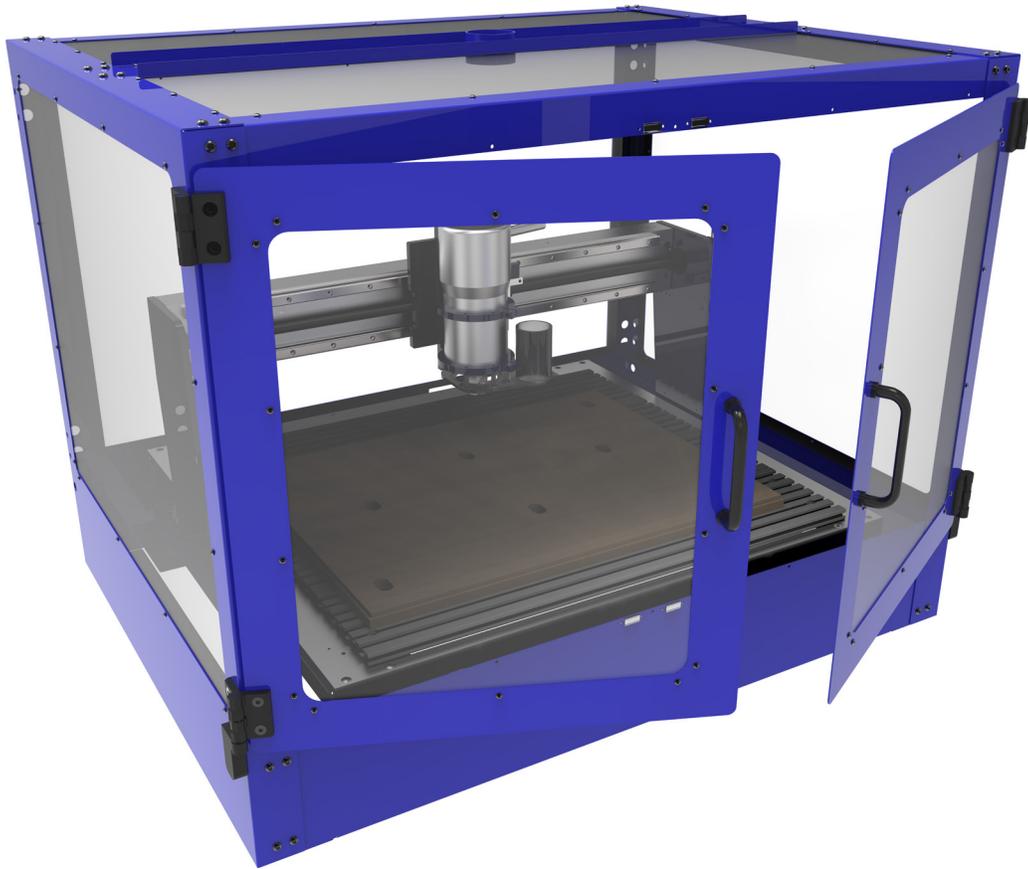




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Desktop Full Enclosure Assembly for DT3



Tools Required

- Screwdriver, Phillips
- Screwdriver, Flat
- 5/8" Open End Wrench or Adjustable Wrench

Parts List



Allen Wrenches,
4mm & 3mm



BHSCS M6-1.0x10mm
Quantity: 40
(required extras included)



Cable Harness



Thread Forming Screw
6-19 x 1/2"
Quantity: 50
(extras included)



BHSCS M5 x 12
Quantity: 4



Mounting Bracket
Quantity: 4



Handle
Quantity: 2



3' 2.5" Dust Hoses with 4 Clamps



Switch Box & 4 Screws



Grommet

Note: Items on this page are not shown to scale.

