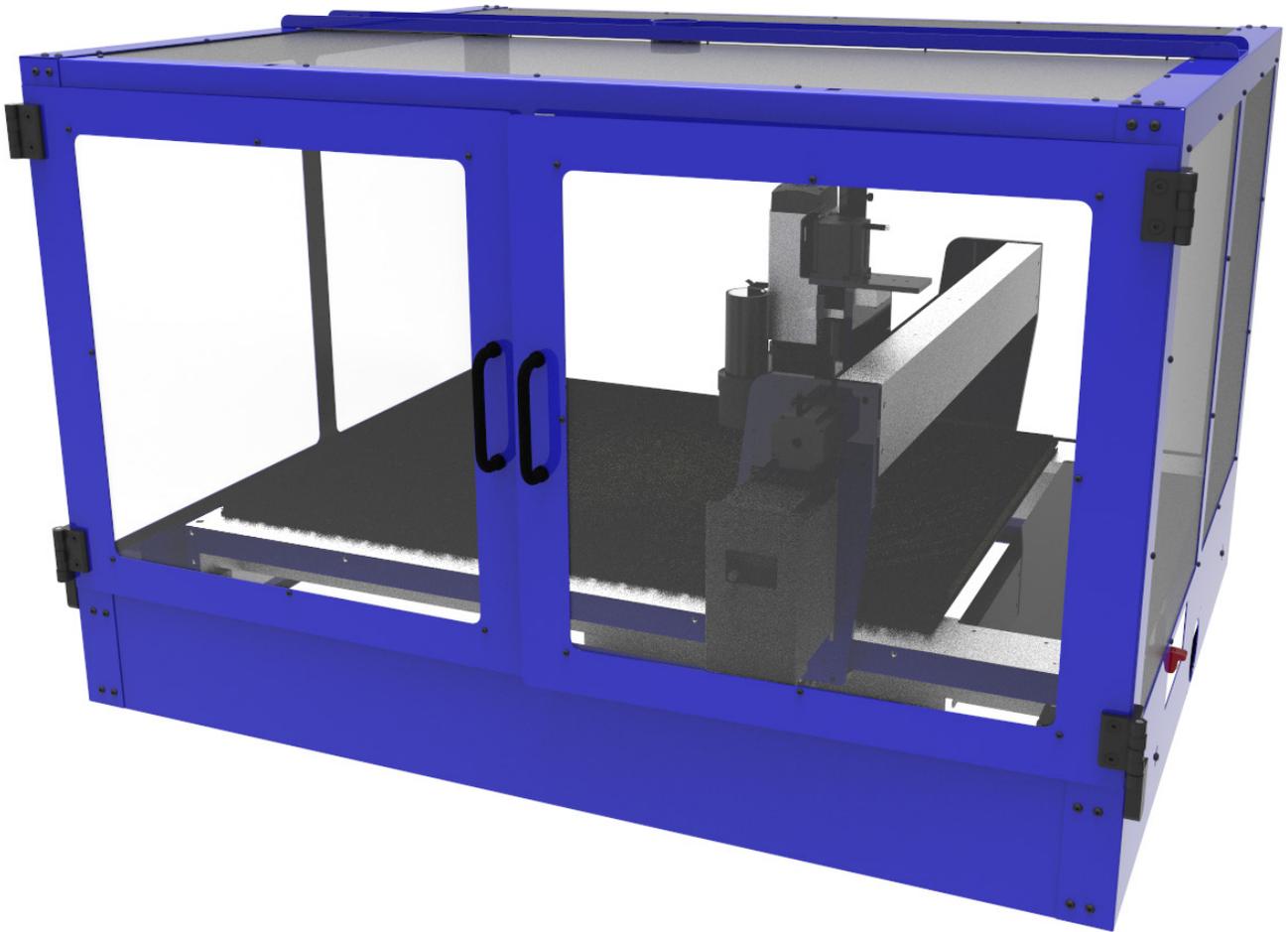




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# Desktop MAX Full Enclosure Assembly



## Tools Required

- Screwdriver, Phillips
- Screwdriver, Flat
- Tape Measure
- 3/8" Open End Wrench

