

CreatBot D1000



1. Smart auto rise dual extruders 420 °C

F1000 is embedded with new smart auto rise dual-extruder kit hotend temperature up to 420 °C, it is able to print not only huge PLA 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.



2. High Precision

We exclusively research and develop the extruder feeding system to support high-speed printing, and accuracy can reach up to 0.1 mm, it allows to extrude filament steady without block.

Precision up to: 0.1 mm Speed up to: 200 mm/s



3.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.



4. Accurate Linear Guide Rail

The accurate linear rail structure can print models in accuracy high reach to 4~5 times higher than the other ordinary optical axis printers in mass market. This structure offers accurate filament feeding, so that can print large model fast and perfectly.



5. Fully Enclosed Chamber

Hot Chamber + Filament Drying Room

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.

60 °C hot chamber ensures print quality for high performance materials.

The consumable drying chamber provides chamber temperatures of 45 °C and 65 °C to dry nylon, PC, ABS and other materials with high water absorption.



6. Outage Restored & Filament Detection

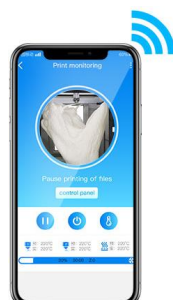
The printer will automatically memorize the current position and save print data. Lower the platform and withdraw filament when power off suddenly. It will continue to print from the last stopped point after power's on.

The printer will avoid invalid printing by stopping print and warning when filament runs out.



7. 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.



Model: Prop snake head
 Material: PLA +
 Weight: 35 kg (7*5 kg/roll)
 Nozzle: 1.2 mm

 Dimension: 990*980*950 mm
 Infill: 5%
 Layer height: 0.5 mm
 Time: 250 hours



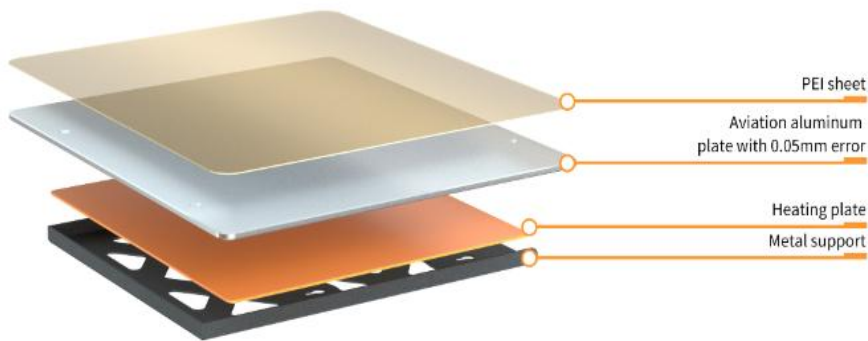
Model: Male statue
 Material: PLA +
 Weight: 15 kg
 Nozzle: 1.2 mm

 Dimension: 1 800*550*300 mm
 Infill: 5%
 Layer height: 0.5 mm
 Time: 150 hours



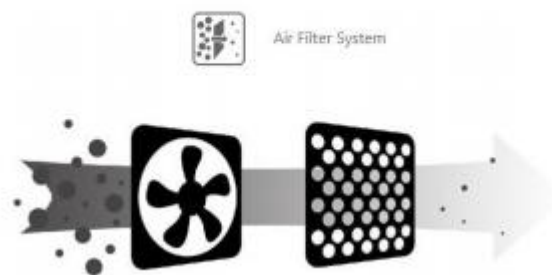
9. Efficient Platform

The platform surface is attached with the 3D printing special stickers, and the printer has vertical thermal conductivity so that can support high thermal efficiency. You can set the parameters to turn off the hot bed automatically after the specified number of layers.



10. Air Filter System

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



Technical Specs

Printing	
Print Technology	Fused Deposition Modeling
Build Volume	1 000*1 000*1 000 mm
Number of Nozzles	Double
Accuracy	0.1 mm
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)
Print File Type	STL, OBJ, AMF, Gcode
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 plate with 0.05mm error+PEI buildtak
Build Plate Leveling	Automatic
Extruder	Smart Auto Rise Dual Extruders
Stepper Motors	1.8° Step Angle with 1/16 Micro-stepping
X Y Positioning Precision	0.011 mm
Z Positioning Precision	0.002 5 mm
Software	
Software Bundle	CreatWare, Simplify 3D, Cura, Slice 3r, etc
Supported File Types	STL,OBJ,Gcode,AMF
Operating Systems	Win7/8/10, 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
Speed	
Best Printing speed	100 mm/s
Max. Printing speed	200 mm/s
Electrical	
Power Requirements	220~240 V, 50~60 Hz
Screen	9.7-inch full color touch screen independent operating system (multi-language)
Max. Power	Printer: 4000W, Chamber: 4500W
Storage Media	U Disk
Connectivity	USB
Size & Weight	
Product Dimensions & Weight	1810*1350*1920mm 650kg
Packing Size & Weight	1980×1520×2200mm 750kg