

D1000 HS

One Cubic Meter Industrial Grade Large 3D Printer

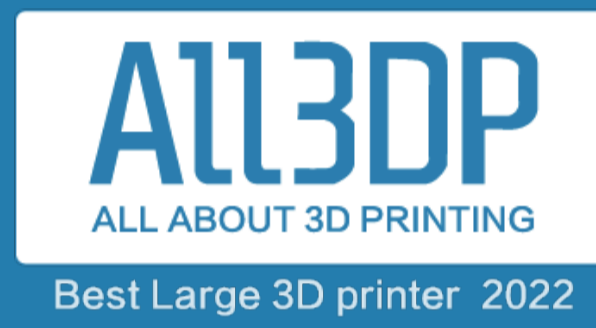
D1000 HS is upgraded from the model D1000, it is a new high-speed printing version based on the in-depth development of Klipper. It adopts a new hotend with a flow rate of up to a record-breaking 90 m³/s. The stable printing speed can reach 300mm/s, which is 5 times the speed of the D1000 model.

With a build volume of over 1000*1000*1000mm, 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.

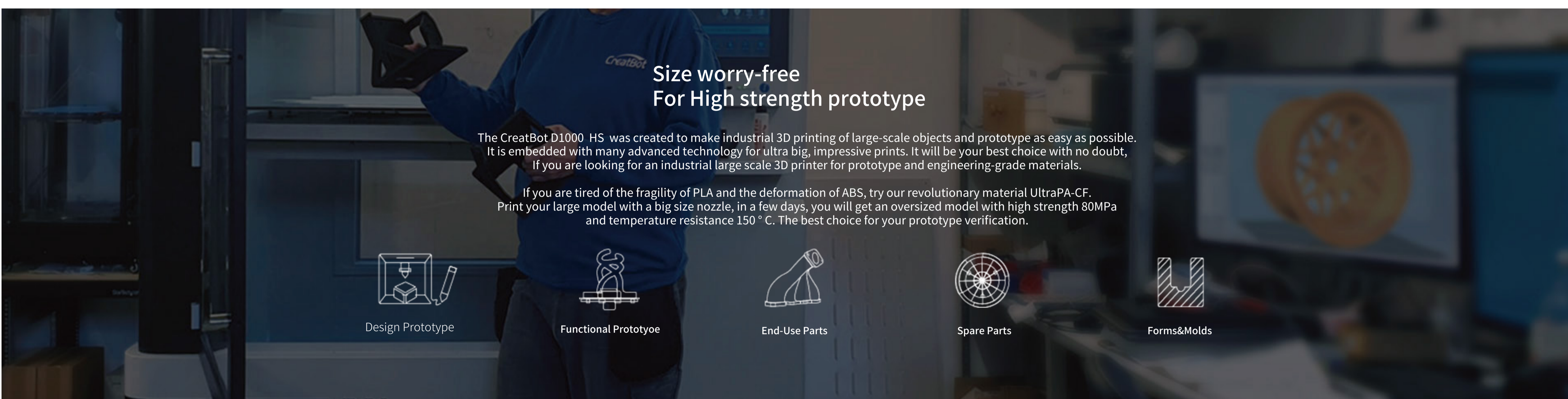
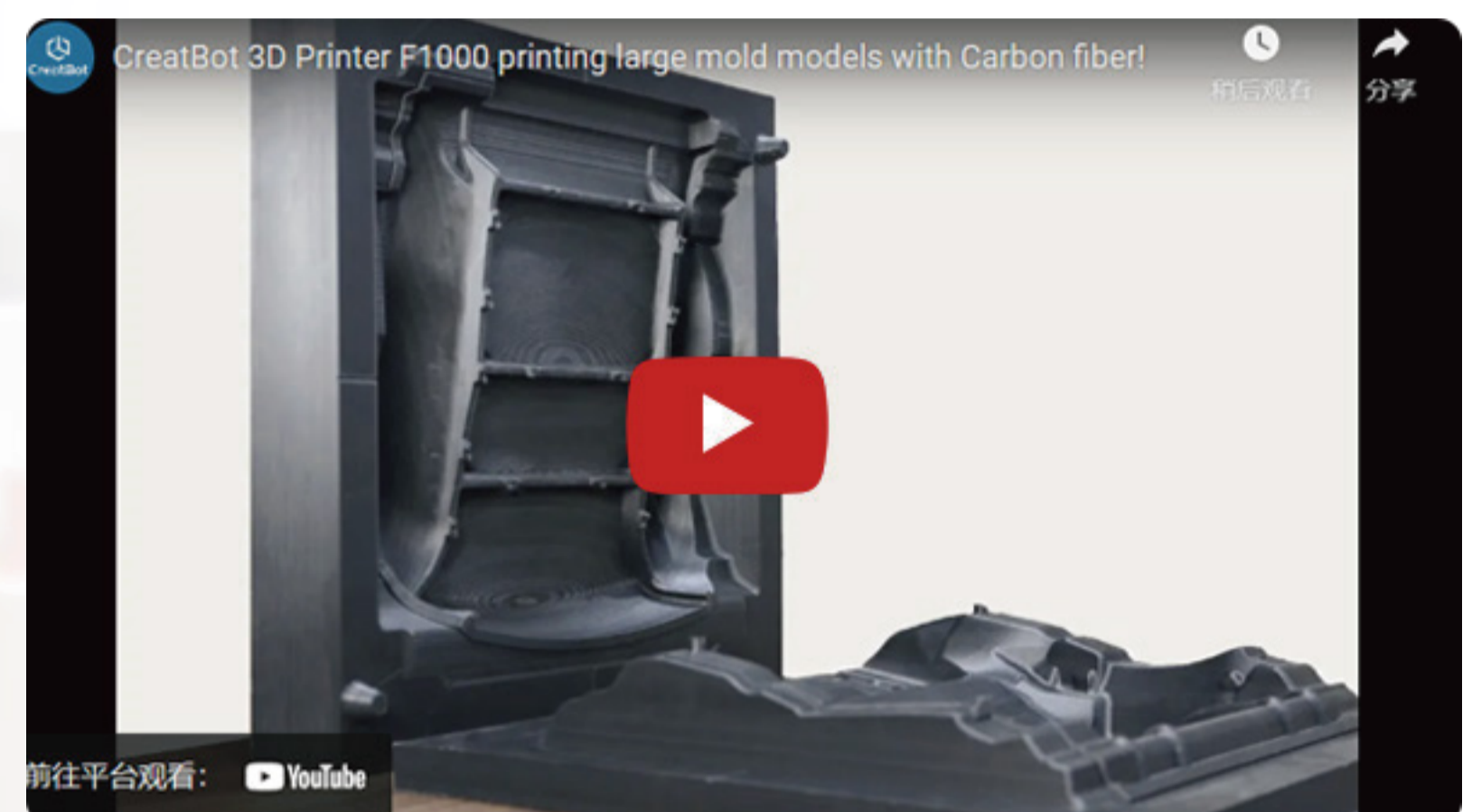
Every time, every parts, no mistake.

