

D1000 Pro HS

One Cubic Meter Industrial Grade Large 3D Printer.

D1000 Pro HS is upgraded from the model D1000, it is a new high-speed printing version based on the in-depth development of Klipper. It adopts a new hotend with a flow rate of up to a record-breaking 90 mm³/s. The stable printing speed can reach 300mm/s, which is 5 times the speed of the D1000 model.

With a build volume of over 1050*1050*1050mm, it is the perfect machine for creating large and full size parts, prototype, tools, molds, jigs & fixtures in-house. Within days you can have a fully functional high quality prototype. CreatBot big rolls filament of PLA, ABS, ASA, PA-CF, etc suit well for your big models without worrying frequent replacement of filament. All its features manufactured to the highest standards. Every time, every parts, no mistake.

Every time, every parts, no mistake.

Get a quote

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What's the News on the D1000 Pro HS?

Up to 40% Faster Printing

Lightweight Auto-Rising Extruder





True External Air Cooling





0.001mm Accuracy

0.02mm XY Positioning Accuracy

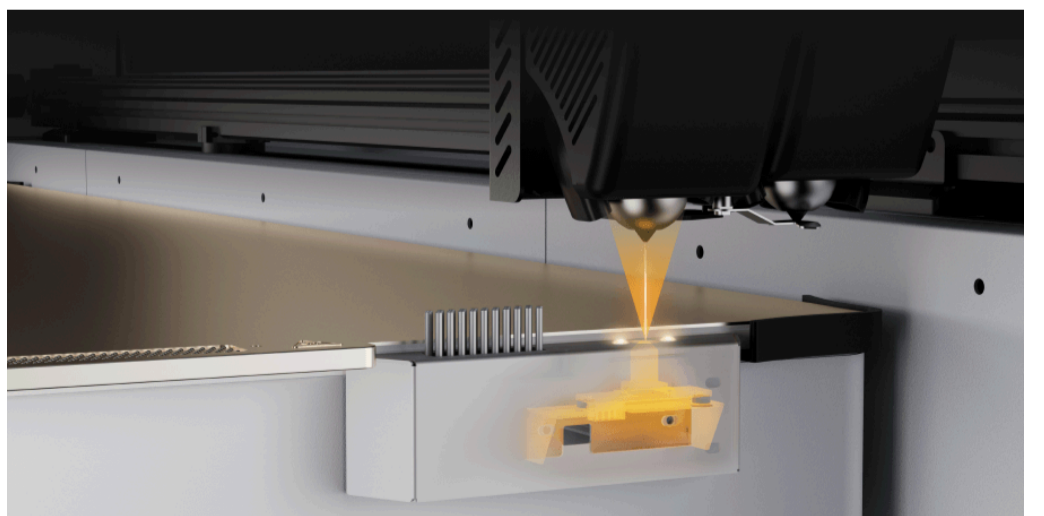
Eddy Current Bed Leveling

HD Camera Dual Nozzle Offset



80°C Heated Chamber

Internal Insulation Cotton





90 mm³/s Flow Rate

Stronger X Rail

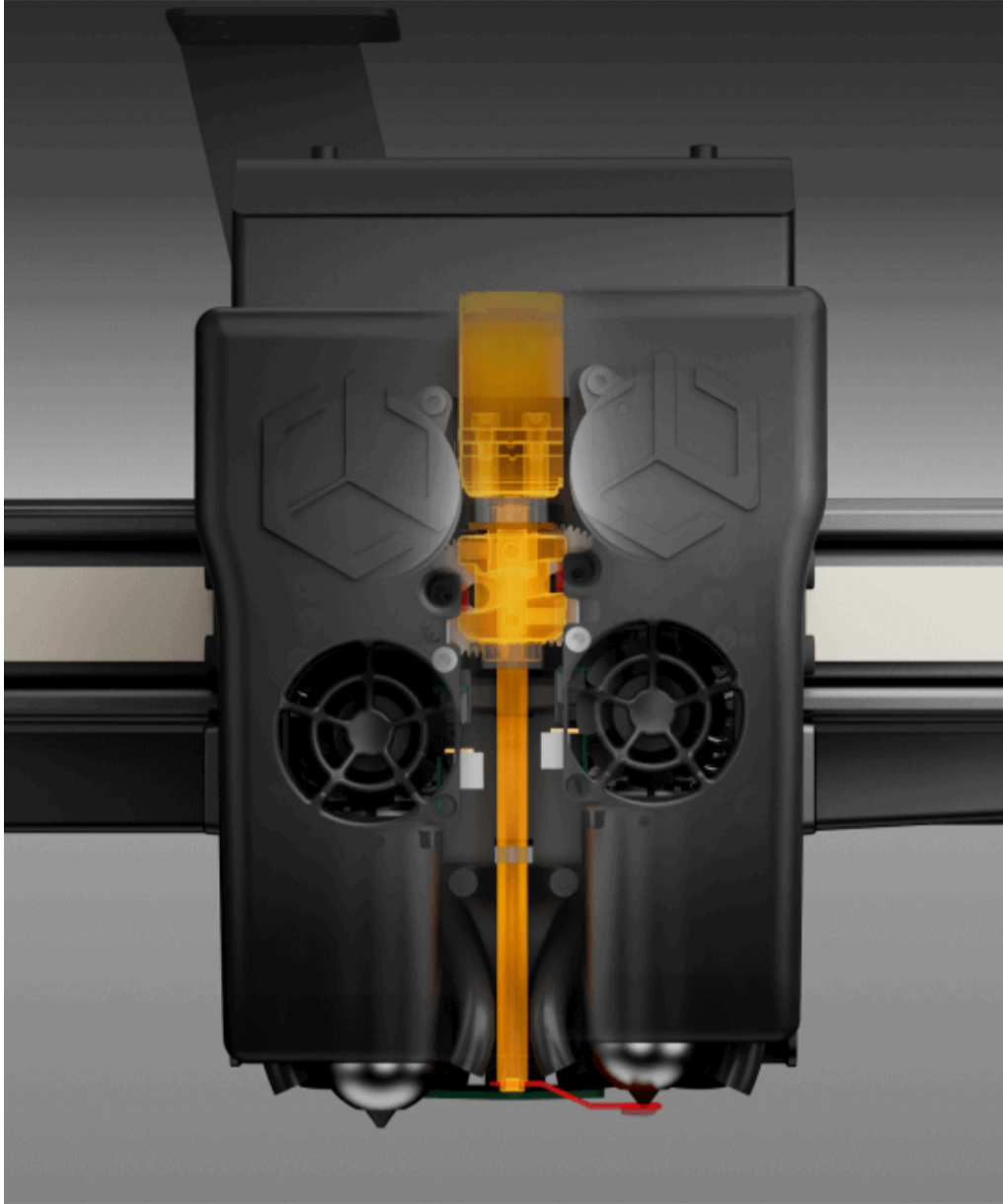


Dual Nozzle Shutter

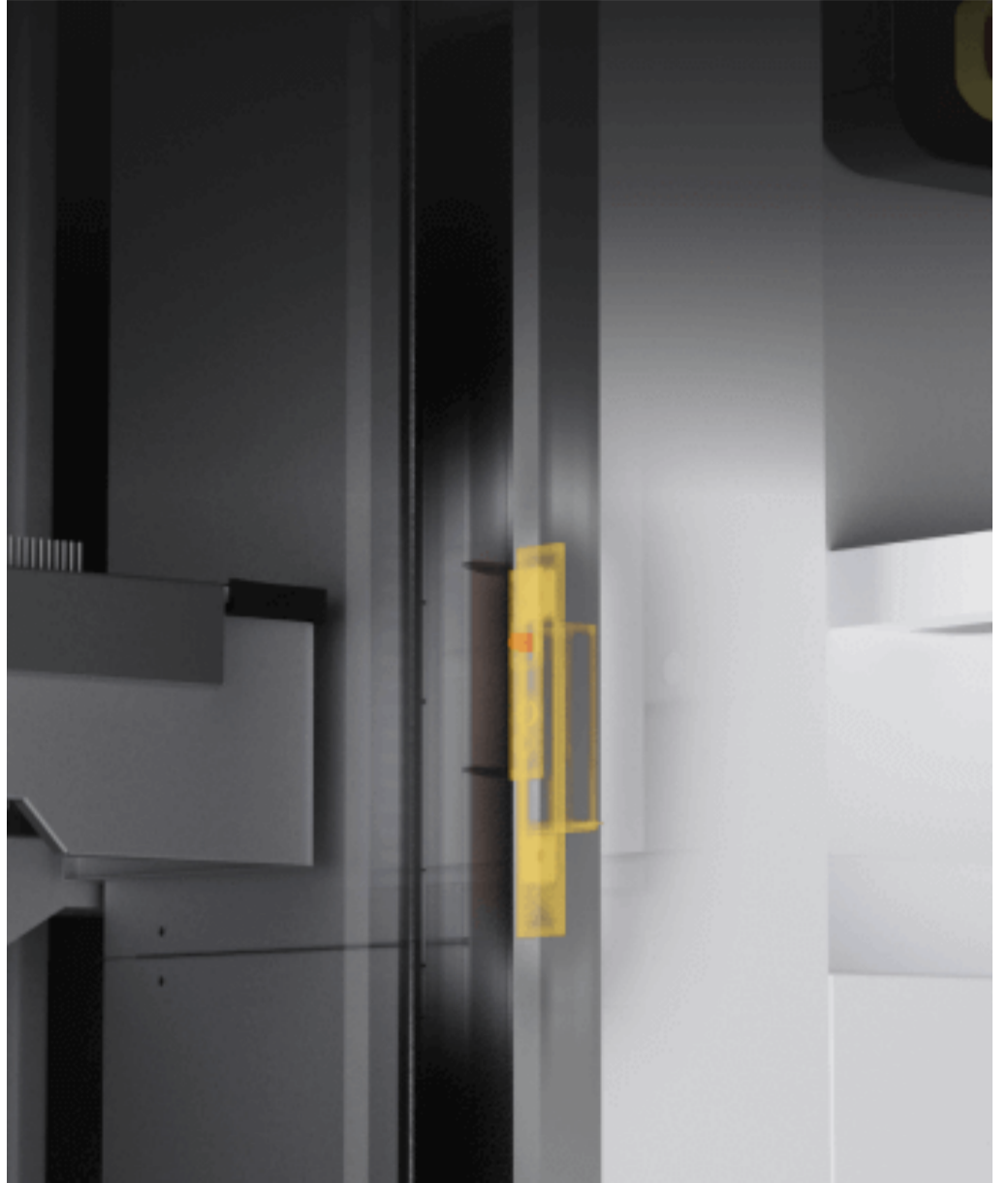
Safety Door Lock

Fully Automatic Synchronization

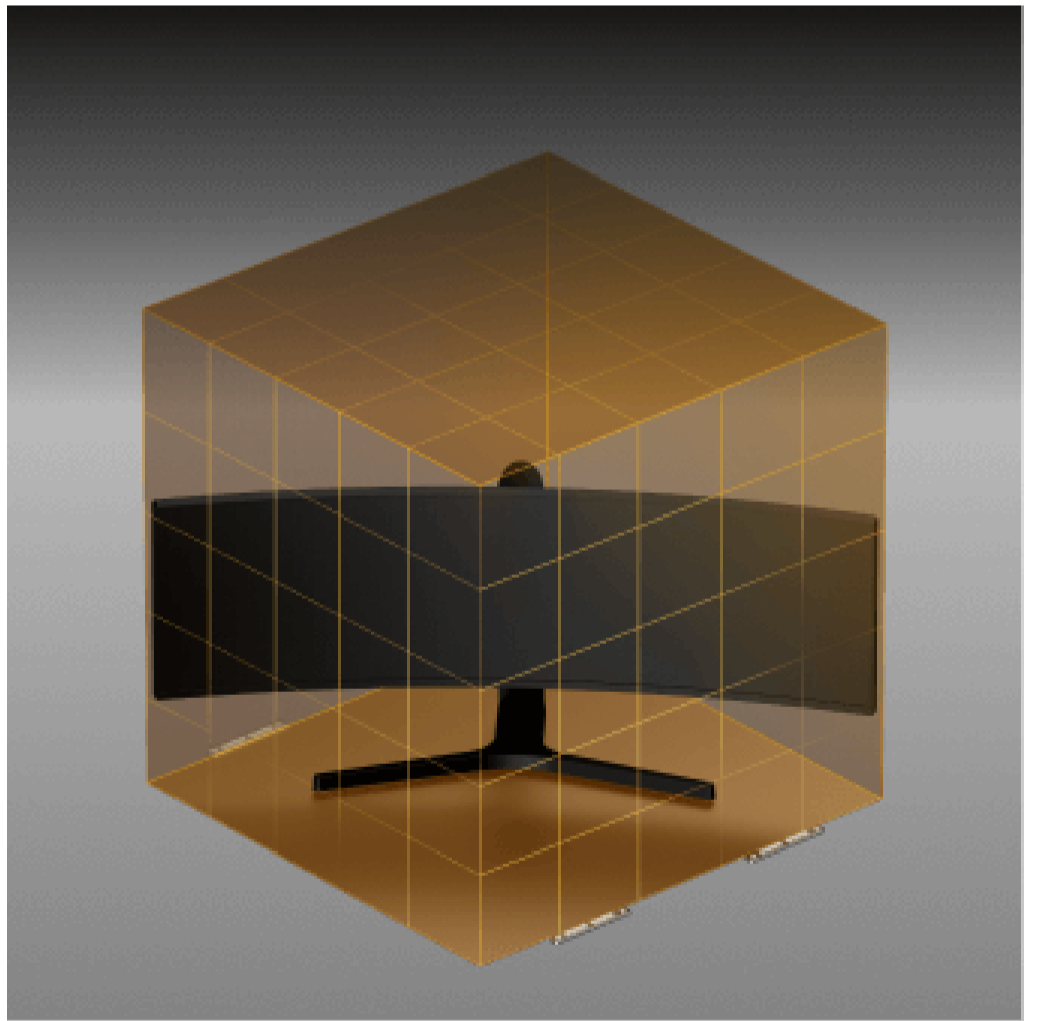
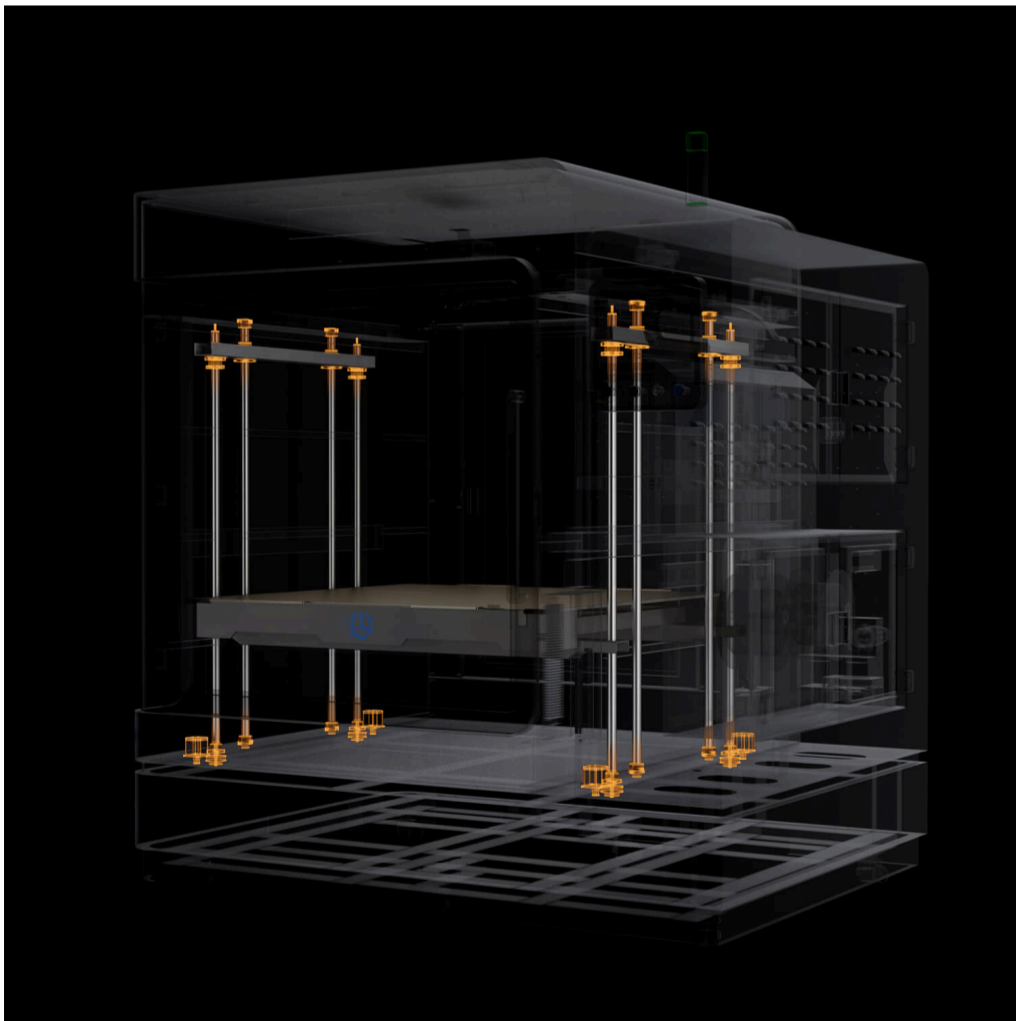




Independent Quad-Z Axis



1050*1050*1050mm³ Large Volume



Full-Auto Dual-Nozzle XYZ Offset Calibration

XY via HD Macro Camera

Fully-Auto AI Visual Recognition

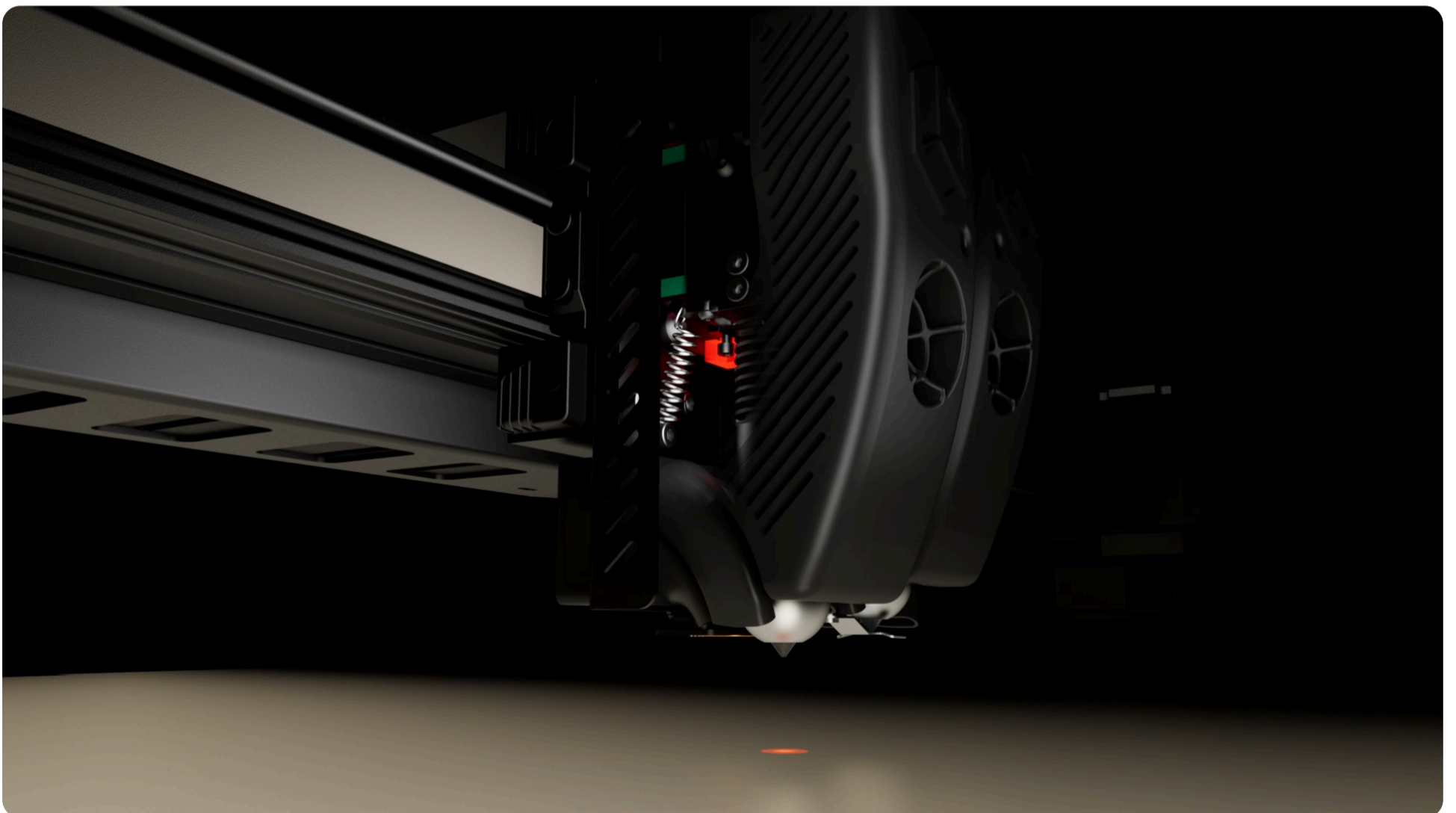
0.02mm Accuracy





Z via Dual Photoelectric Sensor
Full-Auto Multiple Positioning

0.005mm Accuracy



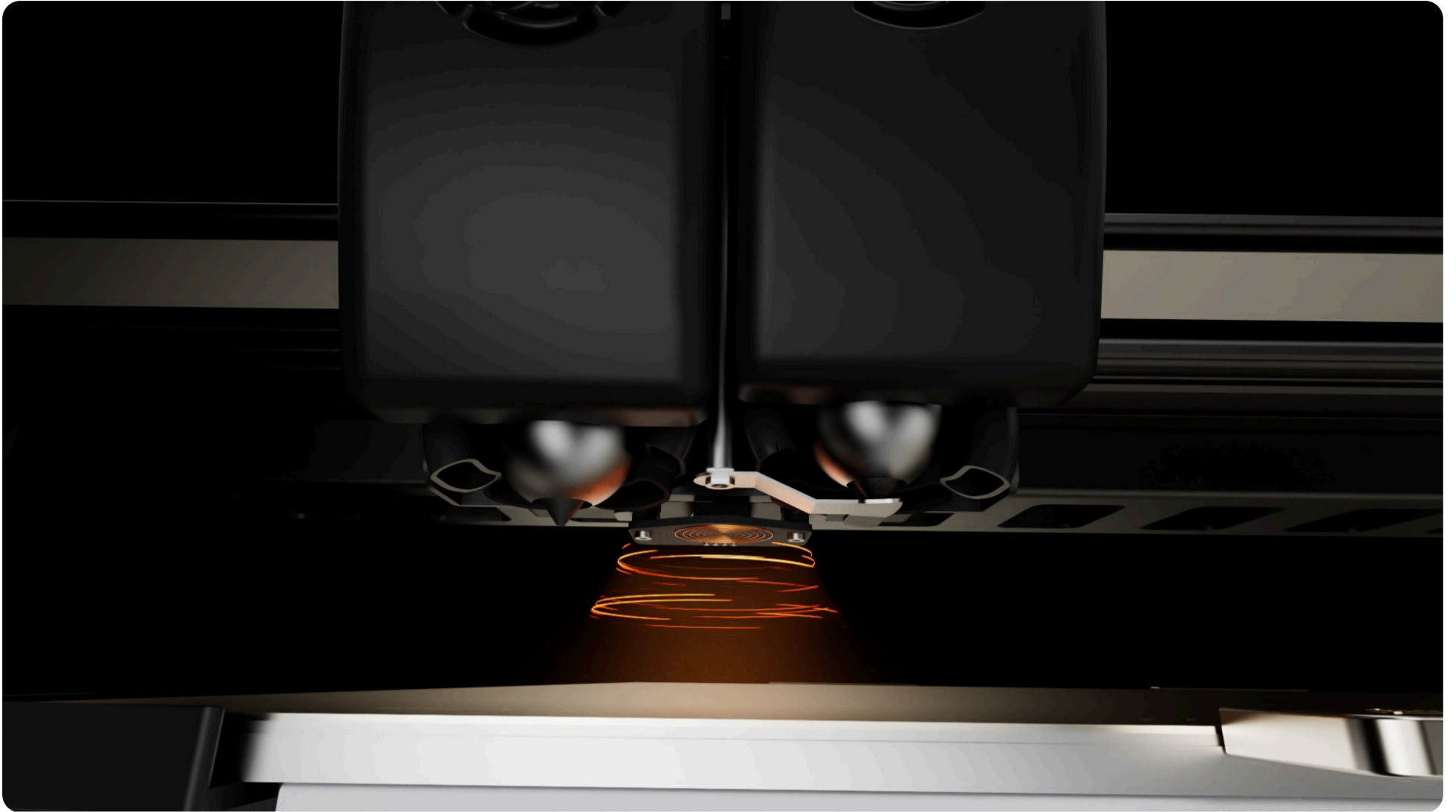
Eddy Current Bed Leveling **0.001mm** Precision