## Parts List



Allen Wrenches, 4mm & 3mm



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



Thread Forming Screw  
6-19 x 1/4"  
Quantity: 50  
(extras included)



BHSCS M5 x 12  
Quantity: 4



Mounting Bracket  
Quantity: 4



Handle  
Quantity: 2



HCS 3/8" 16x1 &  
Washer 3/8"  
Quantity: 4 each



Cable Harness



4' 2.5" Dust Hoses with 2 clamps

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

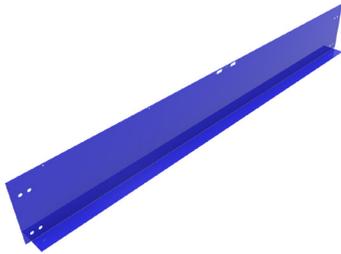
### Parts List (continued)



Left Door Assembly



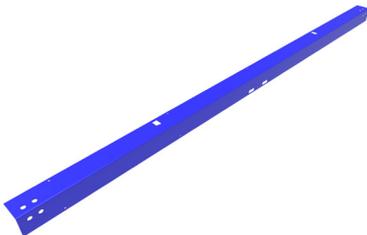
Right Door Assembly



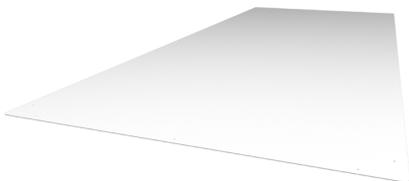
Bottom Support  
1 with magnets  
1 without magnets



Top Center Support



Top Support  
1 with magnets  
1 without magnets



Plastic Top Enclosure  
Quantity: 2



Plastic Back Enclosure  
Full DT2

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

## Getting Started

**The Desktop MAX Full Enclosure must be assembled around the ShopBot Desktop MAX Tool.**

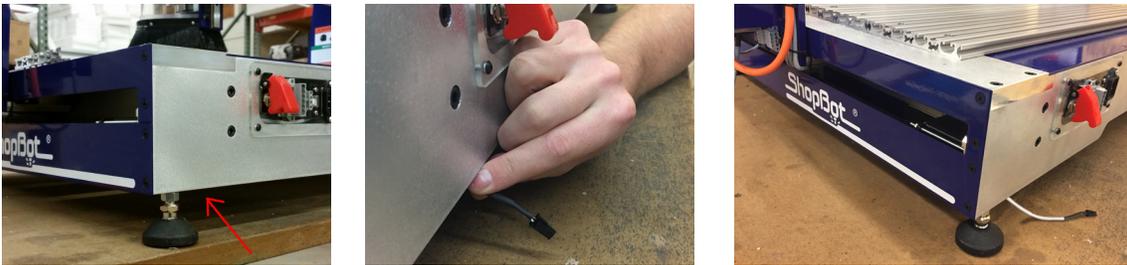
Before assembly, confirm that the enclosure sits inside the edges of your desk or work surface. Plan for the assembly location to be where your tool will be located for use.

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.