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Faurecia is a global advanced automotive system engineering and equipment supplier. They use the CreatBot 3D printer D1000 model to design and develop automotive seat molds, and are widely used in Audi, VW, NISSAN and GM motors. The molds in the video is their typical 3D printing product produced with D1000 3D printer. The Bowl and lid are required withstand 100MPa, we choose Nylon-carbon fiber materials for the production with 50% infill. Finally, the prints' performance is excellent and passed their strict testing!



Size worry-free For High strength prototype

The CreatBot D1000 HS was created to make industrial 3D printing of large-scale objects and prototype as easy as possible. It is embedded with many advanced technology for ultra big, impressive prints. It will be your best choice with no doubt, If you are looking for an industrial large scale 3D printer for prototype and engineering-grade materials.

If you are tired of the fragility of PLA and the deformation of ABS, try our revolutionary material UltraPA-CF. Print your large model with a big size nozzle, in a few days, you will get an oversized model with high strength 80MPa and temperature resistance 150 °C. The best choice for your prototype verification.



Design Prototype



Functional Prototype



End-Use Parts



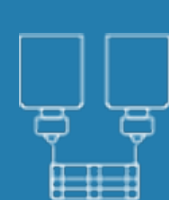
Spare Parts

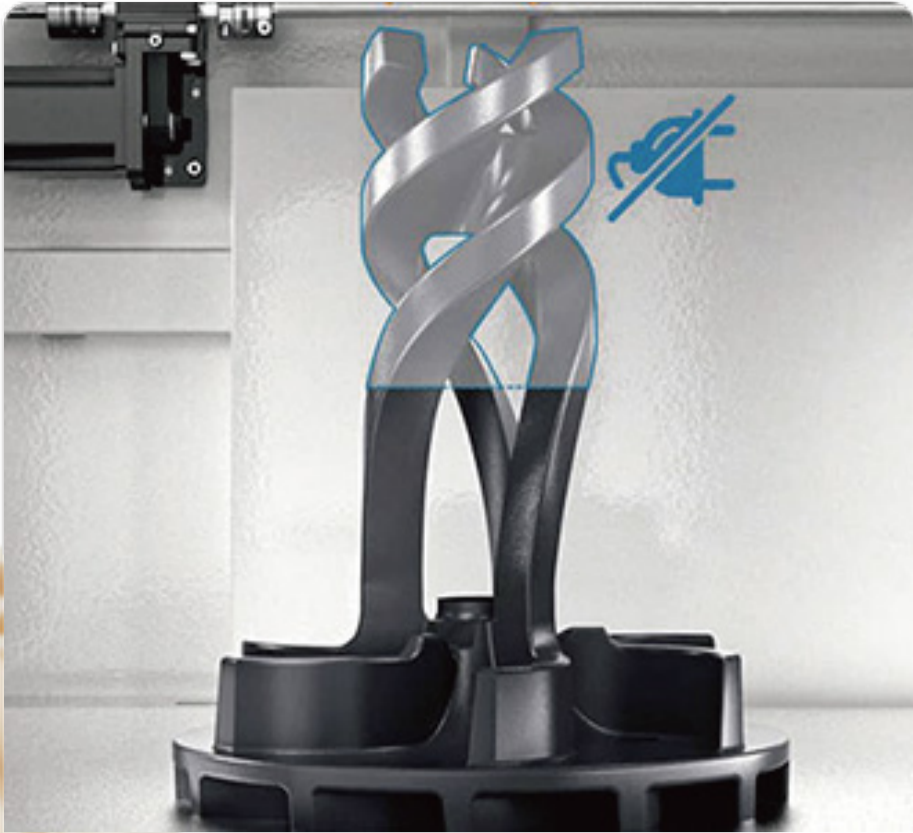


Forms&Molds

Auto-rising Dual Extruders 420 °C

D1000 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 m³/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.





Outage Restore & Filament Detection

The printer will automatically memorize the current position and save print data, lower the platform, and withdraw the filament when the power is off suddenly. It will continue to print from the last stopped point after power on. No trace! The printer will avoid invalid printing by stopping and warning when the filament runs out.



Linear rail and Servo motors

When it reaches 1000 HS mm+ length, small rails have a big deflection. The D1000 accurate linear rail structure is very thick and strong. It won't deform or lose precision after print head million times shock.

With servo motors, With timeliness, fast response, no inertia, and no delay. closed-loop control of position overcome the problem of losing step. heat and noise are significantly reduced. It gives print model ultra high performance with high speed.



Hot Chamber + Filament Dry Room

60°C hot chamber ensures print quality for high performance materials. The fully enclosed chamber can block all external interference. This frame also reduces noise while providing a constant temperature, ensuring that the model won't deform.

The filament dry room provides chamber temperatures of 45°C and 65°C to dry 2*5kg/roll filament like PLA, nylon, PC, ABS and other materials with water absorption.



