



CreatBot F430

THE MOST REALIABLE
FLAGSHIP 3D PRINTER
SUITABLE FOR MULTIPLE GRADES OF
MATERIALS

Get a quote

Check Specs

Build something extraordinary in your field!

Metal 420° High Metal Large Outage Filament Glass Touch Direct Auto Fully Hot Air Air Filter
Hotend Hotend Precision Chassis BuildSize Saving Checking Ceramic Screen Drive Leveling Enclosed Chamber System

What makes F430 to be the most welcomed 3d printer product?

CreatBot F430 is the powerful 3D printer with most advanced desktop 3D technology. It provides solutions for just about every application from concept to prototype and high performance material direct production. Its best-in-class technical specifications deliver performance you can rely on.

Big Build Volume	High Resolution	Reliable Enough	Compatible Filament	Heat Control System
400*300*300mm	0.04mm	to run 24/7	<p>-Consumer-grade: PLA, ABS, PET-G, HIPS, PVA,etc</p> <p>-Industrial-grade: Glass/Carbon fiber, Nylon+, PC, ASA, TPU/E, PP, etc</p> <p>-High Performance:Metal Fill, Ultem, PEEK,etc</p>	<p>-Hotend 260°C+420°C</p> <p>-Hot Bed 120°C</p> <p>-Hot Chamber 70°C</p>

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.

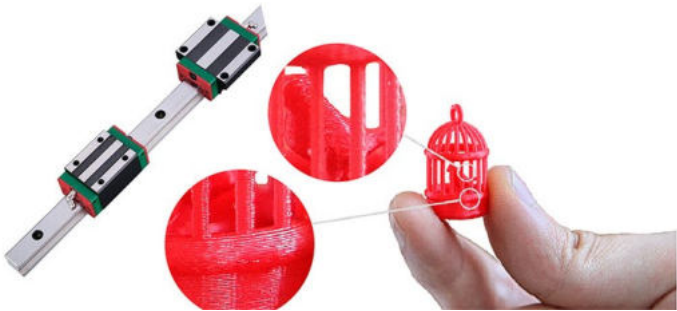
F430 equipped with dual extruders, The left 260°C hotend is able to print with PLA, ABS, PC, Nylon, Carbon fiber, Flexible, etc. The right 420°C hotend is made of martensite steel, which is able to print High performance material like PEEK, ULTEM, etc.

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



420 °C Hotend

Direct Drive



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.

High Precision

Precision up to: 0.04 mm

Speed up to: 120 mm/s

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.



Metal Chassis



Fully enclosed, acrylic doors can be opened remove prints more conveniently
Hot air system can make the chamber temperature up to 70 degrees

Fully Enclosed+Hot Chamber 70°C

- Fully enclosed chamber can block all external interference and reduce noise.
- Hot chamber device provide constant room temperature 70°C,which is able to prevent prints from warping and deform.



Fully Enclosed



Hot Air System

Outage Restored & Filament Detection

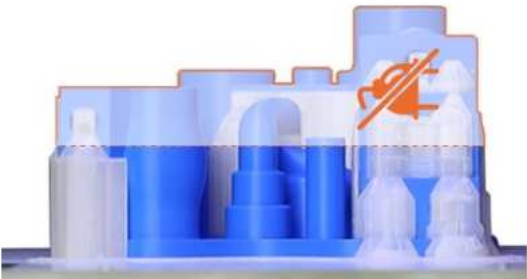
The printer will automatically memorize the current position and save print data.
Lower the platform and withdraw filament when power off suddenly. It will continue to print from the last stopped point after power's on.
The printer will avoid invalid printing by stoping print and warning when filament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



Outage Restored



Filament Detection



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.



Touch Screen

Platform

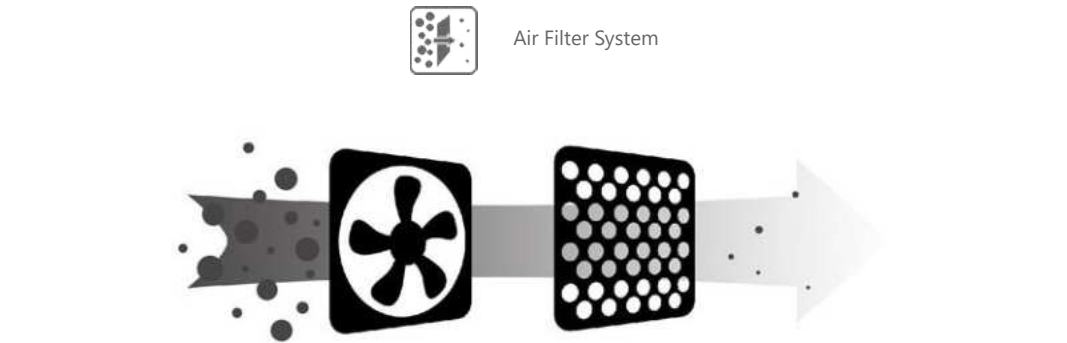
Glass-Ceramic Platform + Carbon Fiber Sheet

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.



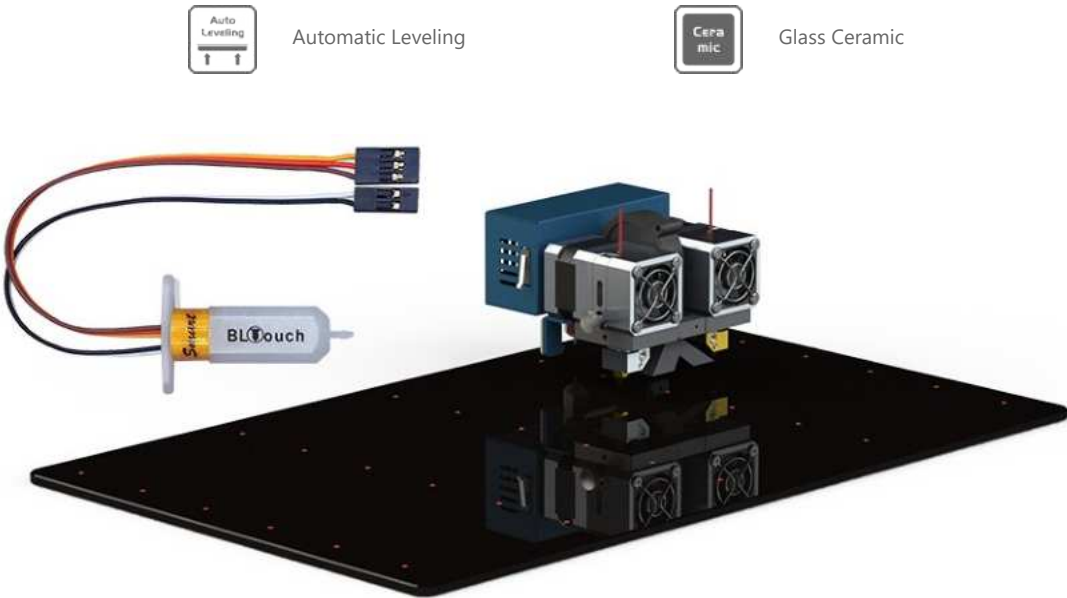
Air Filter System

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.



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 °C~32 °C
Max. Nozzle Temperature	420 °C
Max. Bed Temperature	140 °C
Max. Chamber Temperature	70 °C

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

Software	
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

NEED HELP DECIDING?

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

Compare Printers