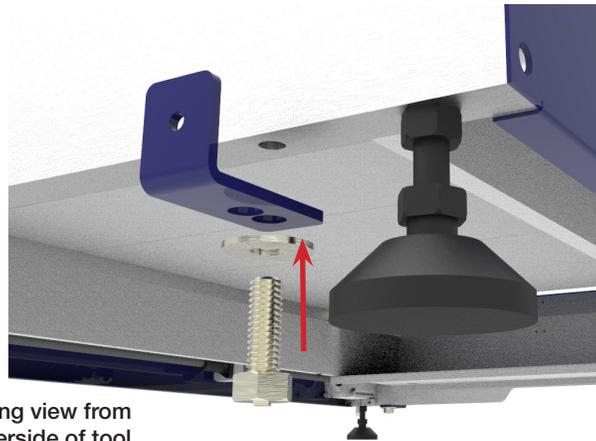
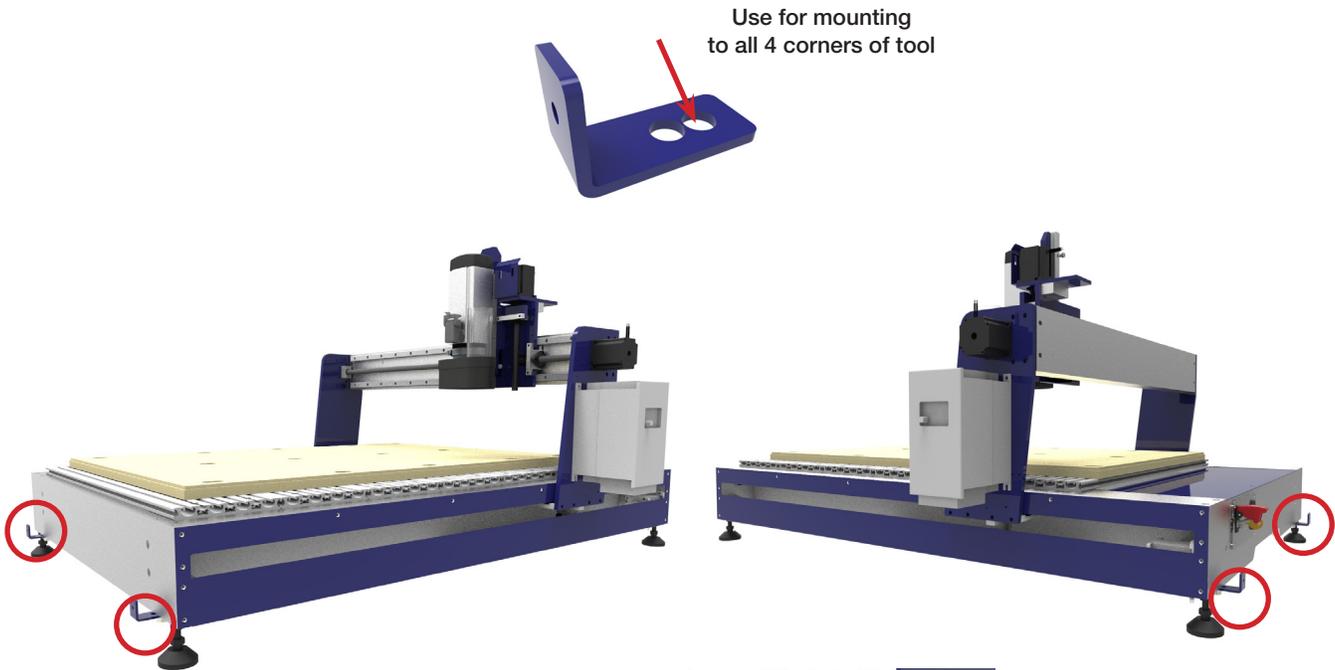
Two people are recommended for assembly.



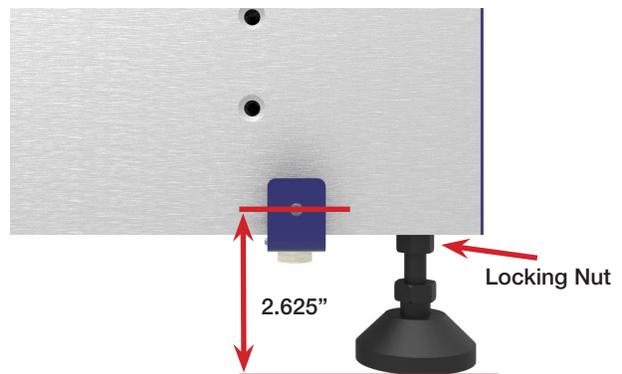
Locate the interlock connector on the right side of the tool. It will be under the tool near the red power switch. Leave it attached, but extend it so that it is laying to the side of the tool for accessibility during assembly.