Revolutionizing Large-Scale Print Platform Calibration

The eddy current leveling system solves critical challenges in calibrating large build plates. Utilizing high-frequency electromagnetic sensing technology, it achieves an ultra-high probing accuracy of 0.001mm—improving precision by 99% compared to traditional methods. This ensures perfect first-layer adhesion and guarantees printing



reveling time by 60% and significantly improving printing efficiency.



Auto-Raising Dual Extruders | 420°C

Flow Rate: 90 mm³/s

Heating to 400°C: 2 Mins

Thermostat Accuracy: ±0.15 °C

The D1000 Pro HS features a next-gen smart auto-raising dual-extruder kit, capable of reaching hotend temperatures up to 420 °C. The hotend can be quickly swapped for different nozzle sizes.

Enhanced with the upgraded Dual Nozzle Shutter technology, it delivers flawless printing with different support materials. Combined with a topologically optimized lightweight design, the printhead enables even higher printing speeds and greater motion agility.





Automatic Dual Nozzle Shutter

This innovative system features a precision mechanical shutter that automatically closes over the nozzle of the idle extruder the moment it lifts away. By creating a physical seal, it effectively prevents oozing and cross-contamination between materials, ensuring flawless multi-material and multi-color prints. It's the key to achieving pristine quality and reliability in every layer.



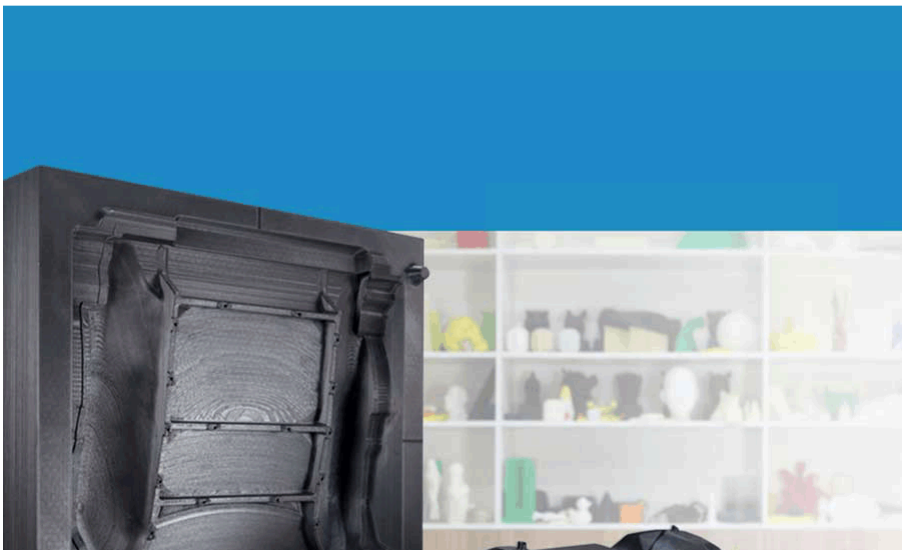


Left Nozzle

Right Nozzle

Scale Without Limits for High-Strength Prototypes

The CreatBot D1000 Pro HS was created to make industrial 3D printing of large-scale objects and prototypes as easy as possible. It is embedded with many advanced technologies for ultra-large, impressive prints. It will undoubtedly be your best choice if you are looking for an industrial large-scale 3D printer for prototyping with engineering-grade materials.



Prototyping with Engineering Materials

Develop high-performance seat molds for major OEMs including Audi, VW, Nissan, and GM. Here, these parts were printed using Nylon Carbon Fiber at 50% infill. The D1000 Pro HS passed all tests.

Active Heated Chamber

The design employs a double-layer insulation cotton layer, allowing the cavity temperature to remain stable and preventing deformation of large engineering parts.

CreatBot D1000 HS coming! 90mm³/s flowrate! Real high speed!



Minimizes Moisture Impact

Ensures Process Consistency

When printing large or high-strength engineering materials (e.g., ABS), uneven cooling causes cracking.

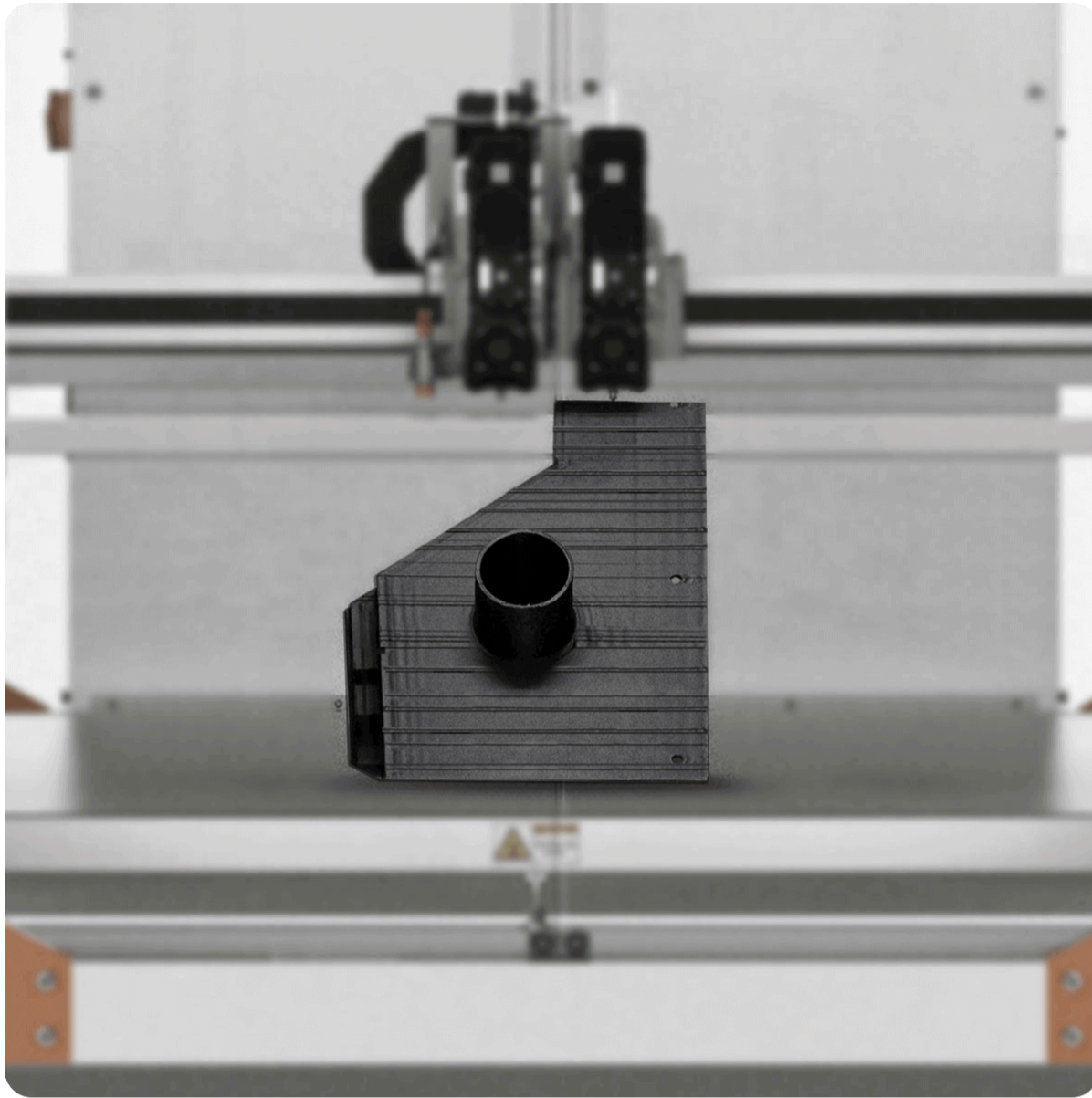


Safety Door Protection System

Enterprise-Compliant Secure Printing Solution

This safety-certified door monitoring system automatically halts printing operations immediately upon door access detection, ensuring full compliance with enterprise safety protocols. The industrial-grade interlock mechanism prevents unauthorized operation exposure, eliminates mechanical hazards, and maintains full process accountability with encrypted operation logs.



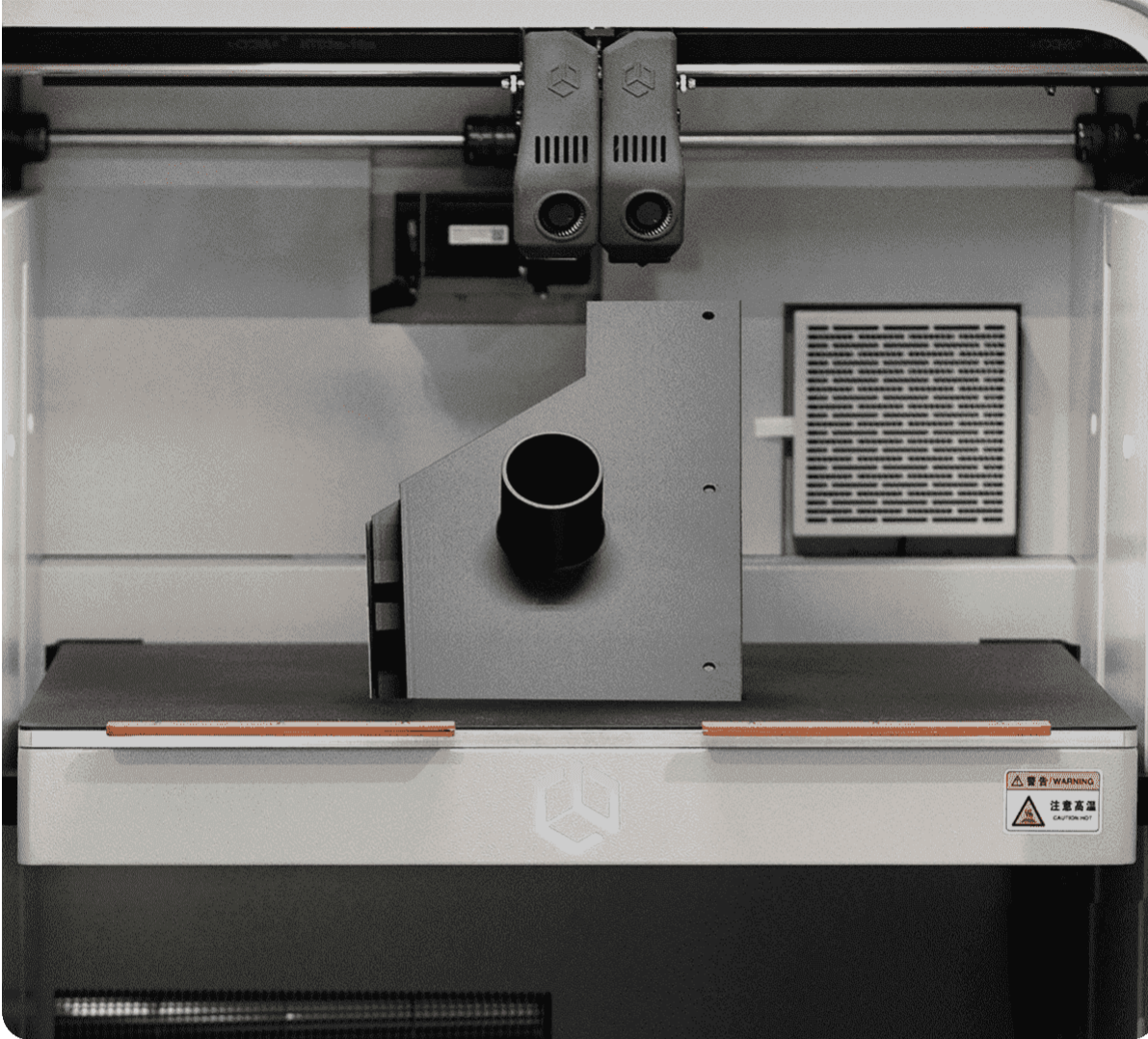


In large-format FFF 3D printing, when chamber temperature rises, the printer frame and structural components also undergo thermal deformation—metal expansion, axis misalignment, and mechanical part displacement. These micro-distortions accumulate layer by layer, ultimately leading to:

