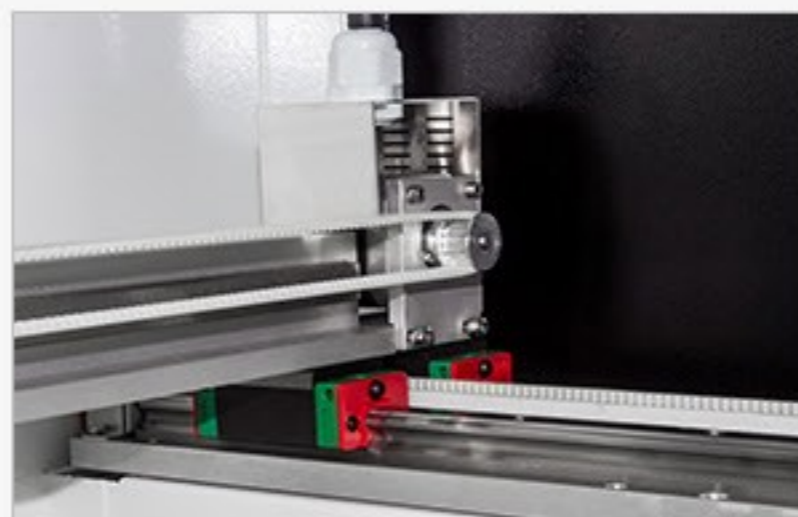


## Newest professional exclusive patent inner T structure

The new version of MD-6H XYZ axes adopts a new **cantilever beam structure**.

MINGDA's exclusive motion control system, as well as the exclusive patented cantilever beam structure, combined with linear guide rails, multi-point support, so that the machine **won't have any shaking** during the printing process, **making the machine more stable during the printing process**.

This structure is **more advanced and stable**, Improved XY-type transmission mechanism increases printing speed by up to 20%.



## Full linear guide rails structure of MINGDA 3D Printers

The accurate linear rail structure can print models in accuracy high reach to 50 times higher than the other ordinary optical axis/ screw structure printers on the mass market. This structure offer greater precision, better mounting, and smoother motion, improving print quality and printer reliability.

# 10MM THICKENED ALUMINUM HOT BED

- Stric horizontal calibration before leaving the factory. Users can use it without leveling after receiving the machine. And easy for leveling.
- 10mm thickness heating bed, more strong and more flat.
- Anodizing hot bed, resistant to corrosion.
- Using the exclusive heating pad, can be quickly heated to 110 degrees.
- Can print PLA, ABS, TPU, carbon fiber and many other different materials