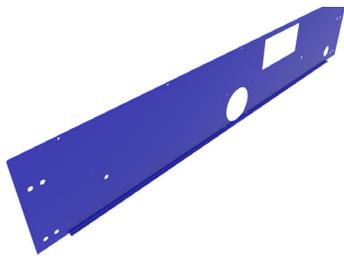
Parts List (continued)



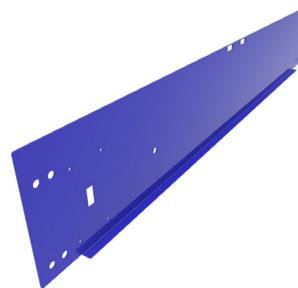
Left Door Assembly



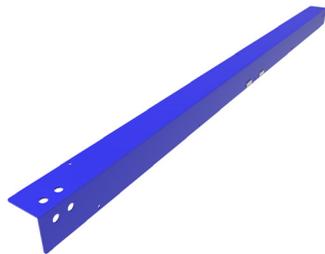
Right Door Assembly



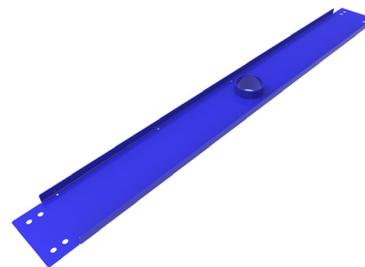
Back Bottom Support



Front Bottom Support



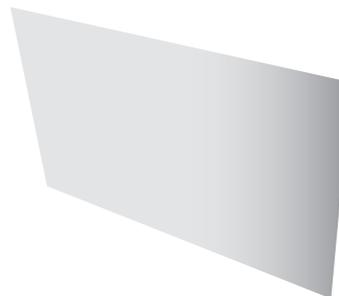
Top Support
1 with Magnets
1 without Magnets



Top Center Support



Plastic Top Enclosure
Quantity: 2



Plastic Back Enclosure
Full DT3

Note: Items on this page are not shown to scale.

Getting Started

The Desktop Full Enclosure must be assembled around the ShopBot Desktop Tool. Before assembly, confirm that the enclosure sits inside the edges of your desk or work surface. Plan for the assembly location to be where your tool will be located for use.

Minimum workbench top: 40.5" width x 31" depth

Make sure all cables and dust collection have been disconnected from the tool.

While assembling the enclosure, finger tighten all screws to allow for alignment adjustments.

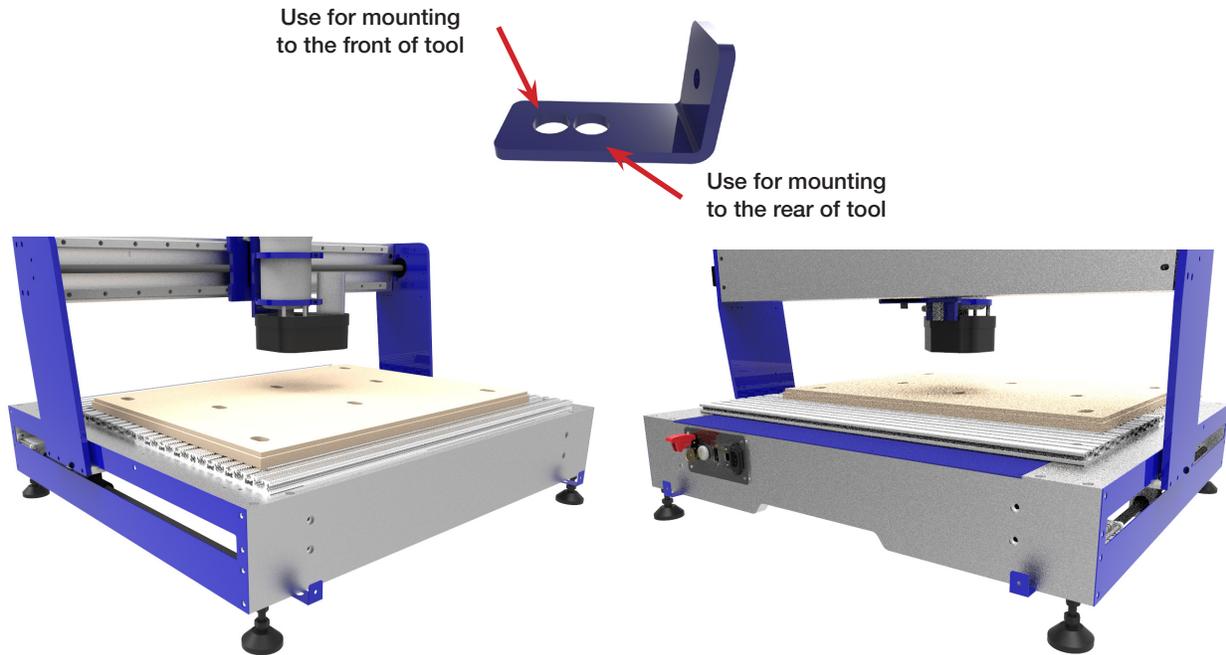
Two people are recommended for assembly.