- Layer Misalignment and Surface Roughness
- Loss of Dimensional Accuracy
- Structural Defects in Large Parts

This is why treating chamber temperature as an optional add-on, or claiming it can be retrofitted later, proves these manufacturers just don't get it. They have no compensation for machine deformation—some aren't even aware of the issue. They simply add it as a feature to drive sales, with total disregard for actual print quality.





With 8+ Years of R&D on the Chamber Temperature of FFF Industrial Printers

Our Solution: The Synergy of Two Patented Technologies—Intelligent Chamber Heating Algorithm & Z-Axis Magic Box Technology:

Intelligent Heating Algorithm: Predicts and counteracts irregular deformations caused by chamber temperature variations

Z Axis Magic Box: Maintains flawless surface finish via real-time thermal compensation for frame and build-plate expansion.

Ultimate Result: Flawless prints produced even when slight machine deformation has already occurred!

Machine Weight Matters: Our robust construction significantly minimizes deformation. The heavier the machine, the less distortion occurs!





Outage Restore & Filament Detection & Backup Mode

The printer automatically memorizes the current position and saves print data when power is interrupted. Upon restart, it resumes printing from the exact point of interruption, eliminating the need to restart entire prints and saving valuable time and material costs.

The printer also prevents failed prints by pausing and alerting you when the filament runs out, allowing you to replace the spool and continue printing without losing progress.

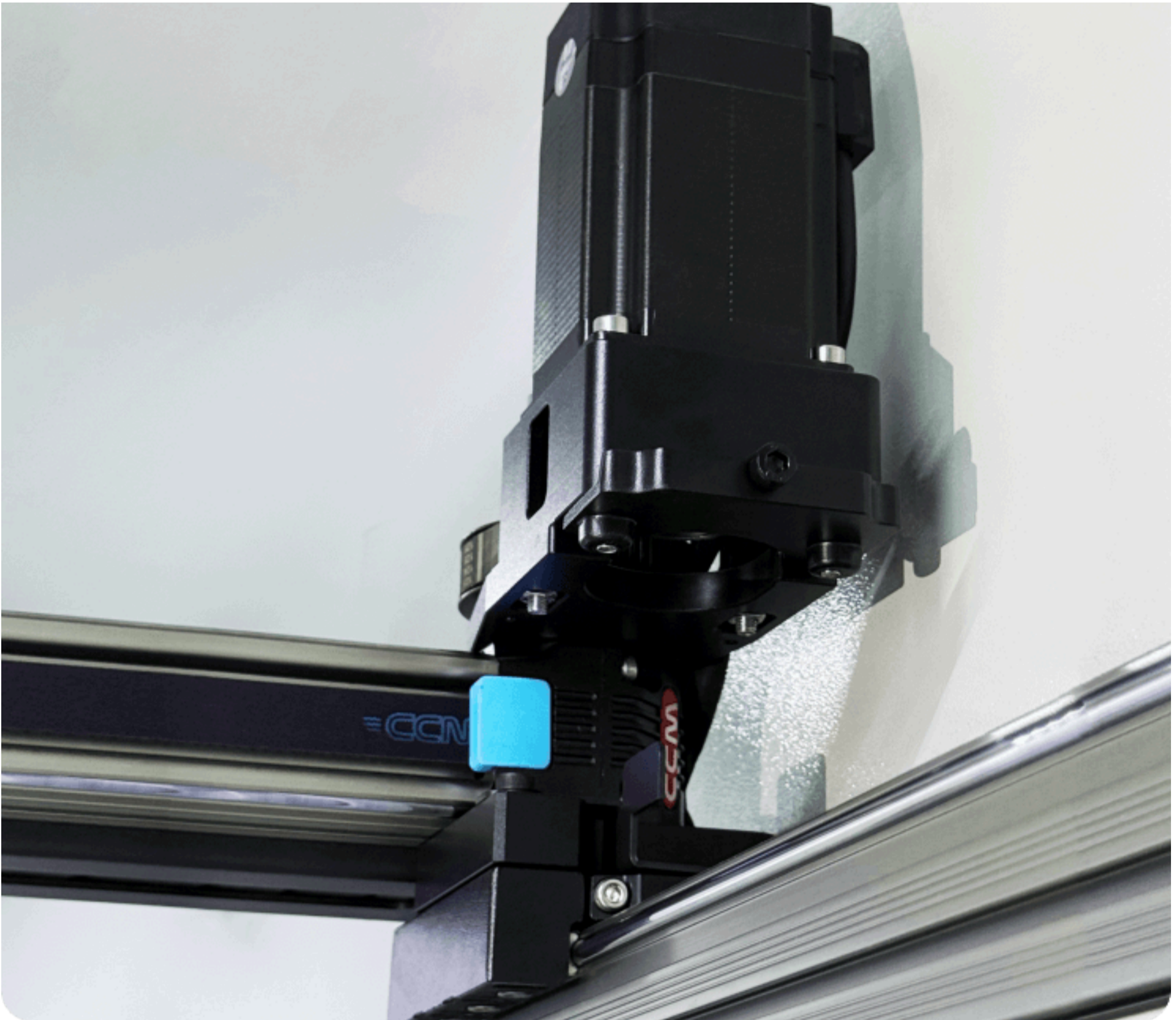
Backup Mode: If the filament in the main nozzle (No. 1) is exhausted, the printer automatically switches to the secondary nozzle (No. 2) to continue printing, ensuring uninterrupted production even during filament changes.

Magnetic Suction Platform

Proprietary magnetic platform, large, easily removable, and heat-resistant over 100°C, and won't demagnetize over time. For oversized models, it is easy to detach them quickly and the bottom of the model is flat. Convenient to all operators.







Linear Rail and Servo Motors

When it reaches to 1000mm+ length, small rail have big deflection. The D1000 Pro HS uses heavy-duty linear rails and servo motors to ensure smooth and precise movement even at high speeds without compromising the precision and reliability required for massive prints.

True External Air Cooling

[Medical-Grade Cooling Pump](#)

Eddy Current Sensor Protection

True Air Model Cooling

Ultra-Quiet & Reliable: Equipped with a medical-grade pump, it delivers powerful, constant air pressure with minimal noise. Engineered for 24/7 operation, it ensures a quiet and stable workflow for professional environments.







Filament Dry Room

Our 3D printer features an integrated filament drying compartment, which maintains a controllable temperature environment of 0-70°C. Designed to prevent moisture absorption in hygroscopic materials such as nylon, PC, PA-CF, PET-CF, it eliminates printing defects like bubbling and stringing, ensuring consistent, high-quality output throughout the printing process.