## BIG NUT DESIGN

Easily adjust the hot bed

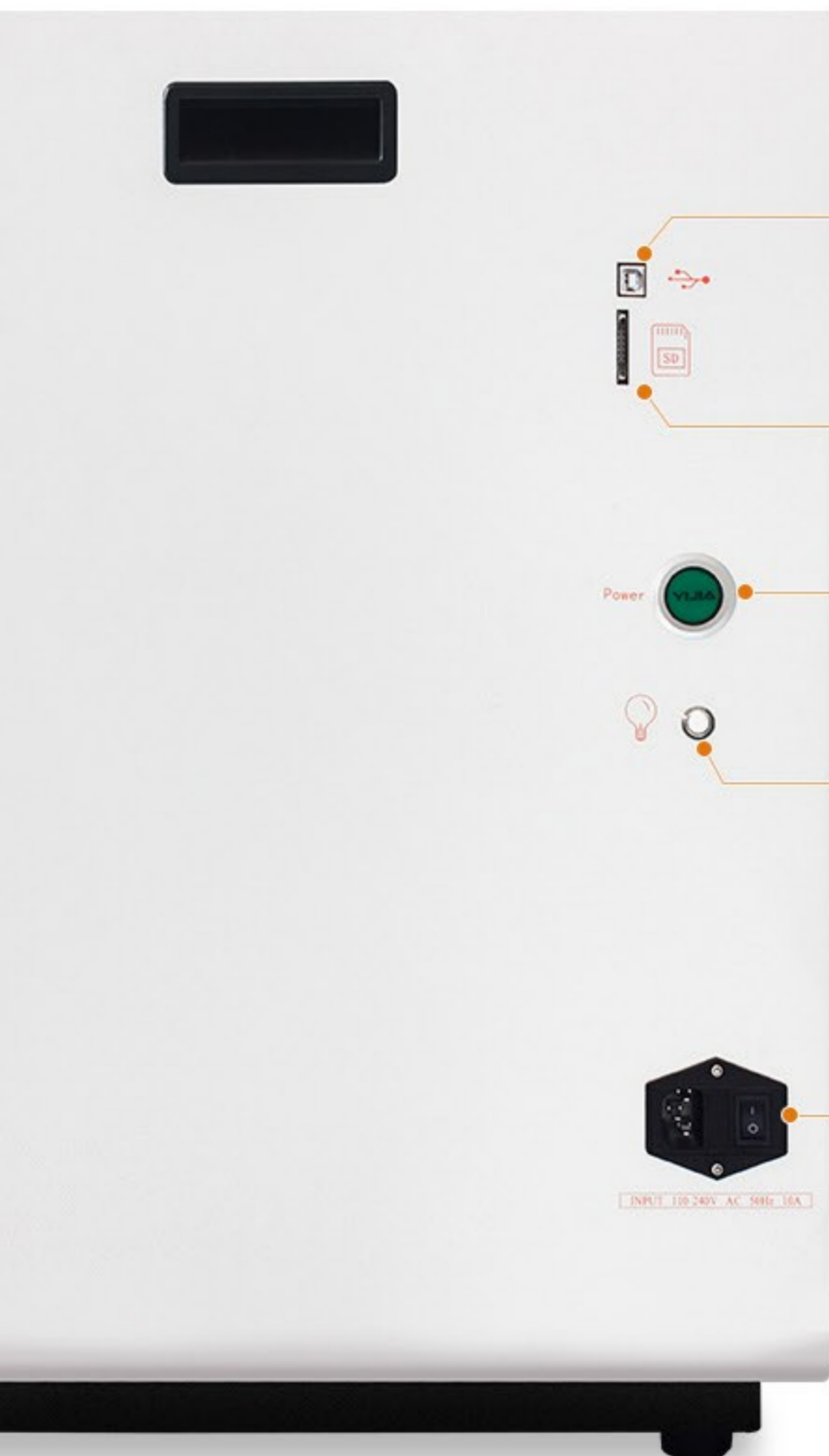
# RESUME PRINTING & FILAMENT DETECTION

INDUSTRIAL POWER SWITCH

RESUME PRINTING AFTER POWER FAILURE,

FILAMENT DETECTION,

SUPPORT SD CARD OFFLINE & USB ONLINE PRINTING



USB Online Printing

SD card offline Printing

**Power Switch**

Industrial power button  
With automatic shutdown after printing

**LED light Switch**

Choose whether to turn on the LED light  
It is convenient for you to check the  
printing status at any time

**Power supply socket**



## FILAMENT DETECTION

When there are no consumables, the intelligent suspension warning, Improve printing success rate and save time.



Normally



Intelligent reminder when filament is insufficient or broken

## RESUME PRINTING AFTER POWER CUT

**Built-in UPS**, when the machine is powered off, the machine will automatically suspend printing, and return to the home point, when the power on, the machine will continue to complete the remaining printing work from the point of suspension.