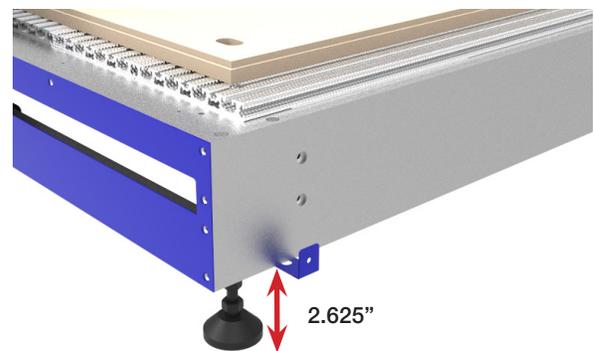
Locate the interlock connector at the rear of the tool. It will be under the tool near the red power switch. Leave it attached, but extend it and route it around the back foot, so that it is laying to the side of the tool for accessibility during assembly.

Install Front and Rear Brackets to the ShopBot Desktop

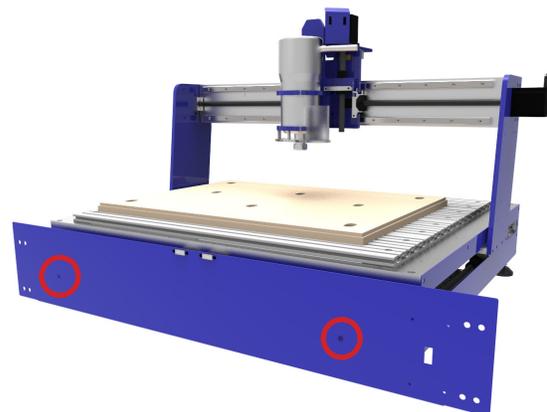
Install front and rear brackets using 3/8" hex head bolts. The hole farther from the bend is used for mounting to the front. The hole closer to the bend is used for mounting to the rear. Use a square to align the brackets so they are perpendicular to the front and rear.



Using a 5/8" open end wrench adjust the leg levelers on the desktop to raise or lower the machine to have 2.625" from your bench to the center of the threaded hole in the above installed brackets.



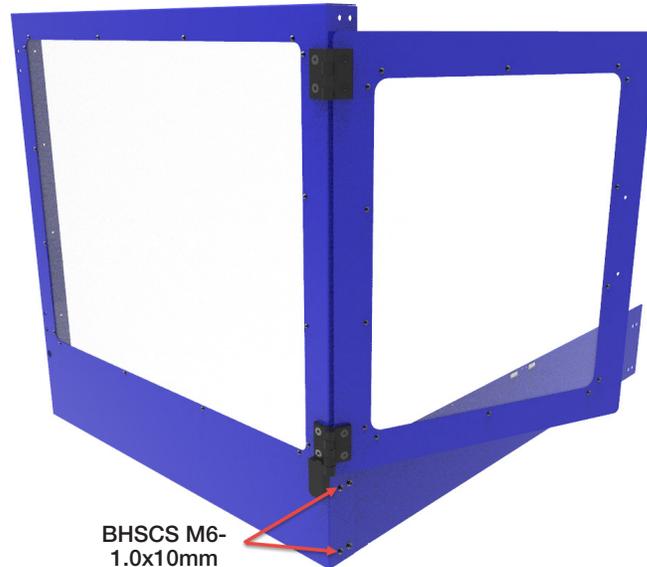
Mount the Front Bottom Support to the brackets installed on the front of the Desktop using 2 BHSCS M6-1.0x10mm.