Independent Quad-Z Axis

Quad-Z Auto-Leveling

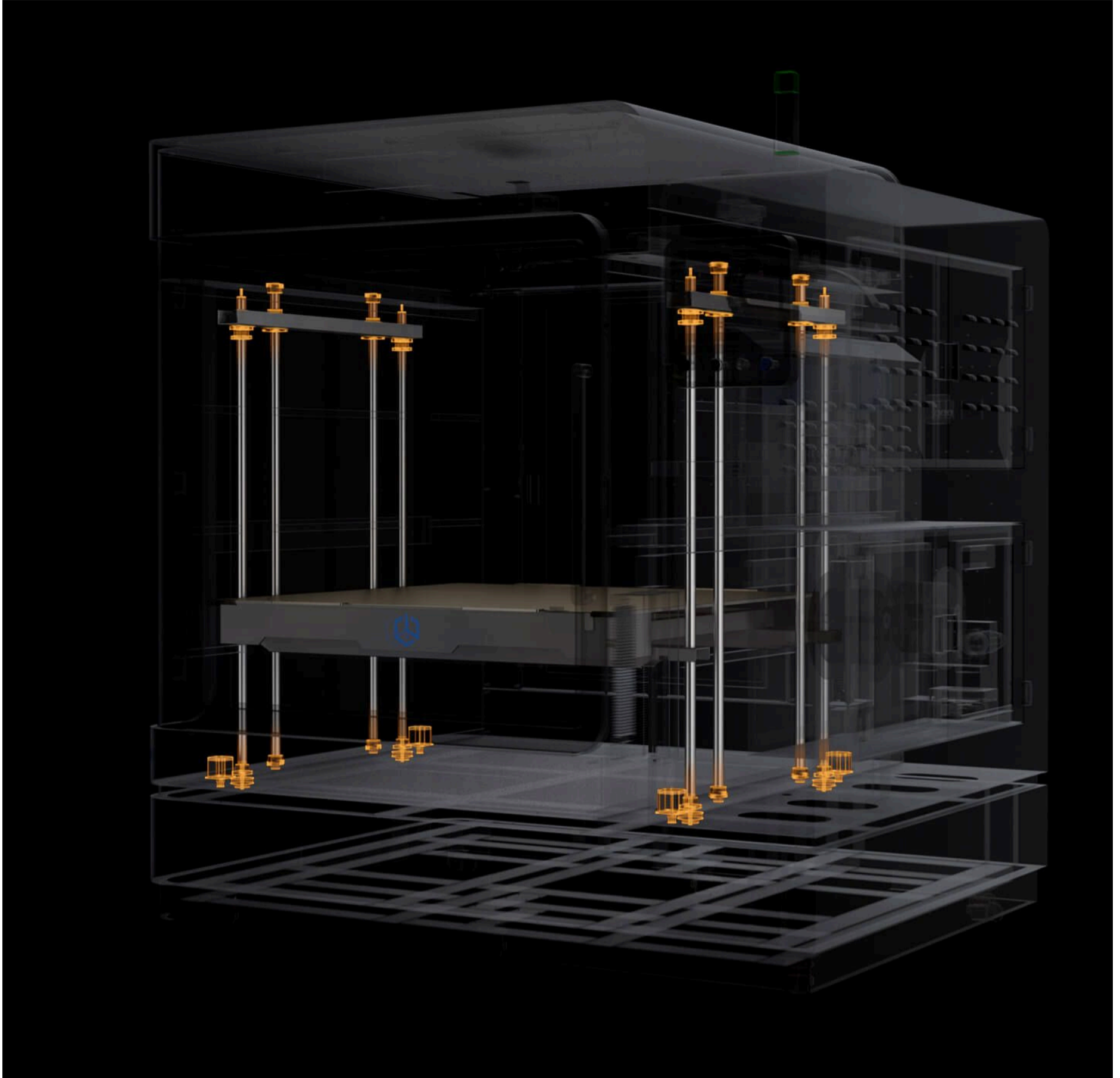
Superior Load Capacity & Stability

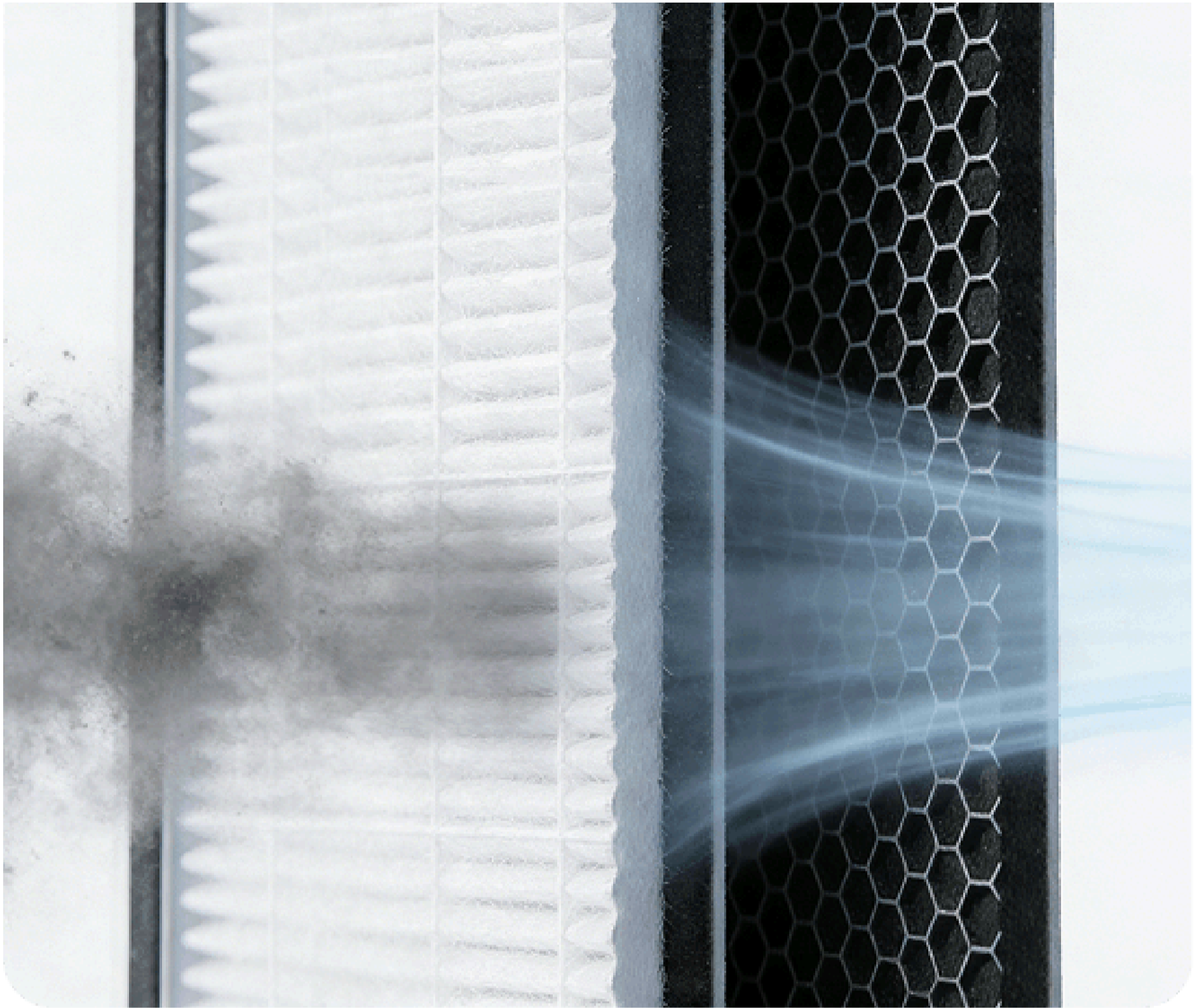
Anti-Tilt & Torque Correction

Superior Layer Consistency

Eliminate Manual Leveling for Absolute Flatness: The independent four-motor drive allows for individual height compensation at each corner of the platform. The system automatically detects and fine-tunes the vertical height of every corner to ensure extreme parallelism between the build plate and the gantry, completely solving first-layer adhesion issues for large-scale prints.





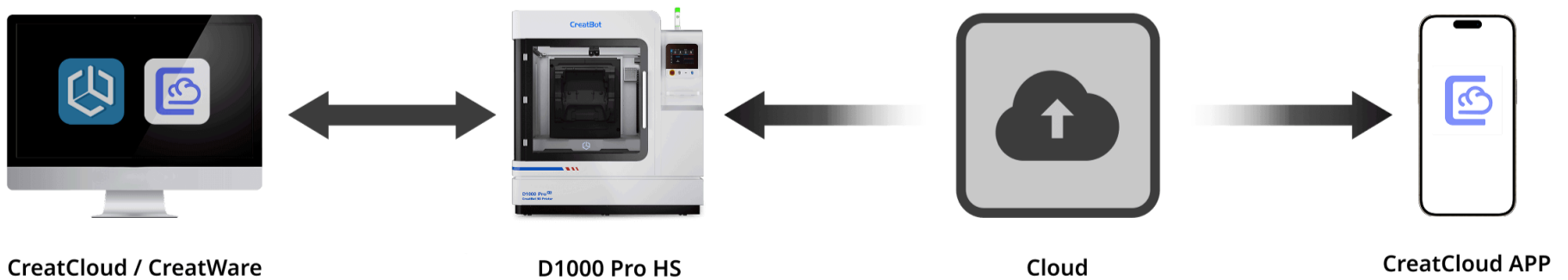


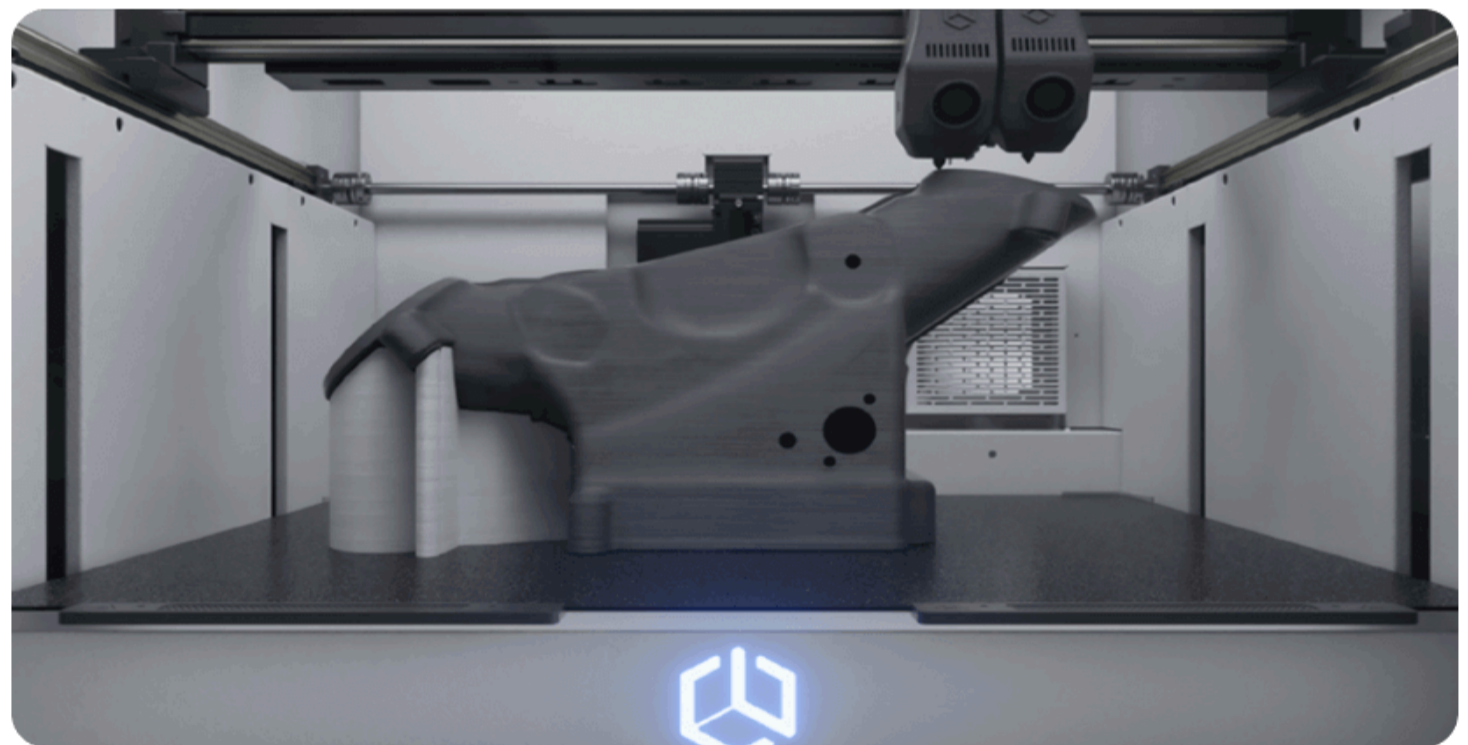
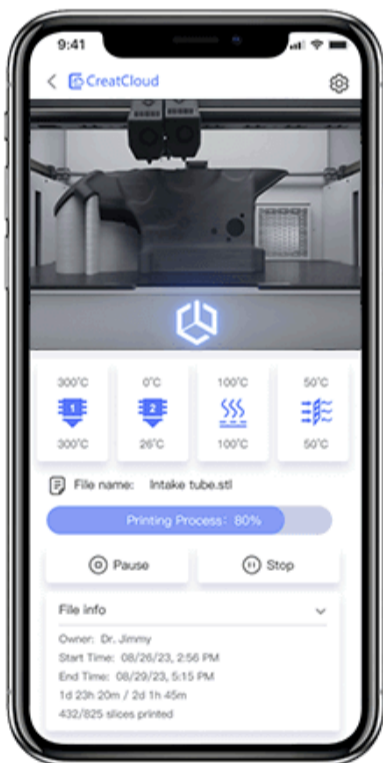
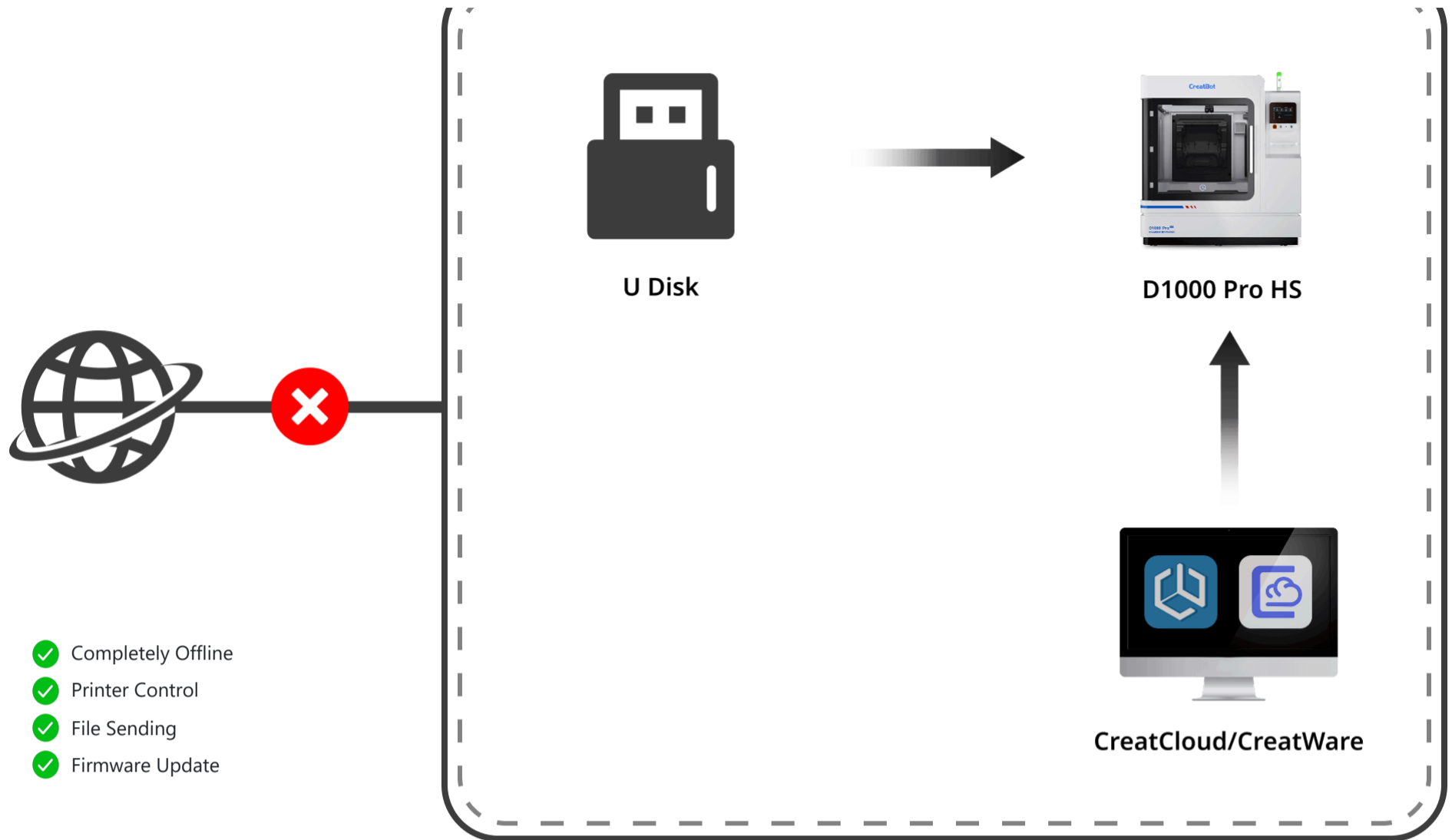
Ultra Air Filter System / 99.995% Adsorption

