

# FLASHFORGE INVENTOR



**Create a jotful 3D life with you!**

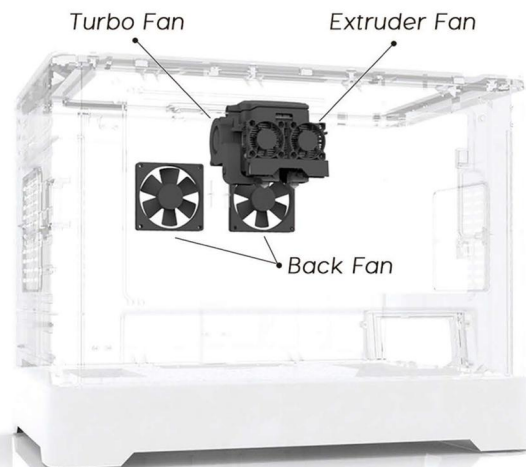


## Less warping ABS. More successful and accurate output.

Temperature is very important for ABS filament printing. Inventor features a closable door and removable top lid to keep out dust and foreign particles, meanwhile eliminates exterior temperature interference. The built-in heat-controlling sensor activates fans automatically to stabilize the printing temperature for high-quality ABS prints.

## Less stringing PLA. Smoother curves on finished prints.

Extruded PLA filament need to be cooled down quickly to reduce stringing, strands of plastic on places where the 3D printer shouldn't print, and yield out prints with smoother curves. Five cooling fans will be activated automatically when the temperature in the extruders and chamber reach to certain values. This enables you to end up with great PLA prints.



## Not only ABS and PLA, but also a wide range of materials.

Inventor comes with proprietary dual extruder and it have both insulation and cooling function . It allows you to print the main part with ABS filament and the support structures with dissolvable filament which can be melt in lemon bathe. And this gives you solid infill for delicate overhangs and objects with internal moving parts. Also it can be tuned to print with a wide range of experimental materials such as Flex, and composite materials such as woodFill.

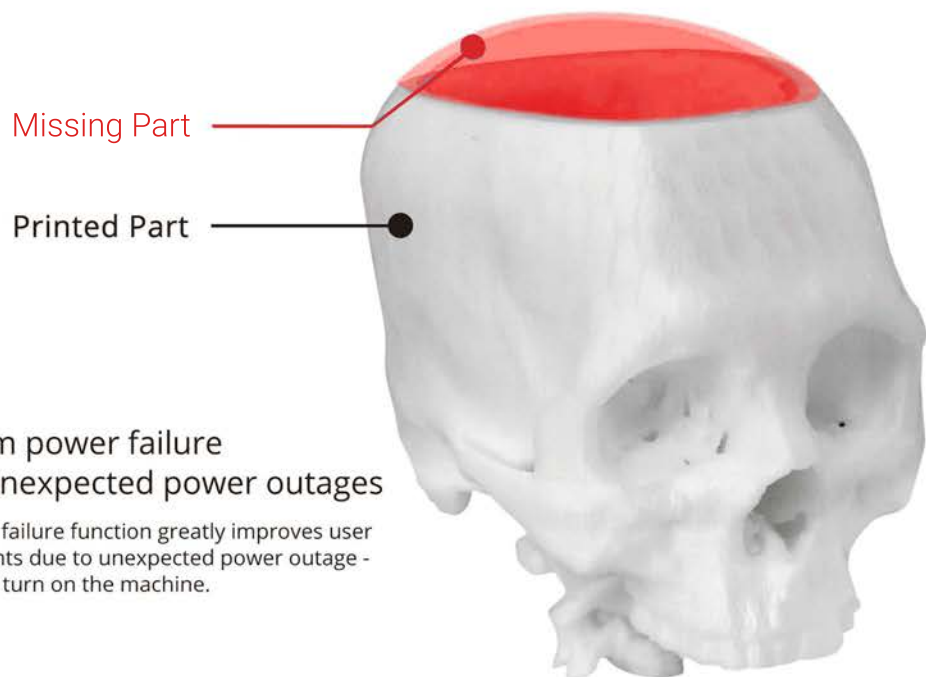




Build-in Camera

## Live printing - Observe your model in real time

It's not easy to observe a model which requires 30 hours or more of printing - you won't know how the printing is going. Now you can use the built-in camera and the APP to monitor the printing progress when you're away from the printer.



Missing Part

Printed Part

## Resume printing from power failure No longer afraid of unexpected power outages

Resuming printing from power failure function greatly improves user experience. No more failed prints due to unexpected power outage - resume printing right after you turn on the machine.

# Inventor Specifications

## PRINTING

### Printing Technology

Fused Filament Fabrication  
[FFF]

### Build Volume

230 L X 150 W X 160 H mm  
[9.0 X 5.9 X 6.3 in]

### Positioning Precision

XY: 11 microns [0.0004 in]  
Z: 2.5 microns [0.0001 in]

### Filament Diameter

1.75 mm  
[0.069 in]

### Layer Resolution

50-400 microns  
[0.0039-0.019 in]

### Nozzle Diameter

0.4 mm  
[0.015 in]



## SOFTWARE & ELECTRICAL

### Software & Firmware

FlashPrint

### File Type

Input: STL, OBJ, 3MF, FFP; Output: .g/.gx

### Connectivity

Wi-Fi, USB Cable, SD Card

### Language Support

English / German / Japanese / Russian / Italian  
Korean / Chinese / Czech

### Operating Systems

Windows XP / Vista / 7/8/10  
Linux / Mac OS X

### AC Input

100V-240V, 4.5A-2.5A,



## MECHANICAL & DIMENSIONS

### Frame & Body

Plastic Alloy

### Extruder Quantity

Two

### Product Dimension

485 x 344 x 382 mm  
[19.1 x 13.5 x 15.0 in]

### Product Weight

14.8 kg  
[32.6 lbs]

### Shipping Dimension

565 x 415 x 500 mm  
[22.2 x 16.3 x 19.7 in]

### Shipping Weight

21.5 kg  
[37.8 lbs]



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