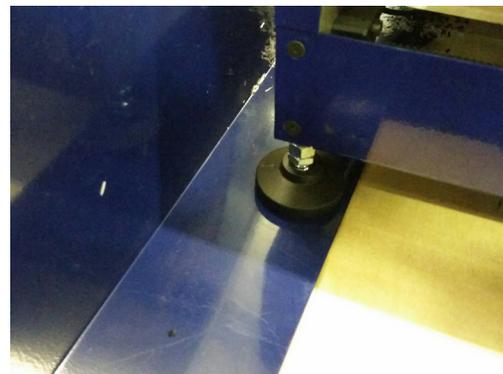
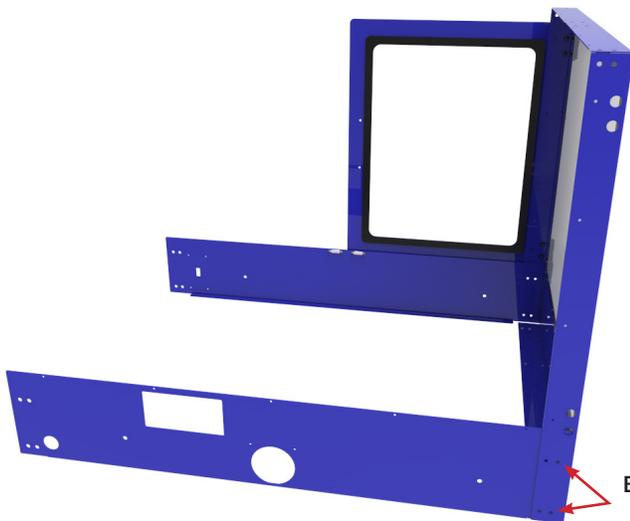
Attach the Left Door Assembly to the Front Bottom Support using 4 BHSCS M6-1.0x10mm. Tighten the bolt just enough to allow the side to stay in place. Lift the ShopBot Desktop tool to set the front feet on top of the Front Bottom Support flange.



The door assembly flange should be in front of the front bottom support.



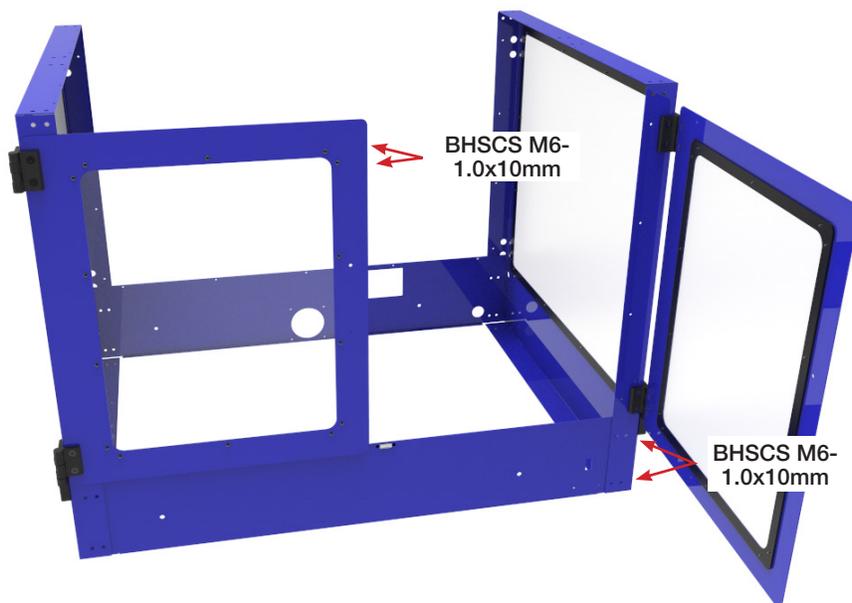
Lift the ShopBot Desktop tool to set the back feet on top of the Back Bottom Support flange. Attach the Back Bottom Support to the back side of the Left Door Assembly using 4 BHSCS M6-1.0x10mm. Do not tighten the bolts at this time.



Slide the tool over to align the ports in the rear of the tool with the opening in the rear of the enclosure.



