INVENT3D Printer Unpacking Instructions

Before printing, read the Operating Instructions and Troubleshooting Guide in its entirety!
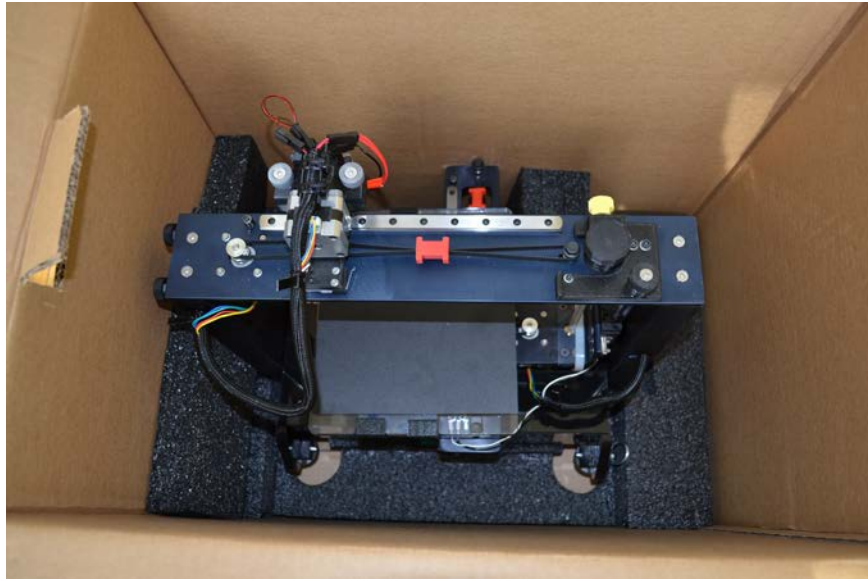
1. Remove the top foam cover and vertically lift out the two foam stabilizers.
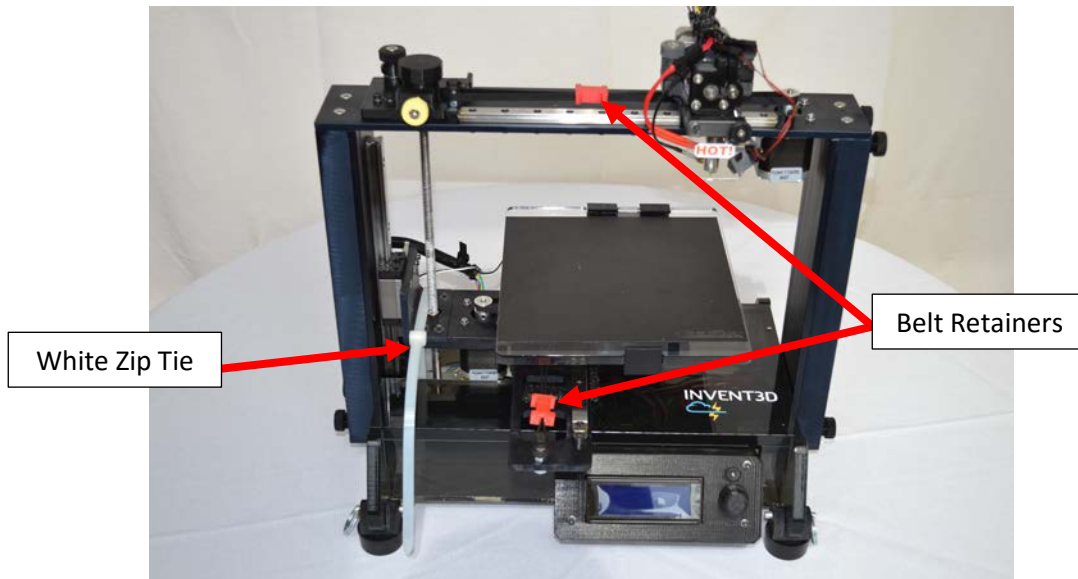

Top Cover

Foam Stabilizers

2. Vertically slide the side box out. Side box contents are listed in Appendix A.
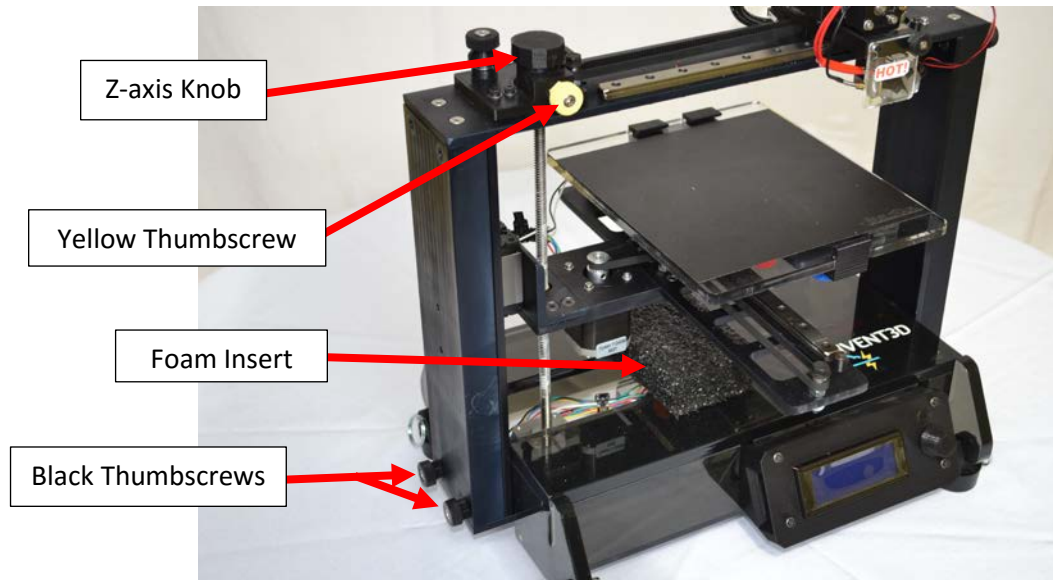

