

D1000

One Cubic Meter Industrial Grade Large 3D Printer.

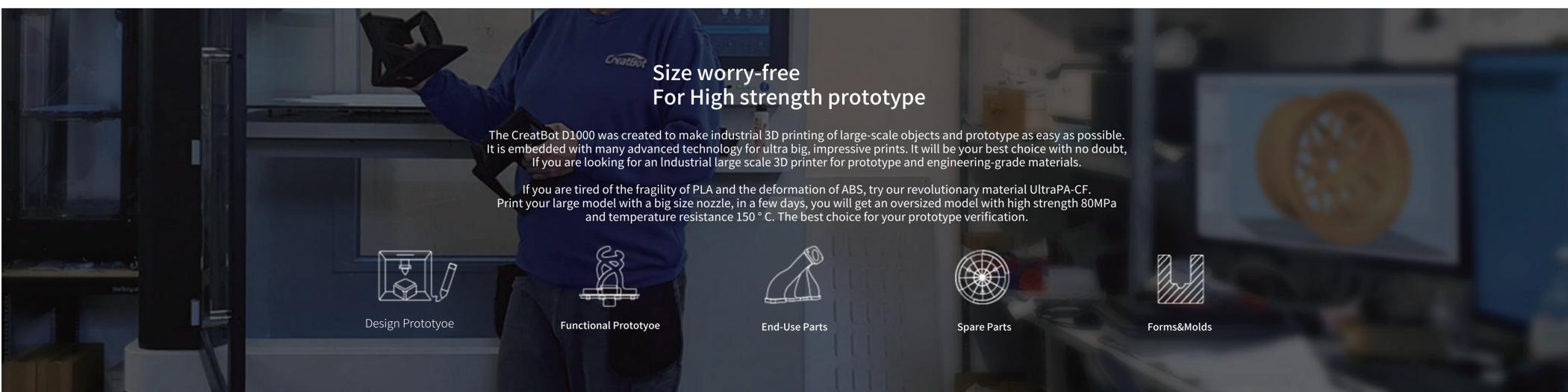
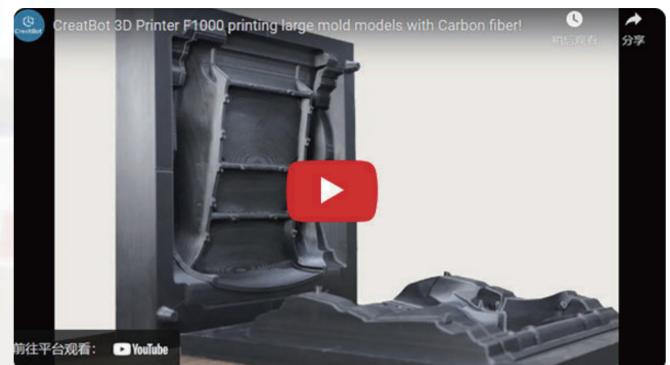
D1000 is upgraded from the model F1000. With a build volume of over 1000*1000*1000mm, it is the perfect machine for creating large and full size parts, prototype, tools, molds, jigs & fixtures in-house. Within days you can have a fully functional high quality prototype. CreatBot big rolls filament of 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.

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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 are excellent and passed their strict testing!



Size worry-free For High strength prototype

The CreatBot D1000 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 is embedded with new smart auto-rising dual-extruder kit hotend temperature up to 420 °C. The hotend can be replaced to different size one fastly, it is able to print not only huge PLA +water solubility materials PVA for prototype with fastest speed, but also ABS, PC, Nylon, Carbon Fiber, Flexible and more high performance material 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 filament when power 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 print and warning when filament runs out.



Linear rail and Servo motors

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

With servo motors, timeliness, fast response, no inertia, 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. Also this frame can reduce noises, at the same time to provide constant temperature, so 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.



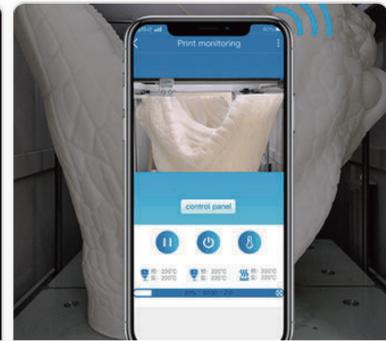
Auto Leveling Platform

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.



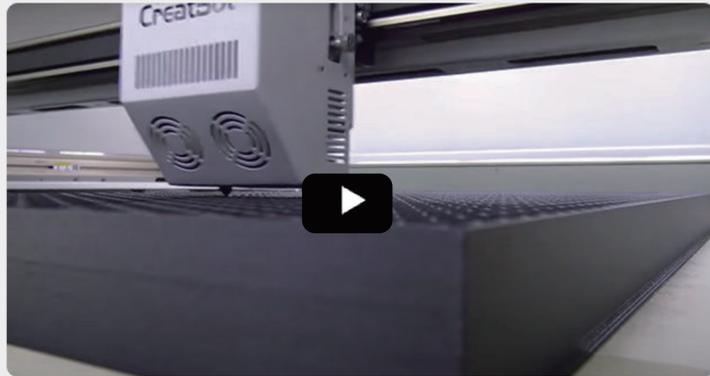
HEPA Air Filter

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

- 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.