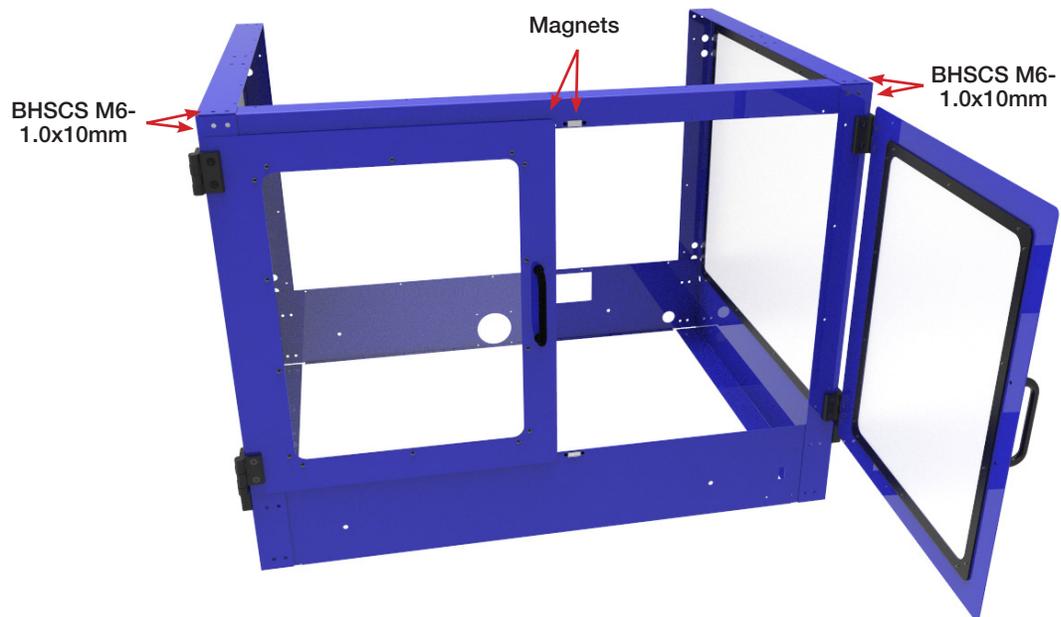
Attach the Right Door Assembly to the lower front and back supports using 8 BHSCS M6-1.0x10mm. Do not tighten the bolts at this time.



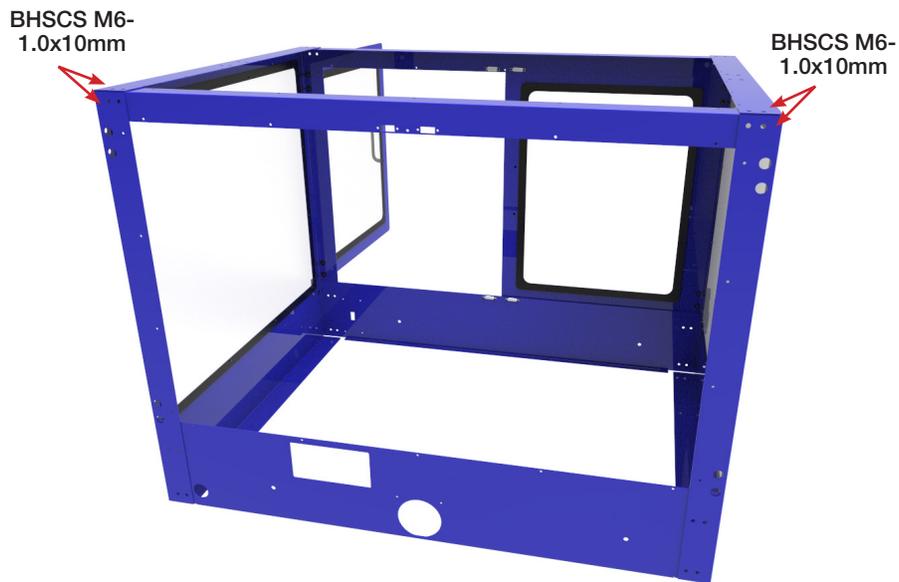
Install handles on each door using BHSCS M5 x 12 screws with 3mm Allen wrench.