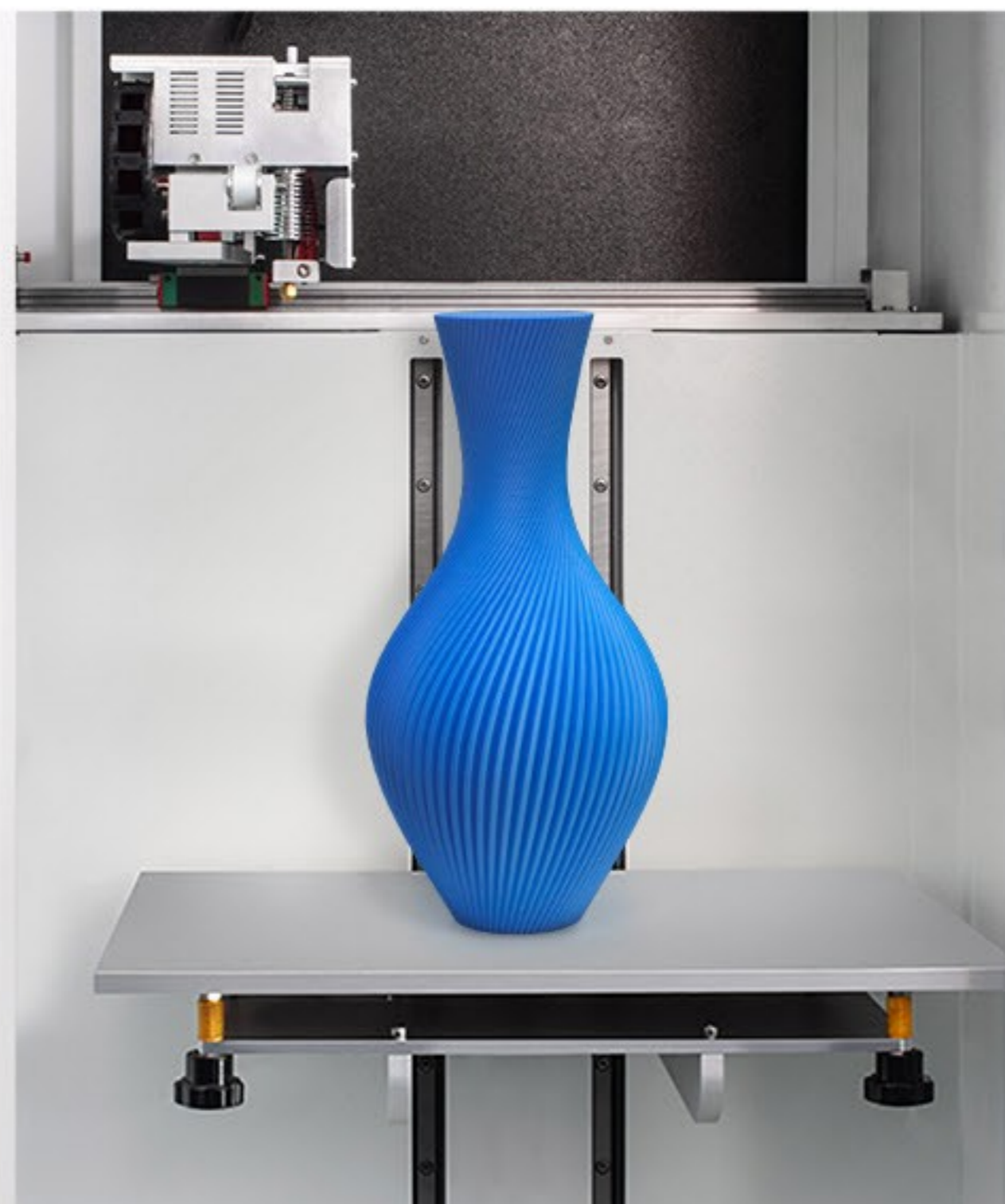
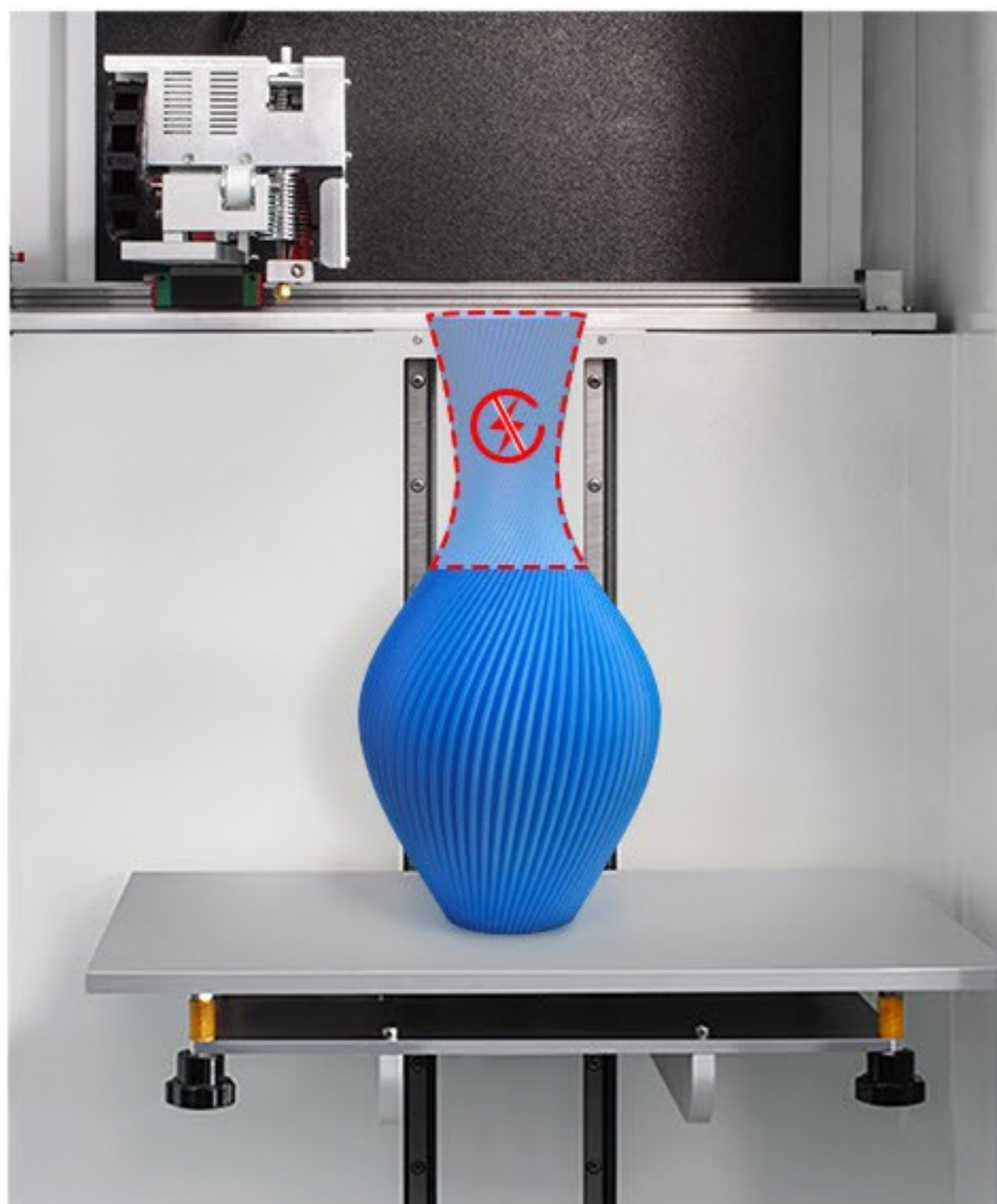
The industrial-grade UPS function will not damage the printing model and reduce the problem of unevenness of the two parts after printing.