### Install Front and Rear Brackets to the ShopBot Desktop MAX

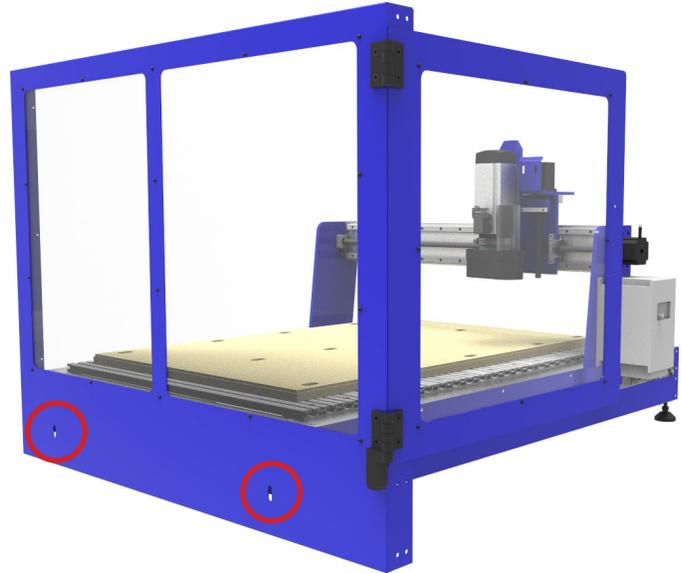
Install front and rear brackets using 3/8" hex head bolts. Use the hole farther from the bend to mount on the tool on all four corners. Align the brackets to be perpendicular to the front and rear.



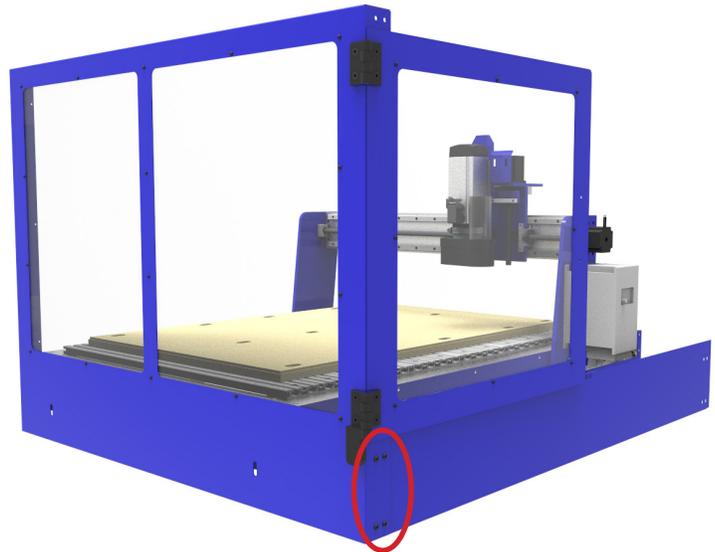
After brackets are tightened adjust the leg levelers of the Desktop MAX to have a dimension of 2.625 from the surface the Desktop MAX is sitting on to the center of the hole in the bracket. Loosen locking nut before adjusting. NOTE: remember to retighten locking nut when finished



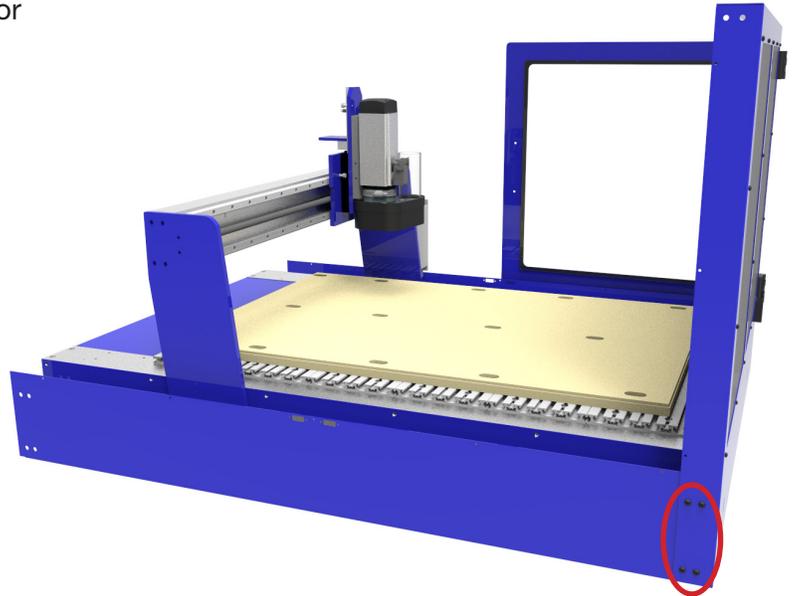
Attach the left side door assembly to the installed brackets using 2 BHSCS M5-1.0x12mm