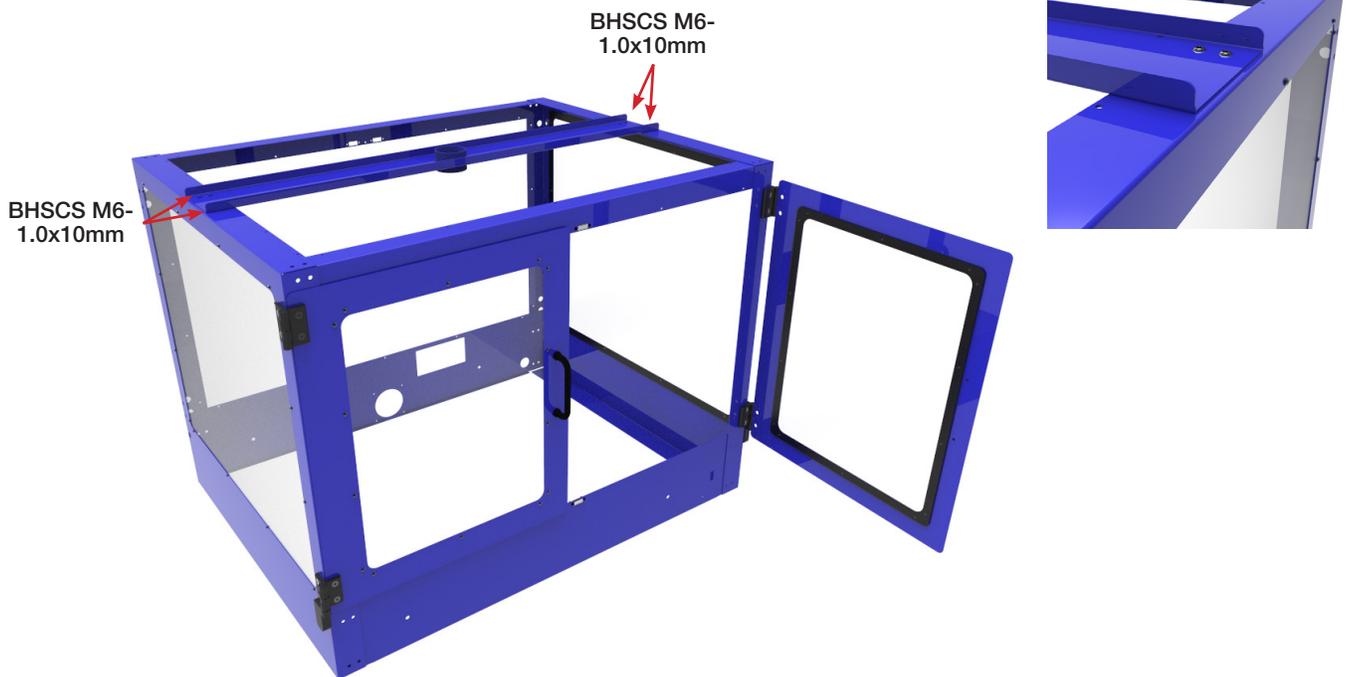
Attach the Top Support (the one with the magnets) to the front of the enclosure using 8 BHSCS M6-1.0x10mm, 4 on each side. Do not tighten the bolts at this time.