Our advanced air purification system employs a dual-filter design: an initial HEPA filter captures fine particles, while an activated carbon filter absorbs volatile organic compounds (VOCs) and odors. This ensures a clean and safe printing environment, protecting both the operator and the printed parts from harmful emissions.

WIFI, LAN, Internet, APP Control

In addition to cloud connectivity, CreatBot also supports local area network mode and physical connection operation. You can control the printer, send sliced files, and update firmware without an internet connection.





Camera Control Technology

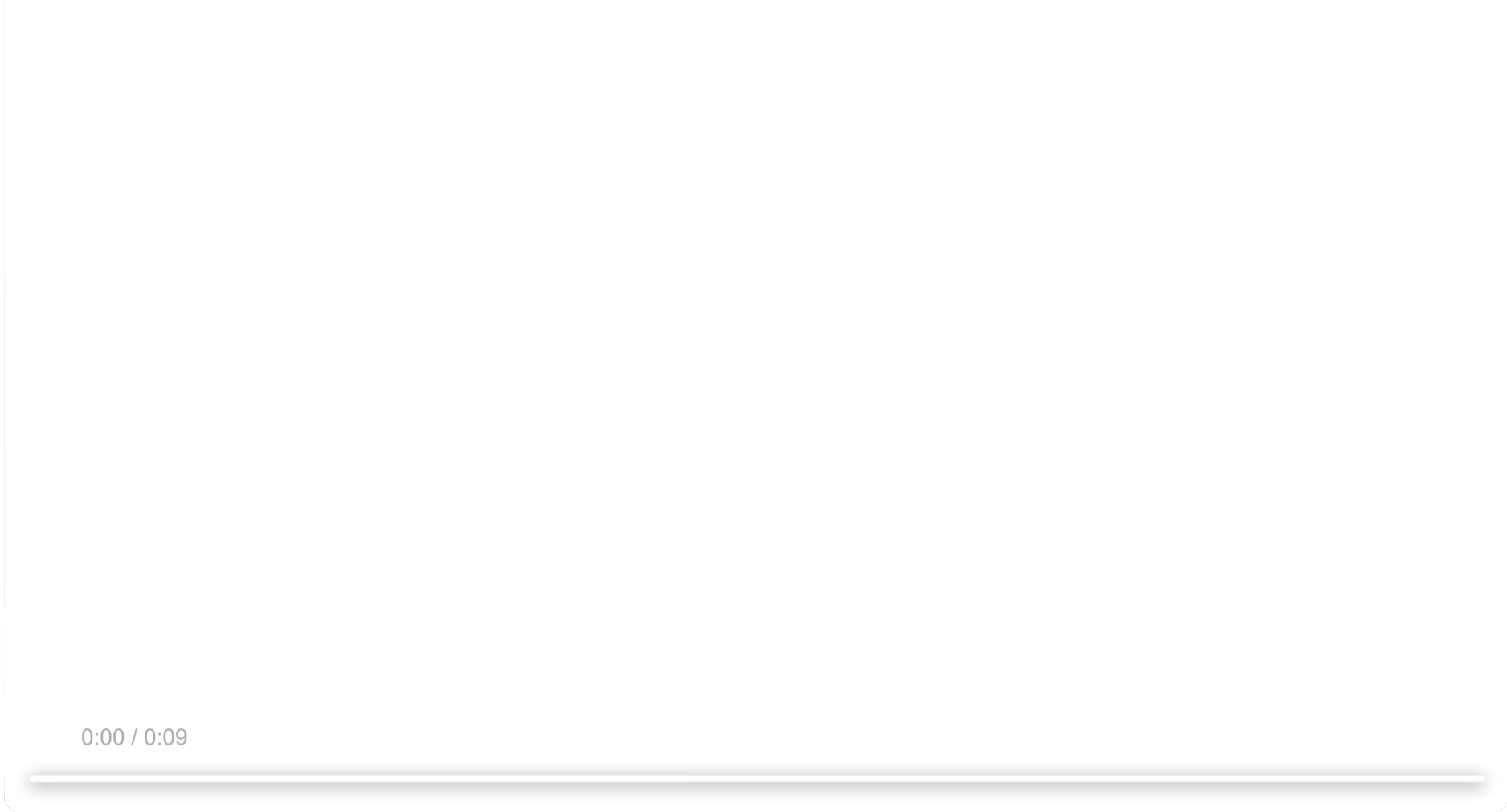
Camera control technology allows customers to control the printing process on speed, pause, temp., etc., with an APP remotely, achieving the best printing quality in the shortest time without failure. A very useful feature for large models and long-time printing.

Specifications

* Note: Red text highlights upgraded features for the HS model.

Printing	
Print Technology	FDM/FFF

Software	
Software	CreatWare, Orca Slicer, Cura, Simplify3D, Prusa, et



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1000 Pro HS Highlights

1050*1050*1050mm Build Volume

- High Resolution & Speed
- Camera Control Technology
- Reliable 24/7
- Fully Enclosed

Exceptional Stability

The precision-engineered steel monocoque construction ensures exceptional machine stability, minimizing vibration and maintaining consistent print quality even during high-speed, long-duration printing sessions. This robust design guarantees reliable performance for industrial-scale production.



Build Volume	Single Extrusion: 1050 x 1050 x 1050mm Dual Extrusion: 990 x 1000 x 1000mm
Number of Nozzles	Double

Supported File Types	STL, OBJ, Gcode, AMF, STP, STEP
Operating Systems	Windows ALL / Mac OS



Filament Diameter	1.75 mm
Filament Compatibility	PLA, ABS, ASA, PP, PETG, PC, Nylon, TPU, ABS-CF, PC-CF, PET-CF, PET-GF, UltraPA-CF, PPS-CF, etc
Nozzle Diameter	0.8 mm (0.3-1.0 mm) Optional
Print File Type	Gcode

Temperature	
Max. Nozzle Temperature	420 °C
Max. Bed Temperature	100 °C
Hot Chamber Temperature	80 °C
Filament Dry Room Temperature	0 °C/70 °C

Speed	
Max Print Speed	300 mm/s
Flow Rate	90 mm ³ /s

Electrical	
Power Requirements	220~240 V, 50~60 Hz
Display	10-inch full color touch screen independent operating system (multi-language)
Rated Power	Printer: 5500W, Chamber: 6000W
File Transfer	USB/U disk / WiFi / LAN

Filament Detection	Pause Printing
Firmware	Klipper - High Speed
Camera Control	Camera Remote Monitoring
Dual Nozzle Auto-Resume Printing	Yes
Bed Leveling Technology	Eddy Current Leveling
XY Offset Technology	HD Camera Dual Nozzle Offset
Z Offset Technology	Dual Photoelectric Sensor
Nozzle Shutter Technology	Dual Nozzle Shutter
Door Opening Detection	Safety Door Lock
Chamber Insulation	Internal Insulation Cotton
External Air Cooling	Yes

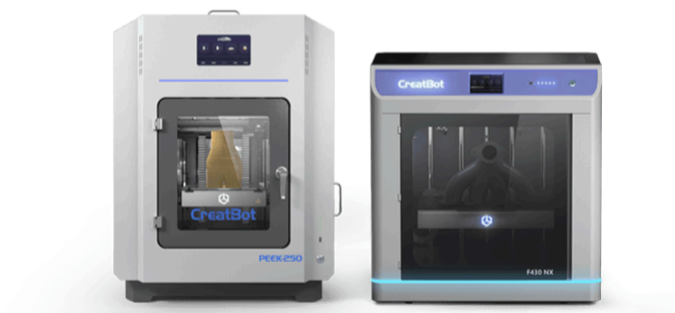
Mechanical	
Build Plate	Aviation Aluminum Plates
Build Plate Leveling	Automatic
Extruder	Smart Dual Extruders
Auto-Raising Extruders	Yes
X/Y Positioning Precision	0.011 mm
Z Positioning Precision	0.0025 mm
Z-Axis Structure	Independent Quad-Z Axis

Size & Weight	
Product Dimensions & Weight	1870 x 1430 x 1940mm 750kg
Packing Size & Weight	2070 x 1610 x 2240mm 880kg

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D600 Pro2 HS

The World's #1 Selling Professional Large-Format 3D Printer

*According to CONTEXT, the D600 Series is the global sales leader in industrial 600mm³ 3D printing

D600 Pro series has been proven to be the world's most popular professional large-size 3D printer. It has undergone 6 years of market accumulation and verification. Since its launch, we have continuously upgraded and improved the D600 Pro based on user needs and feedback. So far, we have made approximately 30 improvements in product details, incorporating new technologies, and fixing issues. Make it a very stable professional large-size 3D printer, deeply preferred by small and medium-sized enterprises.

The D600 Pro 2 HS is a fully upgraded high-speed printing version of the D600 Pro, featuring a deeply optimized Klipper firmware for revolutionary performance breakthroughs. Equipped with a newly designed high-performance hotend capable of ultra-fast extrusion up to 90mm³/s and an enhanced motion system, it achieves stable printing speeds of 300mm/s—five times faster than the standard D600 Pro. This industrial-grade machine, purpose-built for high-speed printing, combines cutting-edge engineering design with advanced technological capabilities, redefining the speed benchmark for professional 3D printing.

It has been professionally designed, has powerful performance, and features no shortcomings. Large print volume, faster speed, stronger material compatibility, simpler operating procedures, and more stable 7/24 operation. Undoubtedly, it will capture the needs of all professional 3D printer users with a size of 600mm*3 worldwide.

[Get a quote](#)
[Check Specs](#)


CreatBot D600 Pro Series 3D Printer Air Intake With High Tep.Nylon Alloy

Bruce Warren apparently wasn't happy with setting a world record once, so he beat his own record today in his Cadillac CTS-V. His blistering 192.2 mph (309.3km/h) marks the new world record for a stock blower CTS-V & CTS-V Sedan. The CTS-V equipped with a 3D printed intake made by Justin Taylor, a top engineer for modified custom car parts. He can do everything with his CreatBot D600 Pro Series 3D printers.