Accident power loss



Continue printing



## ALL ALUMINIUM UPGRADE EXTRUDER PARTS

- Newest cooling system, heat dissipation block+ vortex fans, can help the extruder and the nozzle to achieve better cooling. Upgrading the cooling system helps to increase the speed of hardening, improving accuracy
- Self-patent nozzle max temperature 275 degree, no blocking and drawing Direct Drive extruder. Ability to Print Multi Kinds of Filaments, including Flexible Material, such as TPU etc



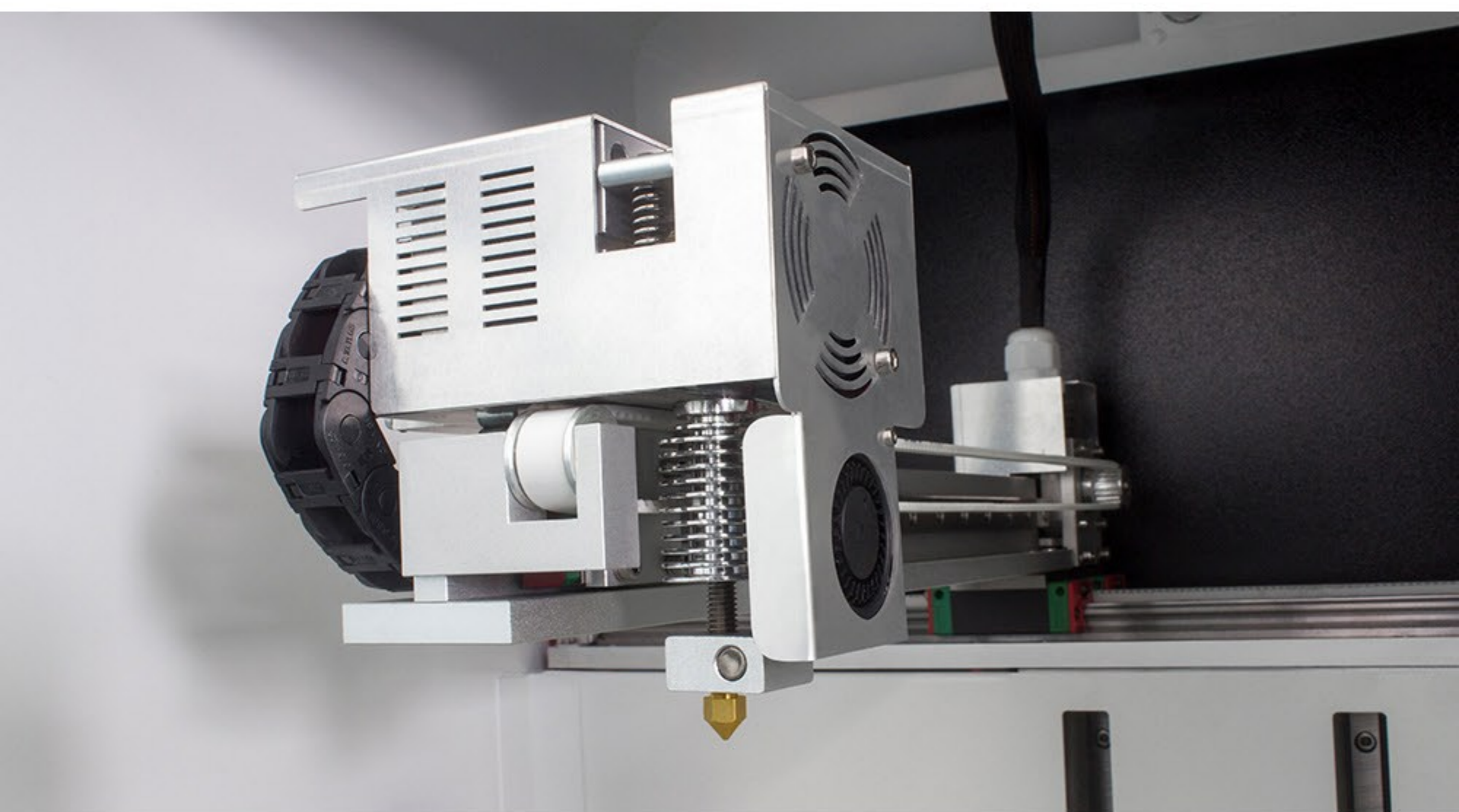