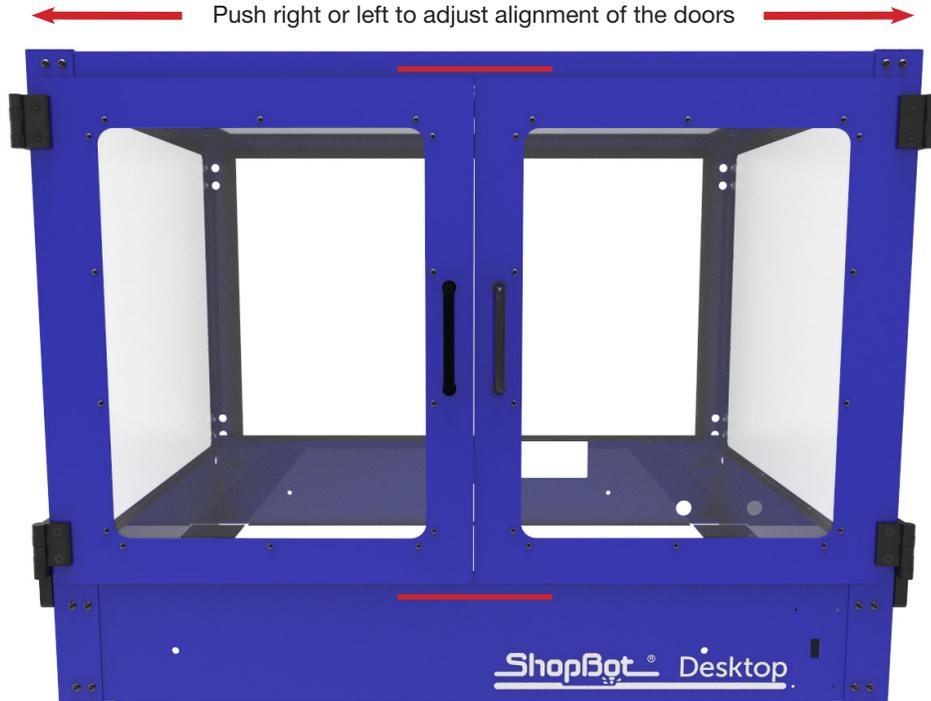
Attach the Rear Top Support (the one without the magnets) to the back of the enclosure using 8 BHSCS M6-1.0x10mm, 4 on each side. Do not tighten the bolts at this time.



Install the Top Center support using 8 BHSCS M6-1.0x10mm, 4 on each side. Do not tighten the bolts at this time.



Close both doors. The alignment of the top and bottom of the two doors may be skewed. Push the top of the enclosure to the right or left to adjust the meeting and alignment of the doors.



When the top and bottom of both doors are in alignment, tighten all BHSCS M6-1.0x10mm. Double-check the door alignment after tightening screws. Adjust frame screws as necessary.

All plastic panels are installed from the inside of the enclosure, with the screws installed from the outside. The rear panel should be installed **first**, followed by the top back and the top front.

Install the plastic panels in the specified order using the thread forming screws 6-19 x 1/2" to attach the plastic panels to the metal frame.

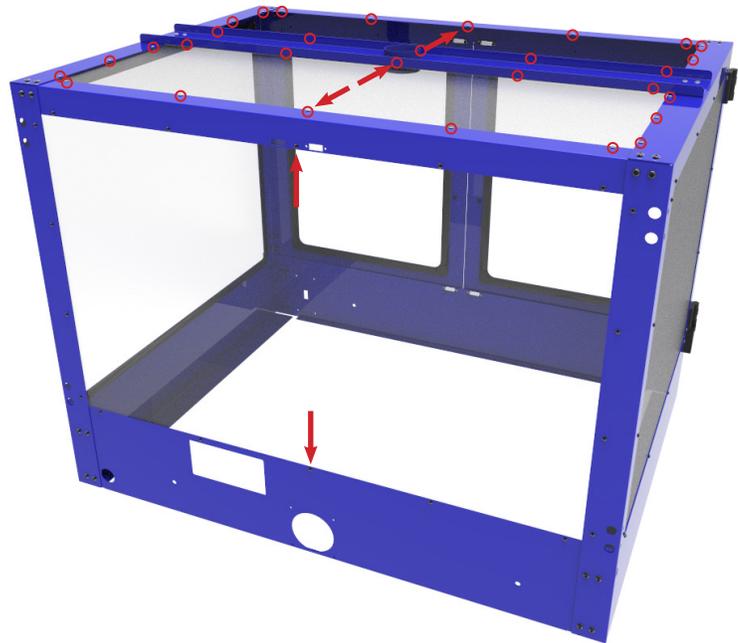
If screw holes do not line up with holes in the frame, re-adjust the frame alignment in previous step.

Install rear panel first, then top back and top front panels.

When installing panels, it is best to start with the screws in the middle (indicated with red arrows). This helps to balance the panel and hold it in place while the remaining screws are installed.

For the rear panel, start with the bottom center screw, then move to the screws across the top.

For the top panel, start with the center screws and then work your way around the perimeter.



Install the included 3' 2.5" diameter vacuum hose from the tool to the inside top flange. The hose sits on top of the plastic dust foot tube and, using the provided clamp connect the hose to the inside top of the enclosure.