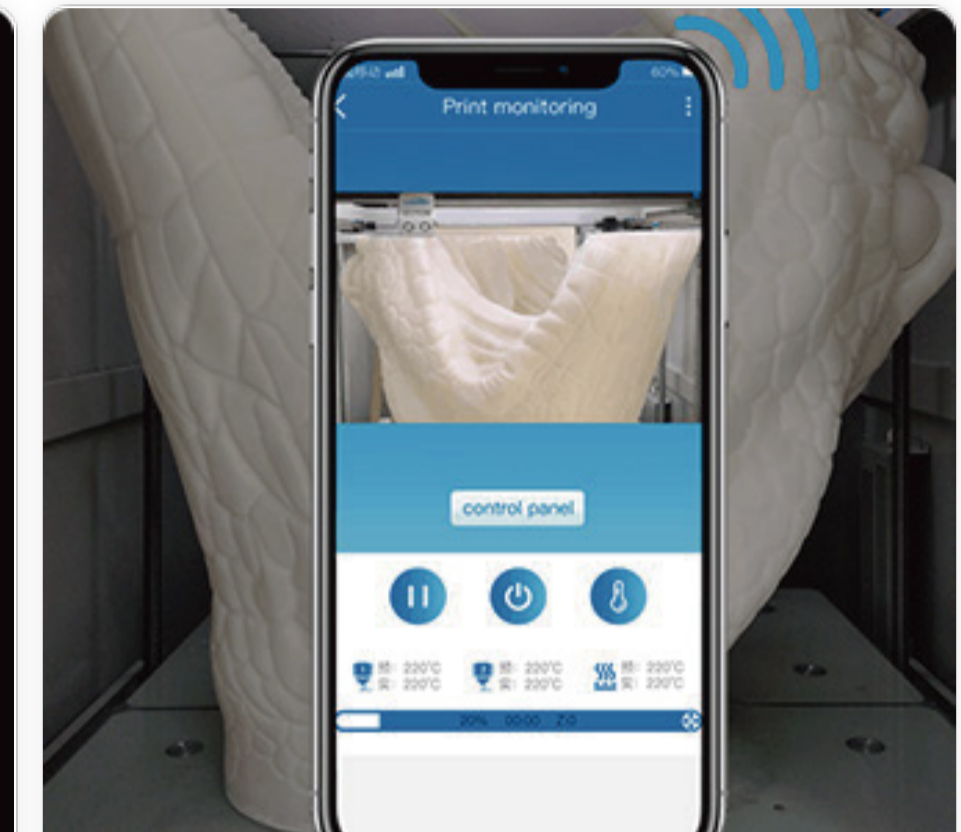
Auto Leveling Platform

Use of 100 points through the high precision servo probe to save the level of platform flatness data at the initial, through the Z axis intelligent compensation table height in the printing process to achieve fully automatic leveling.



HEPA Air Filter

The air filter system can adsorb impurities and gases that generated by printing special filament like ABS, Nylon, PC, more safe and environmental protection which is more suitable for house, school, office space.



Camera Control Technology

Camera control technology allow customers to control printing process on speed, pause, temp. etc with an APP remotely, which can get best printing quality with shortest time without failure. A very useful feature on large model and long time printing.



CREATBOT D1000 HS

- 1000*1000*1000mm
- High resolution&speed
- Camera control technology
- Reliable 24/7
- Fully enclosed



Stability

The whole-steel body not only ensure the stability during printing but also greatly extend working life. The optimization and cooperation of overall structure ensure the sustainable and efficient operation. The first batch of CreatBot 3d printers with whole-steel body have been working for 9 years and more than 30,000 hours.

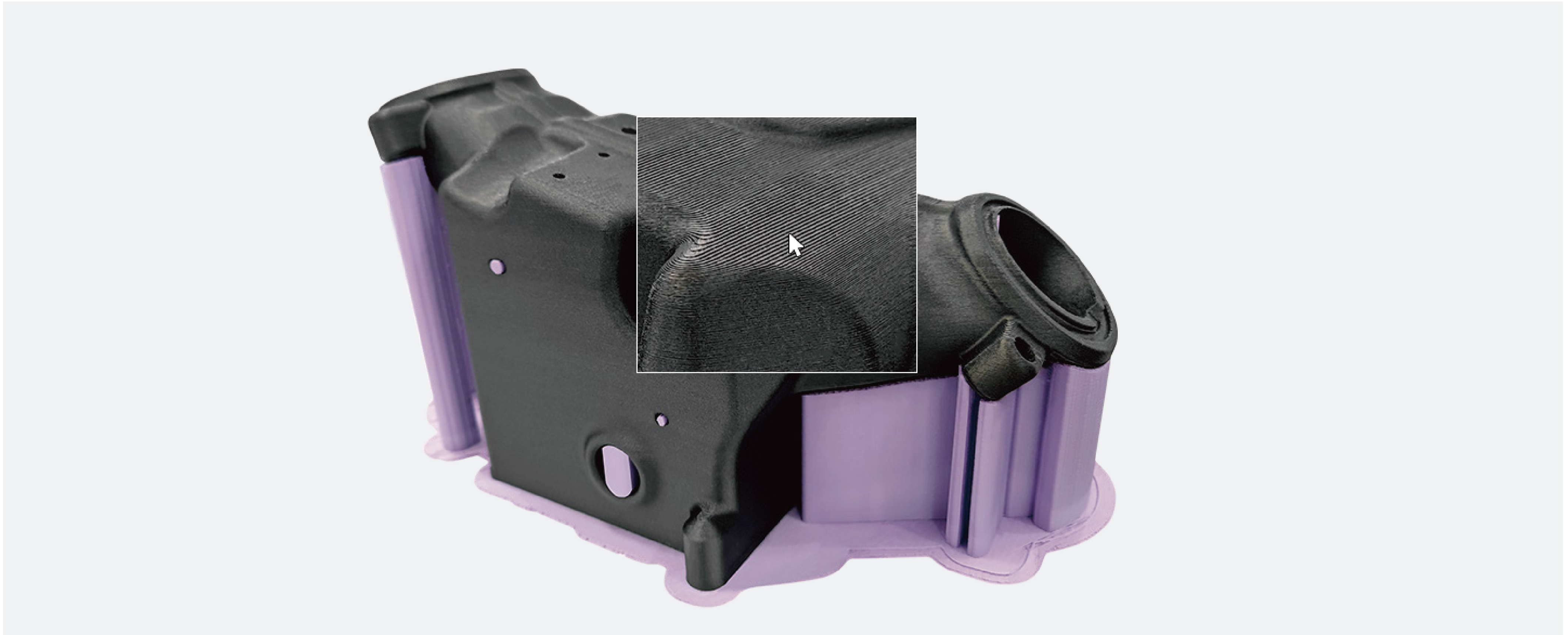
Affordable And Reliable Large 3D printer