Newest cooling system



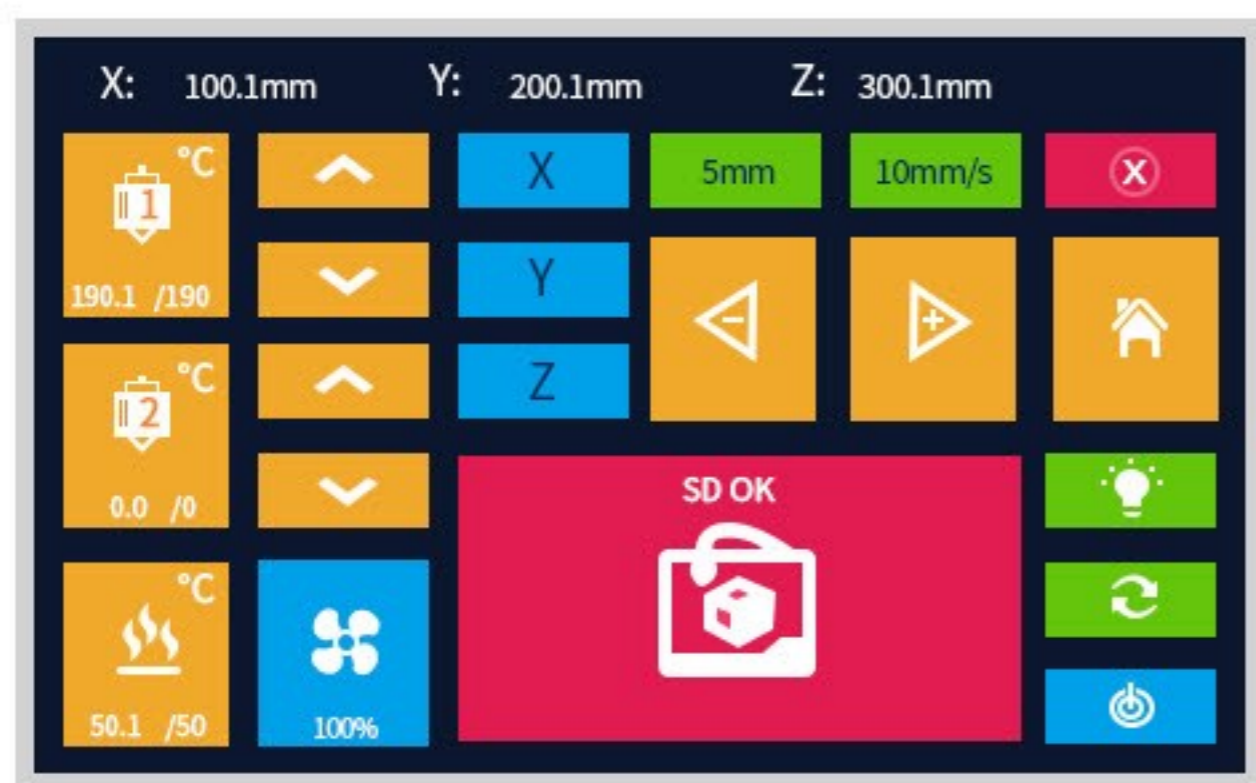
No blocking



Wide range of filaments



## 5.0 INCH LCD TOUCH SCREEN ENGLISH INTERFACE

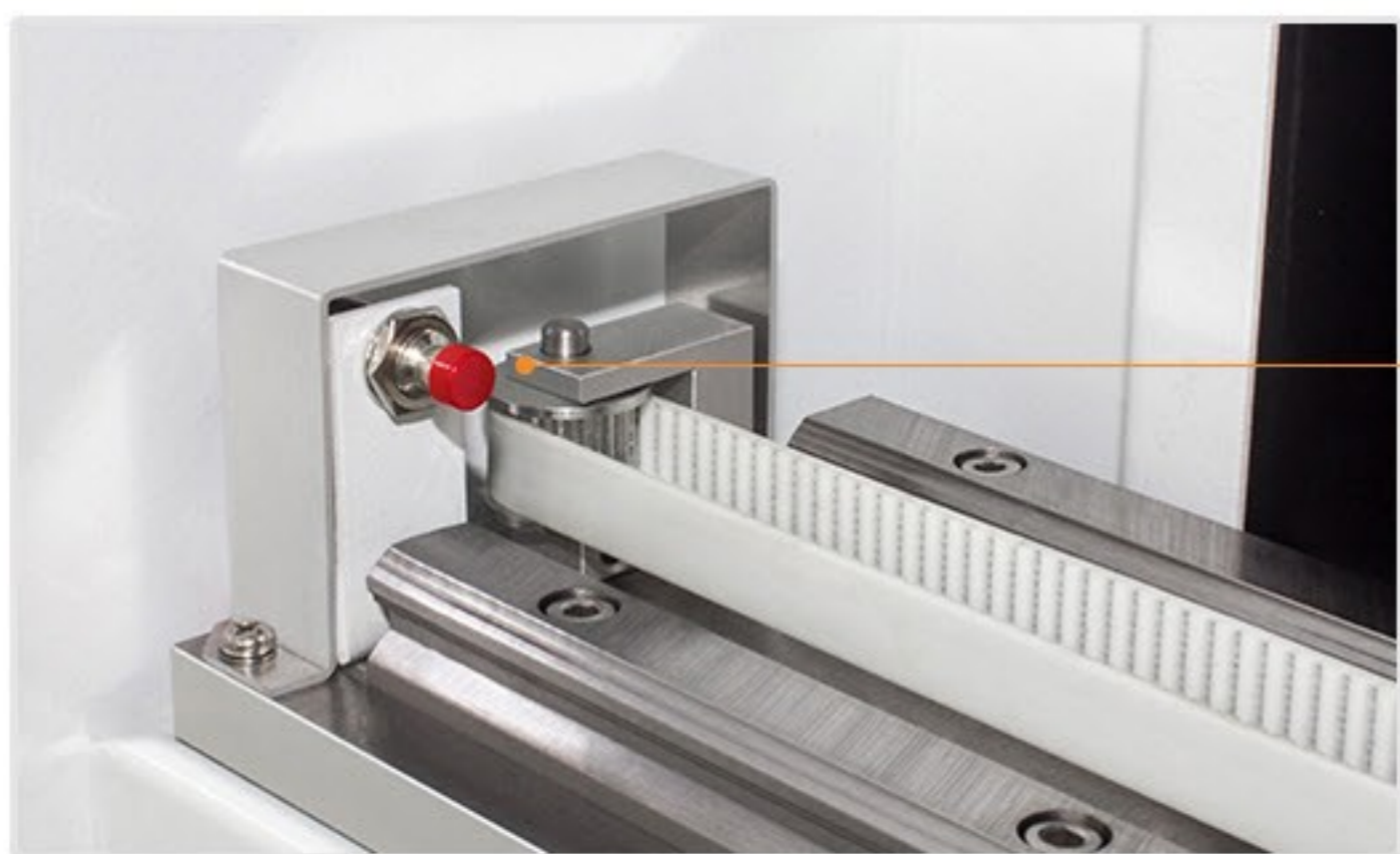
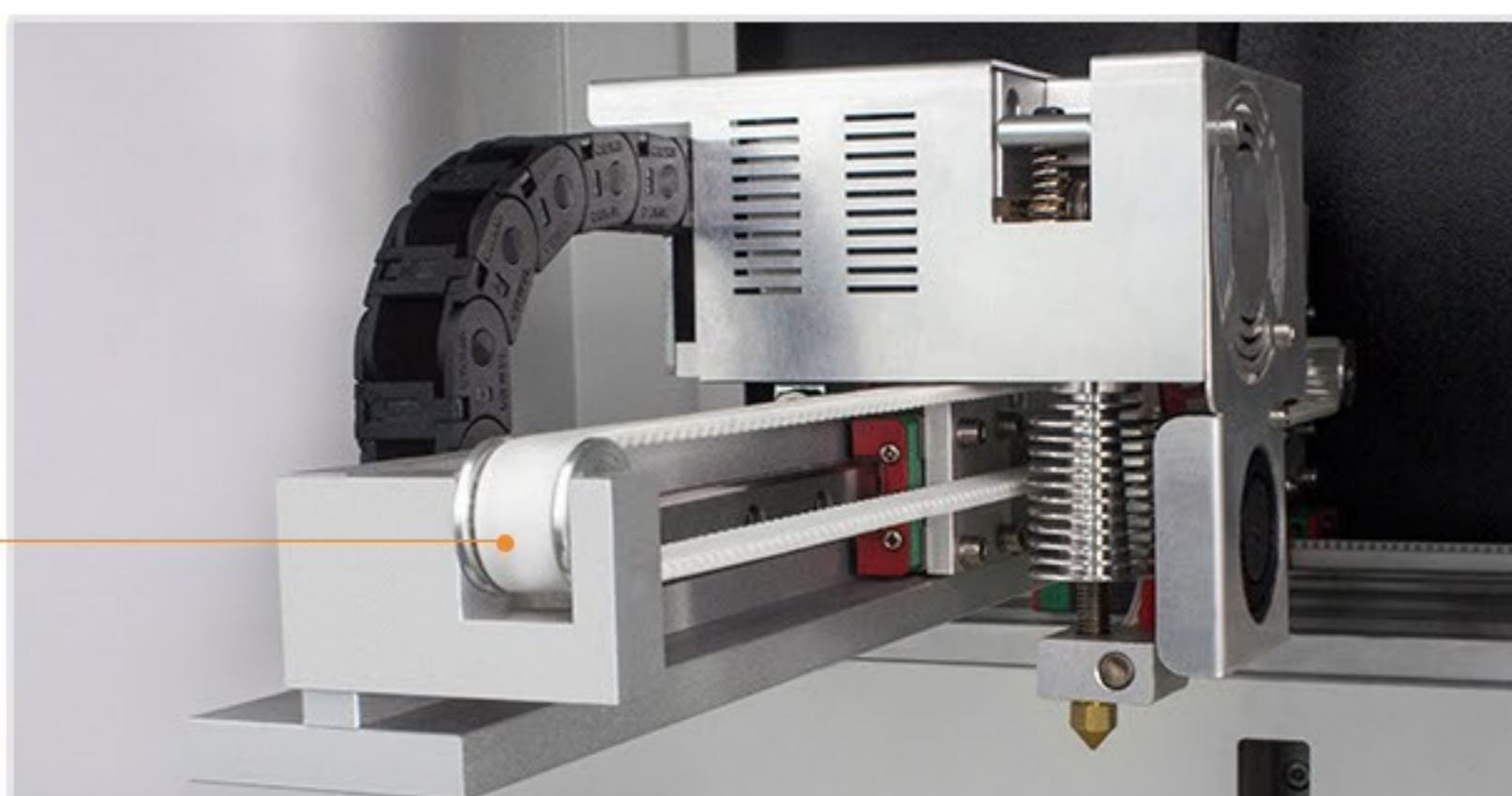