Note: It is important to use the 3' 2.5" hose to prevent entanglement as the tool moves. If you have a longer hose currently attached to your Desktop Tool, use that to connect the exterior dust port on your Desktop Full Enclosure to your dust collection system.



Clamp should be used to mount dust hose to top flange.

Clamp should be installed through mounting plate on tool to hold dust hose vertical.

Dust hose sits over the plastic tubing on the dust skirt - no clamp.

Connect the dual hinge interlock cable to both doors by plugging the barrel connectors into the connectors at the base of each door. If one side of the interlock cable is shorter than the other, plug that into the **right-side** hinge.

Pay special attention to the key orientation when mating. Substantial force is required to fully mate the connectors.

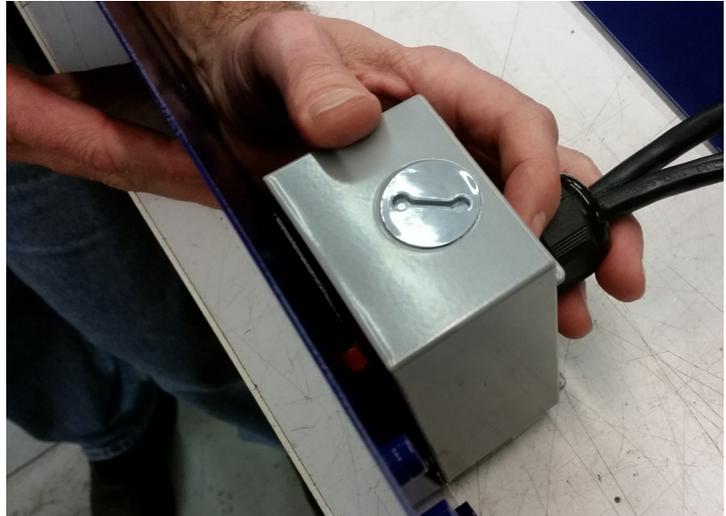


Interlock cable fully mated.

Connect the other end of the dual hinge interlock cable to the enclosure interconnect located beneath the rear of the tool.



Install the switch box in the front bottom support using the four supplied screws. Make sure the switch faces outward and that the box is oriented so that the switch says ON when it is in the UP position.



Install the grommet in the bottom back support by pushing it into the provided hole until it snaps. Once the grommet is installed, pass both power wires from the switch box through the hole so they stick out the back of the enclosure as shown.



Connect one power cable to the power input on the desktop, and plug the other into a standard 110V 15A receptacle.



To confirm proper connection and operation of your enclosure, connect to the ShopBot Desktop with the sb3 software. When either door is open, you will see a yellow indicator that says “DOOR!” in the DRO display.

Troubleshooting

If you do not see the DOOR! indicator in the DRO display, or the tool fails to stop when the enclosure doors are opened, check all connections to ensure that both the enclosure interlock and the hinge connections are fully mated.



Item Number	Quantity	Part Number	Description
1	40	002915	BHSCS M6-1.0x10mm
2	16	005248	FHSCS M6 x 14
3	4	003372	BHSCS M5-1.0 X 12mm
4	111	003947	Screw Thread Forming 6-19 x 1/4"
5	8	003560	M3 x 0.5 Nylock Nut
6	8	003559	BCHS M3 10 x 0.5
7	2	005416	Plastic Side Enclosure Full DT3
8	1	005400	Hinge SafetyLeft
9	2	005402	Hinges
10	1	005401	Hinge Safety Right
11	2	005407	Side Steel Enclosure DT3
12	2	005406	Door Steel Enclosure DT3
13	2	005415	Plastic Door Enclosure Full DT3
14	1	005408	Support Front Bottom Steel Enclosure
15	4	005403	Magnet Catch
16	2	005418	Plastic Top Enclosure Full DT3
17	1	005417	Plastic Back Enclosure Full DT3
18	1	004512	Support Top Middle Steel Enclosure
19	2	005399	Handle
20	1	005409	Support Back Bottom Steel Enclosure
21	2	005410	Support Top Steel Enclosure
22	1		