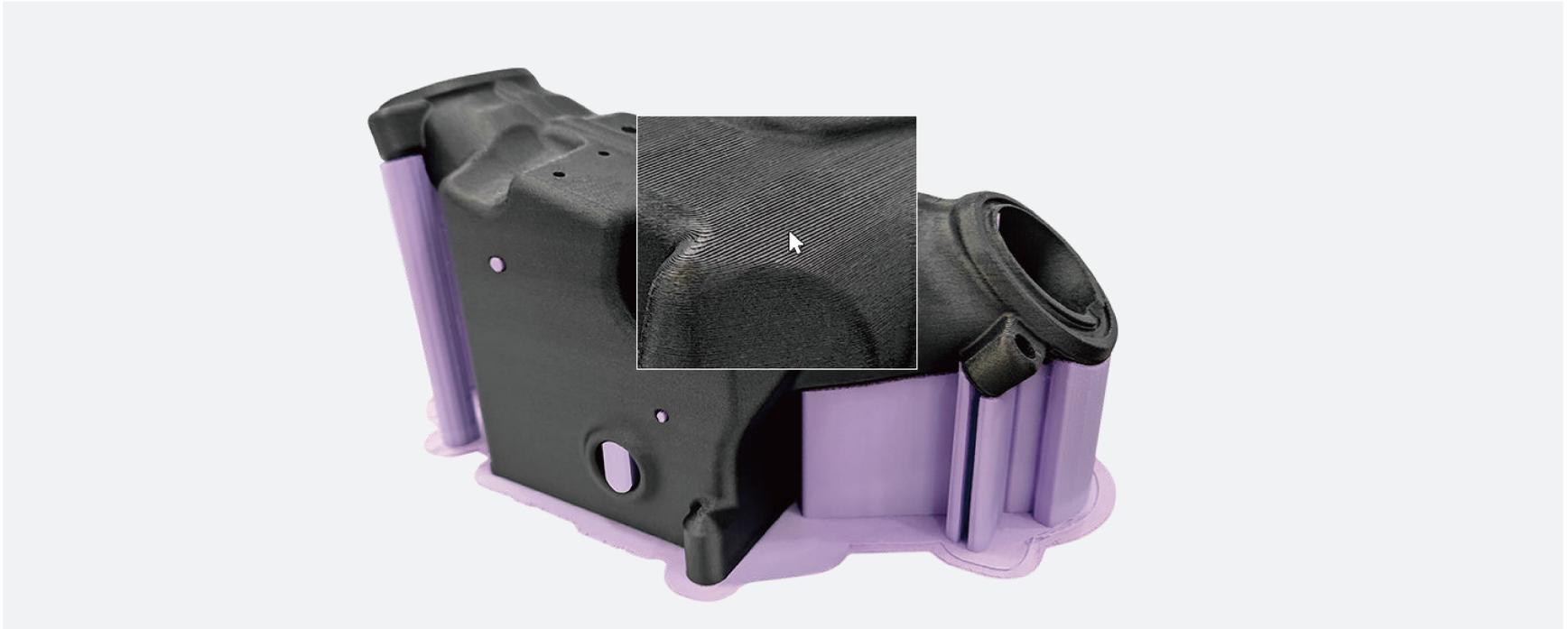
Affordable And Reliable Large 3D printer

CreatBot D1000 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 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 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	ABS,PLA,Carbon Fiber,PETG,Nylon,PC,etc.
Nozzle Diameter	1.0 mm (0.4-1.5 mm optional)
Print File Type	STL, OBJ, AMF, Gcode

Speed	
Best Printing speed	60 mm/s
Max. Printing speed	120 mm/s

Software	
Software	CreatWare, Simplify 3D, Cura, Slic3r, etc
Supported File Types	STL,OBJ,Gcode,AMF
Operating Systems	Windowsall, macOS

Special Function	
Outage Restored	Save data when power is off
Filament Detection	Pause printing when filament run out
Automatic Shut-down	Turn off the power automatically when printing is complete
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	45 °C/65 °C

Mechanical	
Construction	Power-Coated Steel, Aluminum Casting for Motion Components, POM
Build Plate	Aviation aluminum plates
Build Plate Leveling	Automatic
Extruder	Smart Dual Extruders
Stepper Motors	1.8° Step Angle with 1/16 Micro-stepping
X Y Positioning Precision	0.011 mm
Z Positioning Precision	0.0025 mm

Electrical	
Power Requirements	220-240 V, 50-60 Hz
Screen	9.7-inch full color touch screen independent operating system (multi-language)
Rated Power	Printer: 4000W, Chamber: 4500W
Storage Media	U D i s k
Connectivity	USB

Size & Weight	
Product Dimensions & Weight	1810*1350*1942mm 650kg
Packing Size & Weight	1980x1520x2200mm 750kg