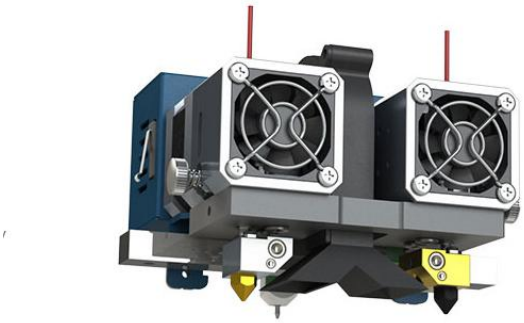
CreatBot F430

1.Support 420°C Hotend

We are the first one to publish 420°C high temperature nozzle to 3d printer market since year of 2016, now it is the 4th new tech version.

F430 equiped with dual extruders, The left 260°C hotend is able to print with PLA, ABS, PC, Nylon, Carbon fiber, Flexible, etc. The right 420°C hotend is made of martensite steel, which is able to print High performance material like PEEK, ULTEM, etc.

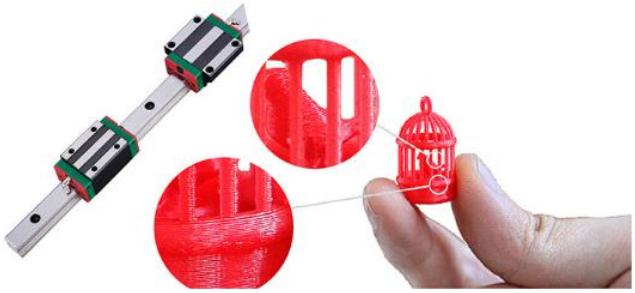
The dual hotend is replaceable, which provide more possibility on your application.



2. High Precision & High Speed

We exclusively research and develop the extruder feeding system and guide rail, which support high-speed printing. Its printing accuracy can reach high to 0.04mm,and it allows to extrude filament steady without block.

Precision up to: 0.04 mm Speed up to: 120 mm/s



3.Stability

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

4. Fully Enclosed+Hot Chamber 70°C

-Fully enclosed chamber can block all external interfernce and reduce noise.

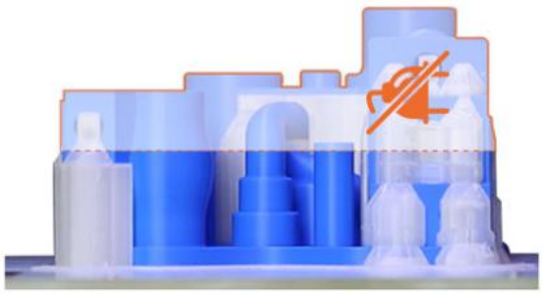
-Hot chamber device provide constant room temperature 70°C,which is able to prevent prints from warping and deform.

5.Outage Restored & Filament Detection

The printer will automatically memorize the current position and save print data.

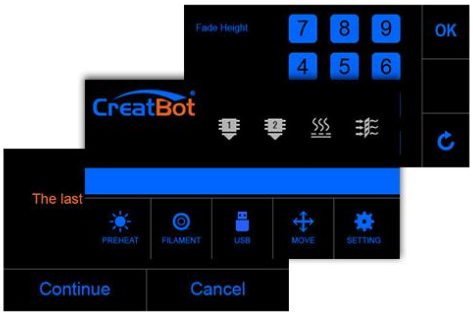
Lower the platform and withdraw filament when power off suddenly. It will continue to print from the last stopped point after power's on.

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



6.Touch Screen

-The printer have all-english-menu touch screen which is easy - -Operate and friendly use. One key to warm,one key to print as well as many other shortcut keys.



7.Platform

Glass-Ceramic Platform + Carbon Fiber Sheet

The printer has a heatable glass-ceramic platform and a carbon fiber sheet coverd.

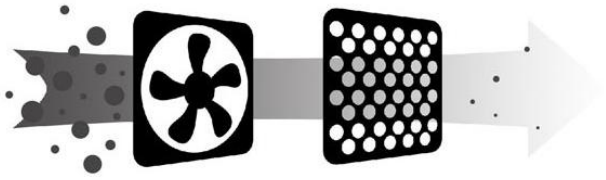
Glass-ceramic have hight thermal efficiency and best low-expansion coefficient, so it don't deform when heating&cooling.

-Carbon fiber sheet is tough and removable. Heat can be deliver efficiently. Most materials can be extruded and sticked to bed very well.

8.Air Filter System

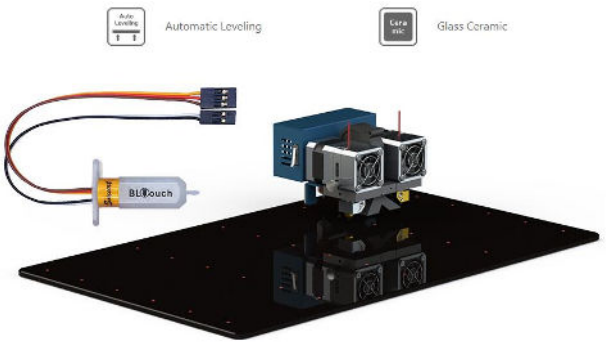
The air filter system can adsorb impurities and gases that generated by printing special filament, more safe and environmental protection which is more suitable for house, school, office space.


Air Filter System



9.Automatic Leveling Platform

BLtouch smart version use of 25 points, use of 25 points through the 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.



Technical Specs

Printing	
Print Technology	Fused Deposition Modeling（FDM）
Build Volume	400*300*300 mm
Number of Nozzles	Double
Resolution	0.04 mm
Layer Resolution	0.02 mm
Filament Diameter	1.75 mm
Filament Compatibility	PLA, ABS, Carbon Fiber, Wood, Nylon, PC, PTEG, HIPS, PP, Flexible, TPU, PVA, PEEK, etc.
Nozzle Diameter	0.4mm (0.3 0.5 0.6 0.8 1.0mm)
Print File Type	STL, OBJ, AMF, Gcode
Speed	
Best Printing speed	55 mm/s
Max. Printing speed	180 mm/s
Electrical	
Power Requirements	100-240V, 50-60Hz
Max. Power	1 500 W
Screen	4.3'' Touch Screen
Control Chip	ATmega 2560
Storage Media	U Disk
Connectivity	USB
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
Temperature	
Ambient Operating Temperature	15 ℃~32 ℃
Max. Nozzle Temperature	420 ℃
Max. Bed Temperature	140 ℃
Max. Chamber Temperature	70 ℃
Mechanical	
Construction	Power-Coated Steel, Aluminum Casting for Motion Components
Build Plate	Glass Ceramic Panel
Build Plate Leveling	Automatic
Extruder	Directly Drive
Stepper Motors	1.8° Step Angle with 1/16 Micro-stepping
X Y Positioning Precision	12.7 μm
Z Positioning Precision	1.25 μm
0	
Software Bundle	CreatWare, Simplify 3D, Cura, Slice 3r, etc
Supported File Types	STL,OBJ,AMF
Operating Systems	Win7/8/10, MacOS
Size & Weight	
Product Dimensions & Weight	620*485*680 mm 48 kg
Packing Size & Weight	750*580*720 mm 62 kg