Side Box

INVENT3D PRINTER

3. By grabbing both sides of the printer frame, lift the printer out of the box

4. Remove the two belt retainers and cut the white zip tie
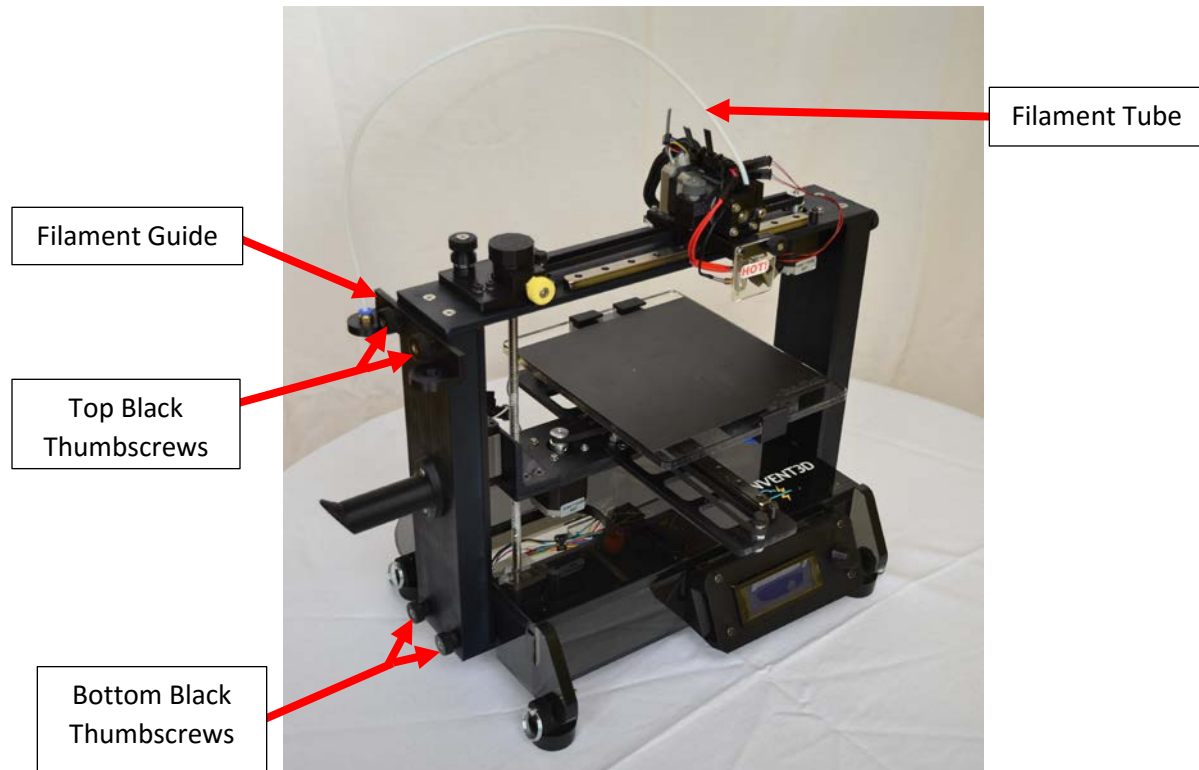

White Zip Tie

Belt Retainers

5. Loosen the yellow thumb screw and rotate the z-axis knob counter-clockwise to lift the print platform. Once lifted, remove the foam insert from underneath
6. Remove the two black thumb screws and slide the left side channel off of the printer

Z-axis Knob

Yellow Thumbscrew

Foam Insert

Black Thumbscrews

7. Using the white thumb screws, attach the spool holder with the orientation show below

8. Attach the side channel to the printer frame using only the bottom two holes. Make sure the wiring is all contained within the channel as it was when it was first removed. Do not overtighten black thumbscrews.
9. Attach the filament guide to the frame using the top two holes on the side channel and the remaining black thumbscrews. Place the free end of the filament tube into the top of the extruder drive as shown below.

10. Connect the power supply by attaching it to the power plug on the back of the printer. Once that is complete, follow the procedure in the instructions on board leveling and z-axis calibration.

Appendix A: Side Box Contents

1. INVENT3D Welcome Guide
2. Printer Operating Instructions and Troubleshooting Guide
3. USB Cable (if printer is used for direct drive off of a printer)
4. Filament Guide with Filament Tube attached
5. 2 Black Thumbscrews
6. 2 White Thumbscrews
7. Spool Holder
8. Power Supply
9. Scraper
10. Test part (Printer operation validated at INVENT3D production facility. Test file on SD card.)