'My 3D printed intake just broke a world record for the fastest CTS-V half mile. Also in September we will be headed to Texas to break the mile record for the CTS-V as well. Which is great because my intake will be on the car. I also have one that will be going out next week to a car that should break the 1/4 mile record. All with a 3D printed air intake made on your machines!! Going to be taking over this industry as I am already working on a ZL1 camaro version. All of these cars have your intake and have been holding up great! People love the quality of the 3D printing!'

----Justin Taylor





Auto-rising Dual Extruders 420 °C

D600 Pro2 HS is embedded with new smart auto-rising dual-extruder kit with hotend temperature up to 420 °C, it adopts a new hotend with a flow rate of up to a record-breaking 90 mm³/s. The hotend can be replaced to different size one fastly. it is able to print not only huge prototypes made of ABS, ASA with fastest speed, but also PET-CF, UltraPA-CF and more high performance material with quick remove support materials for direct application. The dual-hotend is easy to maintain and affordable to replace.

Active Heated Chamber:

Reduces Thermal Stress & Warping

When printing large or high-strength engineering materials (e.g., ABS), uneven cooling causes internal thermal stress, leading to warping, delamination, or cracking.

Improves Interlayer Bonding

In low-temperature environments, excessive temperature differences between molten and solidified layers weaken adhesion. A controlled heated chamber maintains optimal layer temperature, enhancing molecular diffusion for stronger interlayer bonding.

Minimizes Moisture Impact

The heated chamber reduces ambient humidity's effect on hygroscopic materials (e.g., nylon), preventing bubbles or strength loss caused by moisture absorption during printing.

Ensures Process Consistency

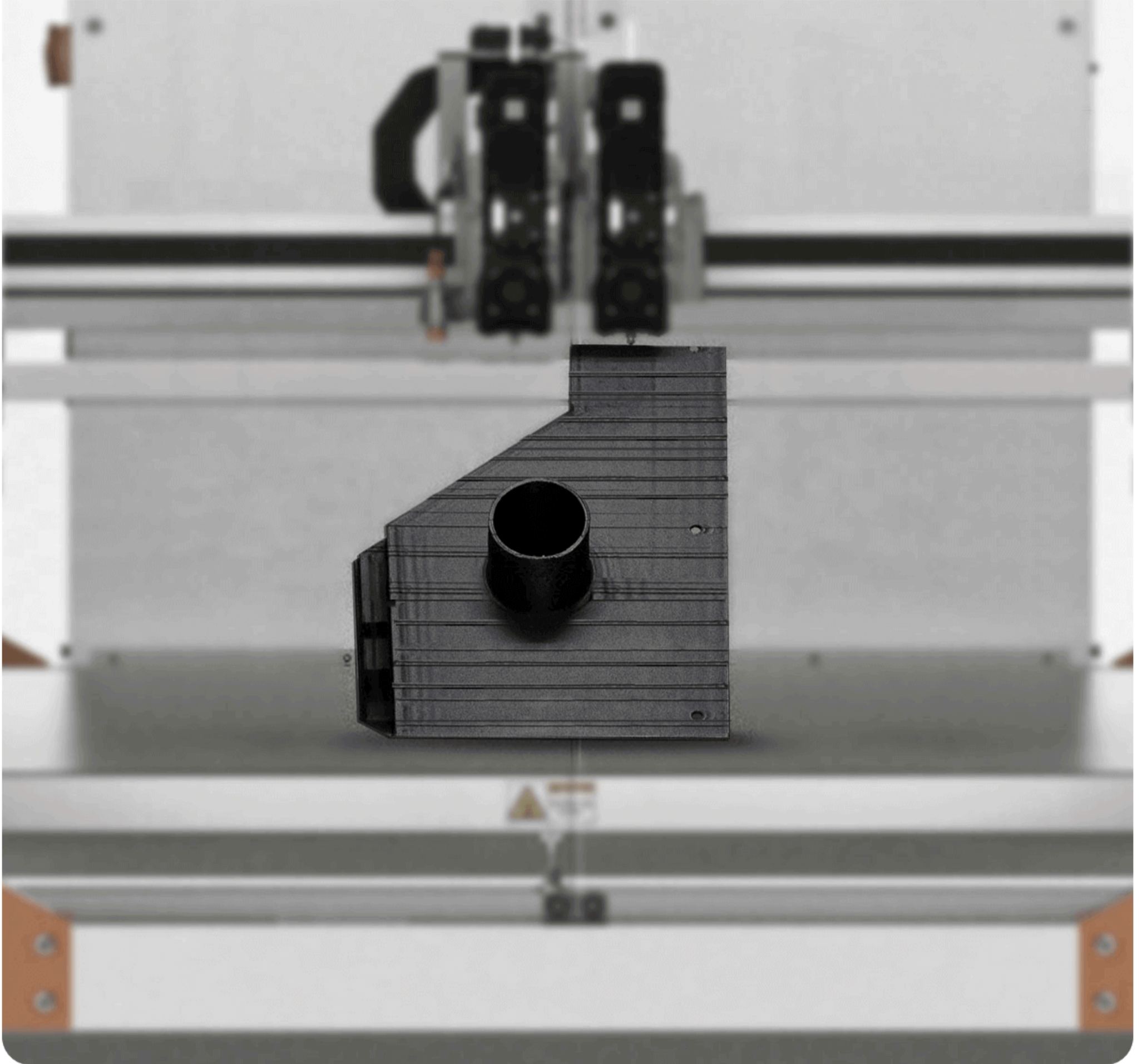
For industrial production, chamber temperature stability is critical for part-to-part uniformity. Active temperature control eliminates environmental variability, guaranteeing reliable repeatability.





Chamber Temperature Causes Printer Deformation.



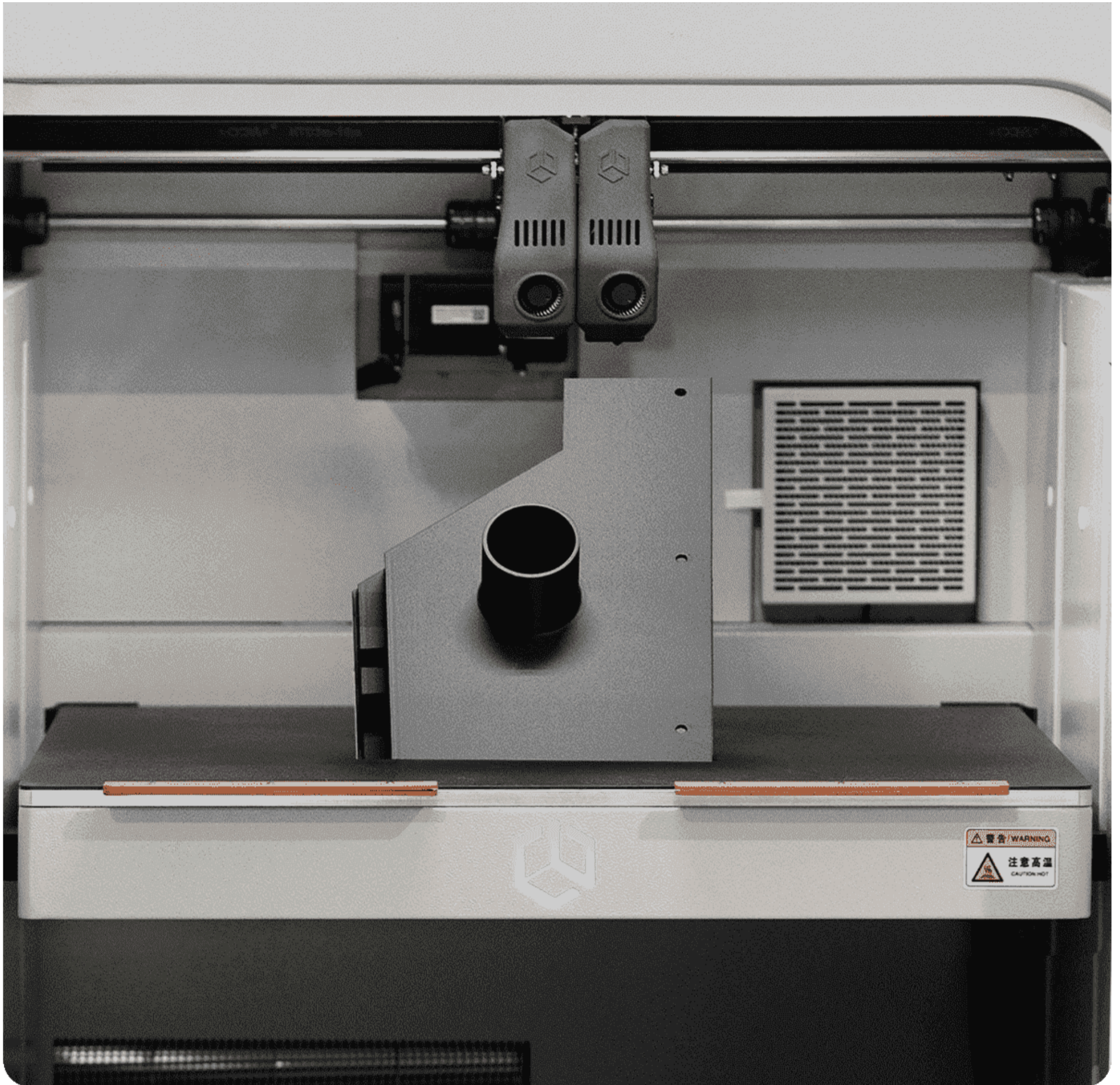


In large-format FFF 3D printing, when chamber temperature rises, the printer frame and structural components also undergo thermal deformation—metal expansion, axis misalignment, and mechanical part displacement. These micro-distortions accumulate layer by layer, ultimately leading to:

- 1) Layer misalignment and surface roughness
- 2) Loss of dimensional accuracy
- 3) Structural defects in large parts

This is why chamber temperature as an optional add-on, or manufacturers claiming it can be retrofitted later, demonstrate a lack of fundamental understanding. They have no compensation for machine deformation—some aren't even aware of the issue. They simply add it as a feature to meet customer demands, without considering print quality.





We have more than 8 years of research experience on the chamber temperature of FFF industrial printers.

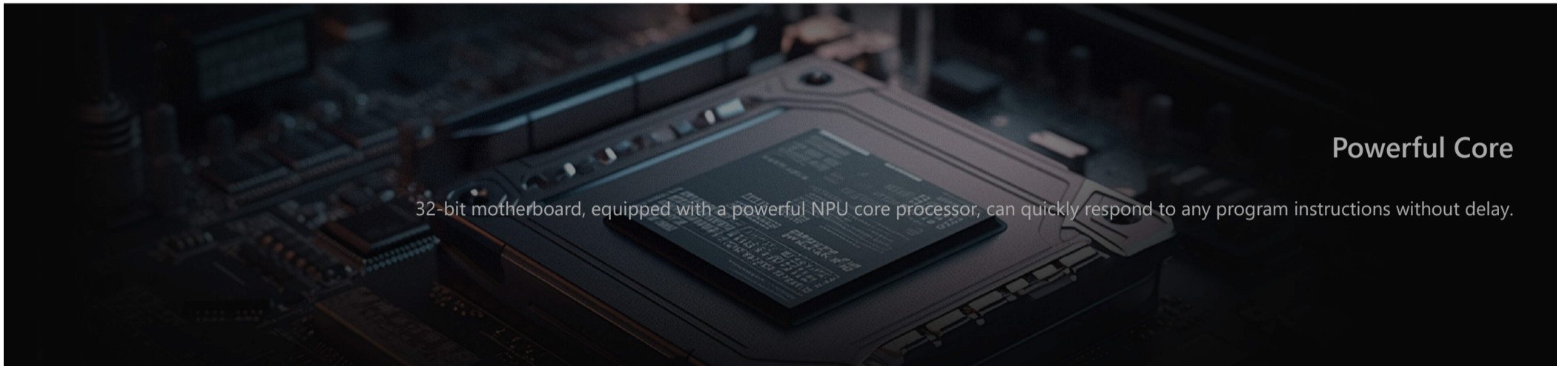
Our Solution: Intelligent Chamber Heating Algorithm + Z-Axis Magic Box Technology Through the synergy of these two patented technologies:

- 1) The Intelligent Chamber Heating Algorithm predicts and counteracts irregular deformations caused by chamber temperature variations
- 2) The Z-Axis Magic Box Technology perfectly maintains surface finish by real-time compensation for frame and build plate thermal expansion
- 3) The ultimate result? Flawless prints produced even when slight machine deformation has already occurred!
- 4) 3D printer's robust construction (machine weight matters) significantly minimizes deformation - the heavier the machine, the less distortion occurs!