CreatBot D1000 HS was created to make industrial 3d printing of large-scale objects and prototype as easy as possible. It is an industrial 3d printer that responds to market demand and is embedded with a new smart dual extruder kit, an enclosed heated chamber, automatic leveling system and camera control for big, impressive, prints. Camera control technology allow customers to control printing process with an APP, which can get best printing quality with shortest time without failure. With a fast-heating platform and hot chamber this high-resolution large-print workhorse produces incredible results with high-quality materials. CreatBot D1000 HS sets a new standard in additive manufacturing and extends the material capabilities of large-scale 3d printers, it brings the possible to greatly reduce cost and time for more companies.

CreatBot D1000 HS will be your best choice with no doubt, if you are looking for an industrial large scale 3d printer for prototype and engineering-grade materials.

The most important, AFFORDABLE for every company!

Printing in single and dual-extrusion modes



Technical Specs

Printing	
Print Technology	Fused Deposition Modeling
Build Volume	Single Extrusion: 1000*1000*1000 mm Dual Extrusion: 940*1000*1000 mm
Number of Nozzles	Auto-rising dual extruders
Layer Resolution	0.05 mm
Filament Diameter	1.75 mm
Filament Compatibility	PLA,ABS,PETG,ASA,PC,Nylon,PLA-CF,PET-CF,UltraPA-CF,等
Nozzle Diameter	0.8mm (0.3-1.0mm optional)
Print File Type	STL, OBJ, AMF, Gcode

Speed	
Print speed	100-300 mm/s
Travel speed	300 mm/s
Flow rate	90 mm ³ /s

Software	
Software	CreatWare, Orca Slicer, Cura, Simplify3D, Prusa, etc
Supported File Types	STL,OBJ,Gcode,AMF,STP,STEP
Operating Systems	Windows, macOS

Special Function	
Air filter	HEPA+Carbon
Filament Detection	Pause printing when filament run out
Firmware	Klipper - high speed
Camera control	Camera remote monitoring and real-time control of the printing process

Temperature	
Max. Nozzle Temperature	420 °C
Max. Bed Temperature	100°C
Hot Chamber Temperature	60°C
Filament Dry Room Temperature	0 °C/70 °C

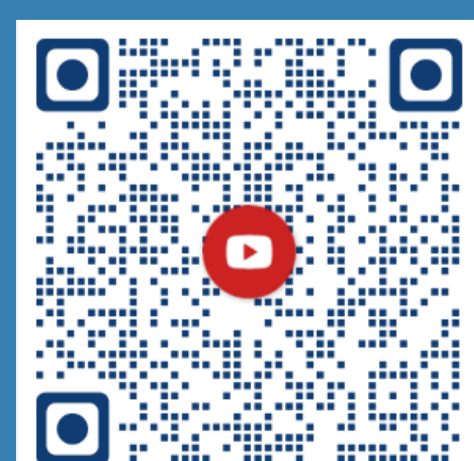
Mechanical	
Build Plate	Aviation aluminum plates+removable magnetic platform
Build Plate Leveling	Automatic
Extruder	Smart Dual Extruders
Auto raising extruders	Yes
X Y Positioning Precision	0.011 mm
Z Positioning Precision	0.0025 mm

Electrical	
Power Requirements	220-240 V, 50-60 Hz
Screen	10-inch full color touch screen independent operating system (multi-language)
Rated Power	Printer: 4000W, Chamber: 4500W
Storage Media	U Disk/ WIFI
Connectivity	USB

Size & Weight	
Product Dimensions & Weight	1810*1350*1942mm 650kg
Packing Size & Weight	1980*1520*2200mm 750kg



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