## OTHER DETAILS



Lines are neat and safe

3M industrial belts  
Durable and smooth



Industrial professional limit switch,  
can precisely position, and guarantee  
the printing quality of prototypes

Filament on the top,  
no worry about its breaking



Internationally Renowned Power Supply,  
24V,360W Wide Voltage Power supply,  
Automatic Adaptation Regulator

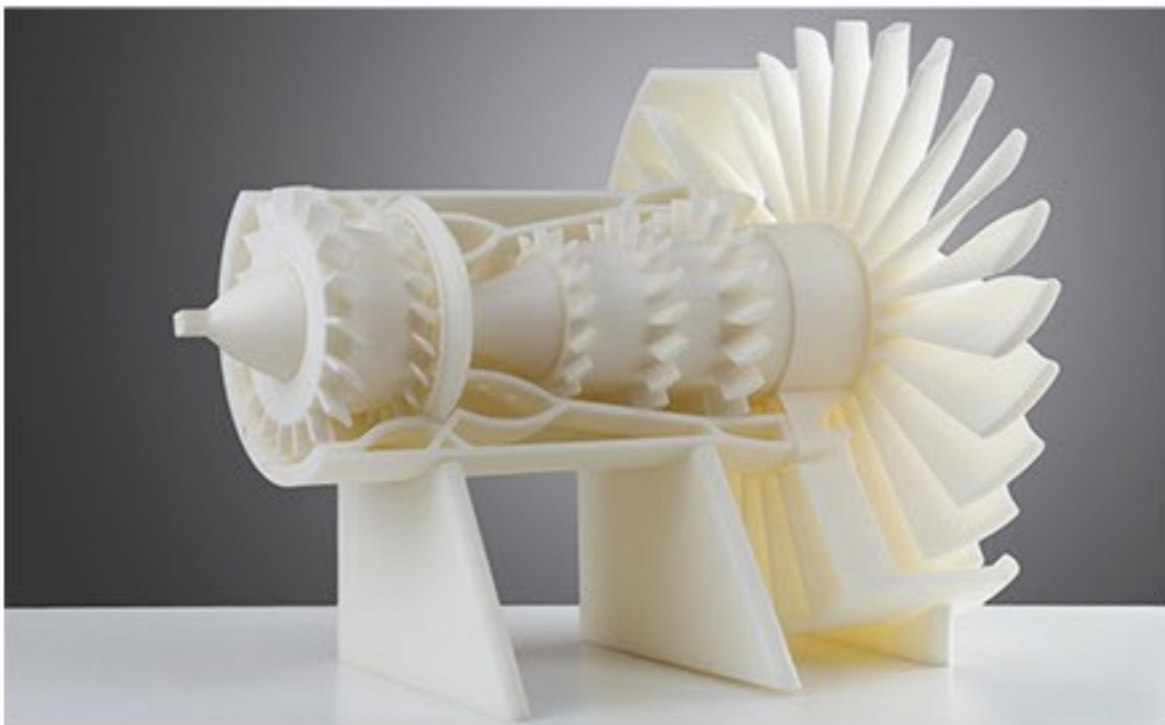
# APPLICATION



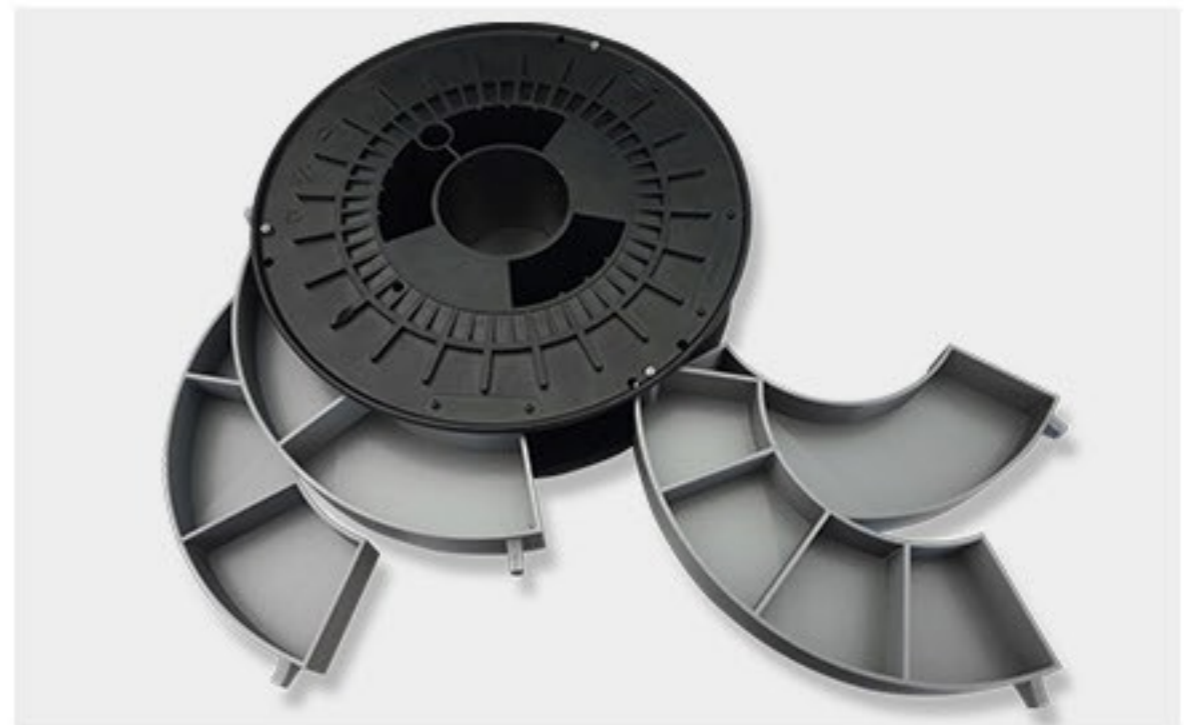
Molding



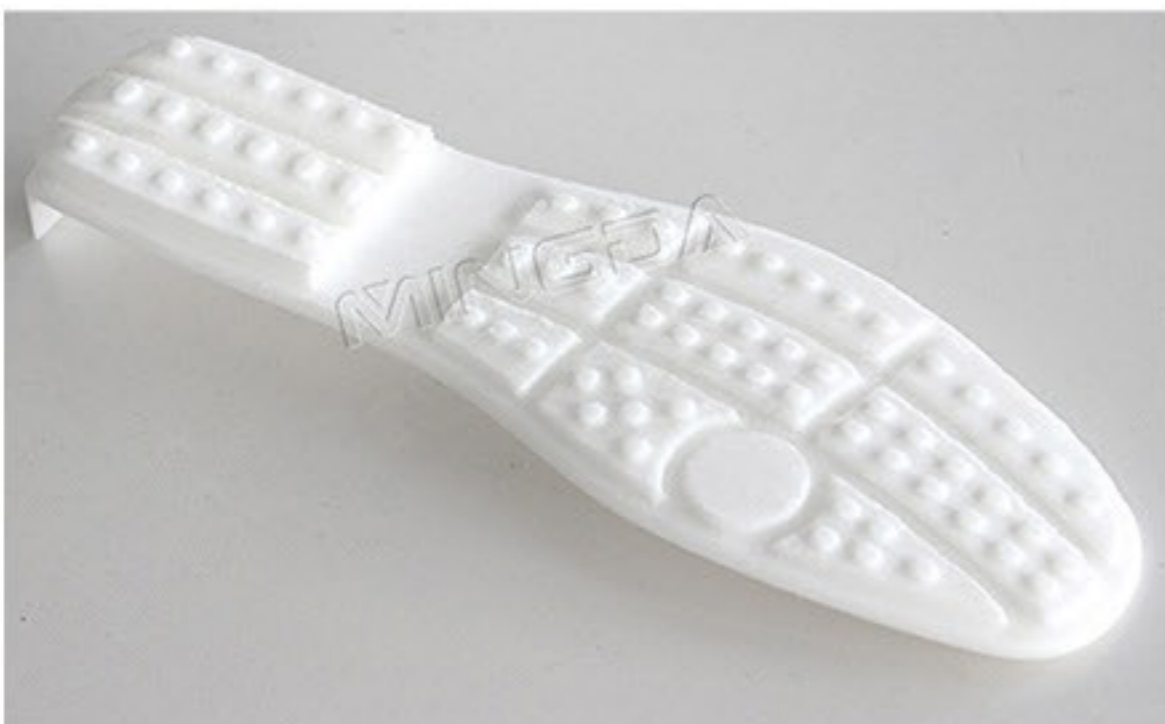
Architecture & Design



Aerospace/Automotive



Jigs Fixtures/Tools



Shoes



Industrial accessories