Magnetic Suction Platform

Proprietary magnetic platform, large, easily removable, and heat-resistant over 100°C, and won't demagnetize over time. For oversized models, it is easy to detach them quickly and the bottom of the model is flat. Convenient to all operators.



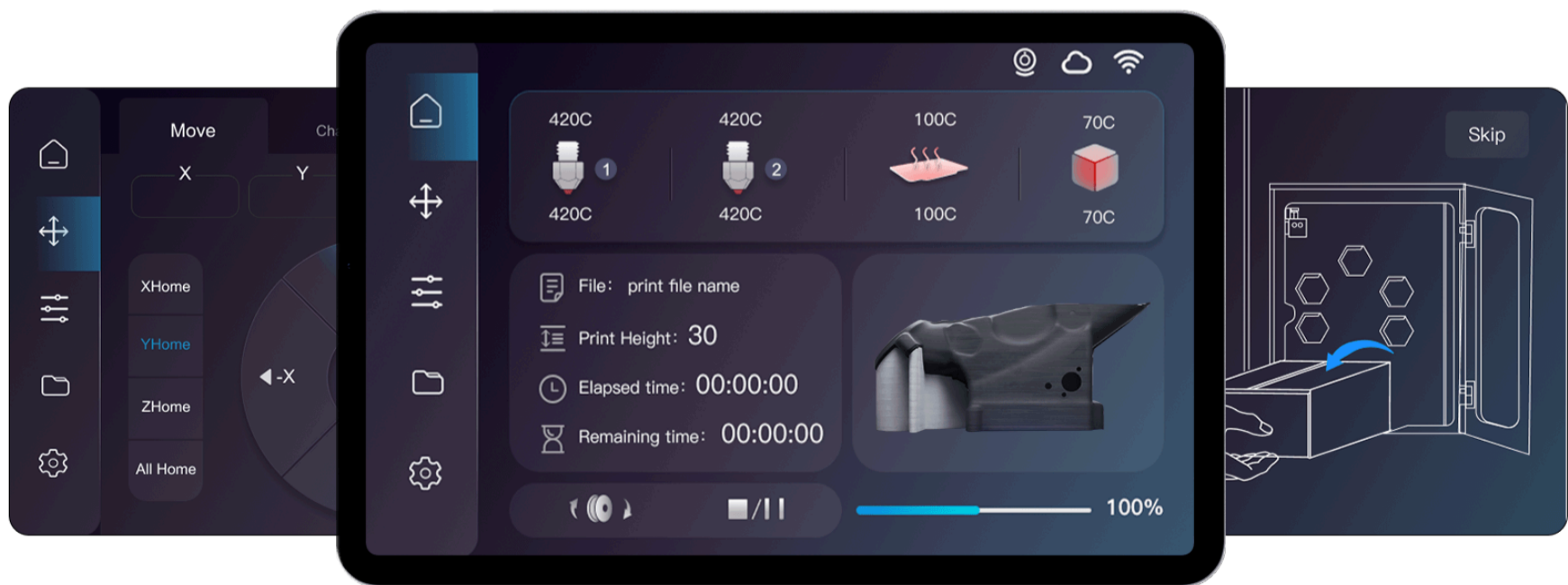


Powerful Core

32-bit motherboard, equipped with a powerful NPU core processor, can quickly respond to any program instructions without delay.

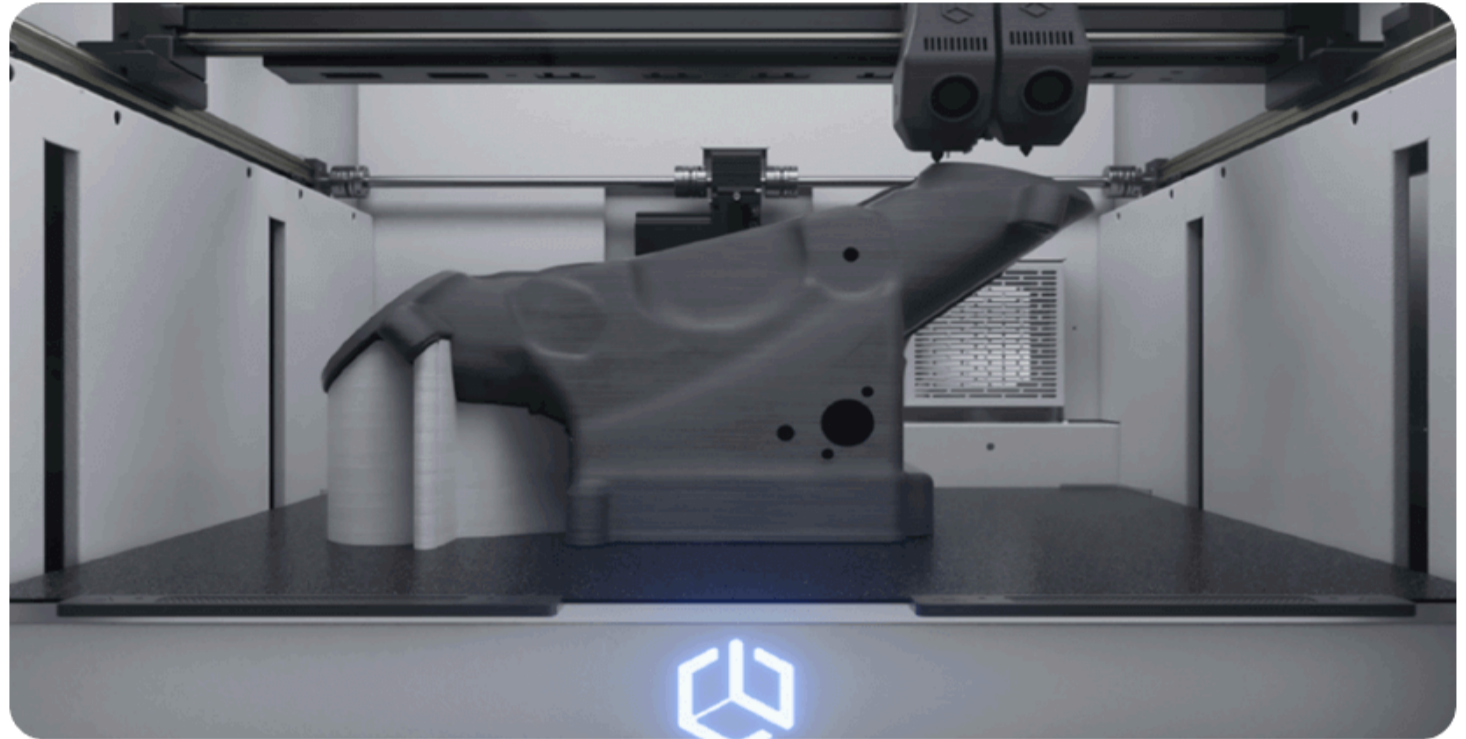
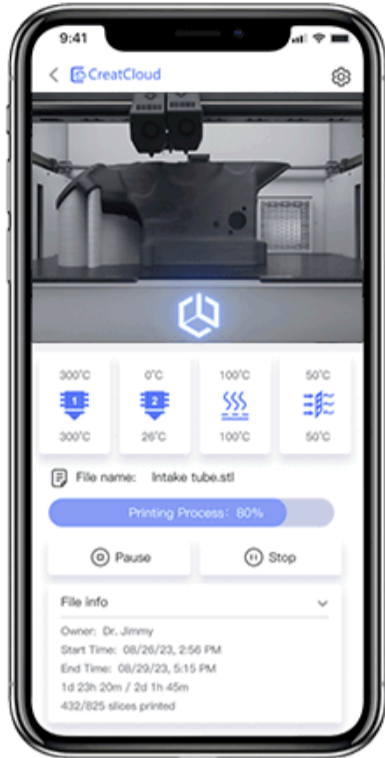
7-inch touch screen

A new UI design language, better user interaction experience, and more convenient operation.



Z magic box: Perfect Z surface

For tall Z distance 3D printing devices, the texture of the Z-axis surface texture will deteriorate as the model height increases. Our Z-axis magic box technology can greatly reduce or even eliminate the Z-surface texture of tall models, ensuring that the surface quality of the model remains smooth and consistent.



Camera Control Technology

Camera control technology allows customers to control the printing process on speed, pause, temp., etc., with an APP remotely, achieving the best printing quality in the shortest time without failure. A very useful feature for large models and long-time printing.

Technical Specs

Printing	
Print Technology	FDM
Build Volume	Single extrusion: 600*600*600mm Dual extrusion: 540*600*600mm
Number of Nozzles	Double
Auto rising extruders	Yes
Min layer height	0.05mm
Filament Diameter	1.75mm
Filament Compatibility:	PLA, ABS, ASA, PP, PETG, PC, Nylon, TPU, ABS-CF, PC-CF, PET-CF, PET-GF, UltraPA-CF, PPS-CF, etc
Nozzle Diameter	0.6mm (0.3, 0.4, 0.6, 0.8, 1.0mm)
Print File Type	GCODE

Temperature	
Max. Nozzle Temperature	420°C
Max. Bed Temperature	100°C
Max. Chamber Temperature	70°C
Filaments Drying Temperature	0-70°C (Timed)

Speed	
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Software	
Software Bundle	CreatWare, OrcaSlicer, Cura, Slice 3r
Supported File Types	STL, OBJ, AMF
Operating Systems	Windows ALL / Mac OS

Special Function	
Filament Detection	Pause printing when filament run out
Automatic leveling bed	Yes
Magic box Technology	Perfect Z direction texture
Camera Control	Monitoring + Control
Emergency stop switch	Yes
Firmware	Klipper High-speed
Dual Nozzle Auto-Resume Printing	Auto-switch to backup nozzle on filament runout.

Hardware	
X/Y motors	high-precision Servo motors
X/Y Axis	high-precision Linear slides
Air filter	HEPA+Carbon
Print bed	Removable magnetic platform(base on high-precision aviation aluminum plate)

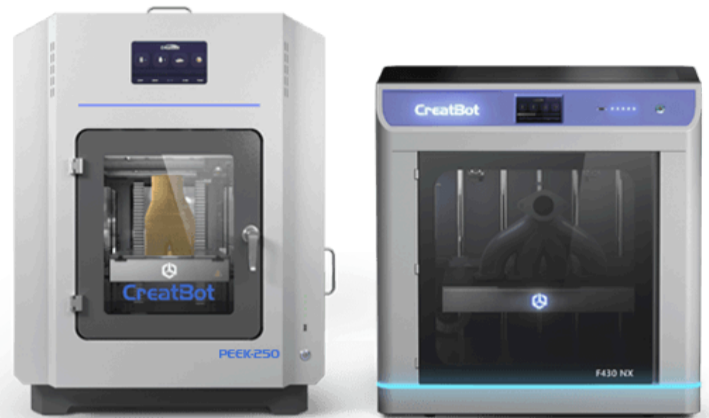
Electrical	
Power Requirements	240V, 50-60Hz
Max. Power	5500W
Screen	7 inch touch screen
Connectivity	USB/U disk/WiFi/LAN

Size & Weight	
Product Dimensions & Weight	1080*920*1245mm 200kg
Packing Size & Weight	1150*1000*1410mm 245kg

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We've put together a comprehensive comparison of our 3D printers, so you can find the one that's right for your needs.

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