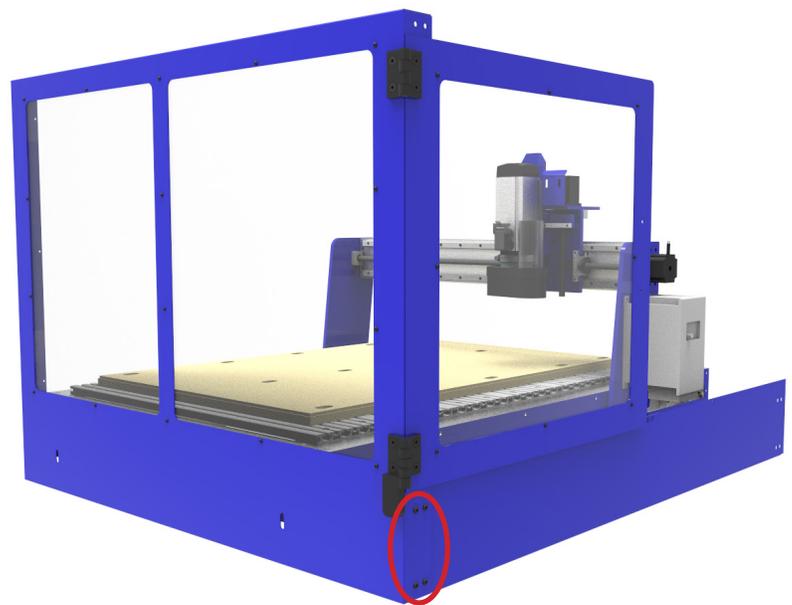
Install the lower front panel using 4 BHSCS M6-1.0x10mm to attach to the left side door assembly. Do not tighten bolts at this time.



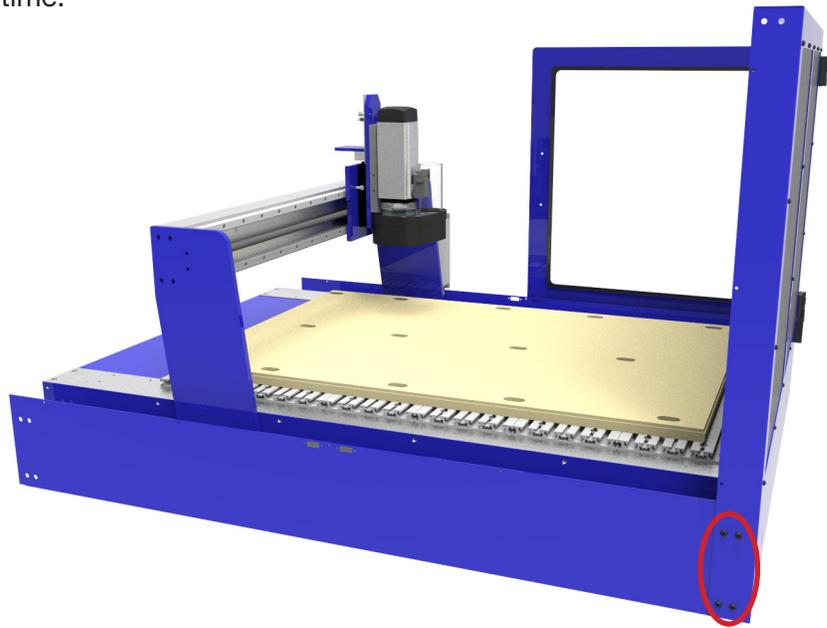
Install the lower back panel using 4 BHSCS M6-1.0x10mm to attach to the left side door assembly. Do not tighten bolts at this time.



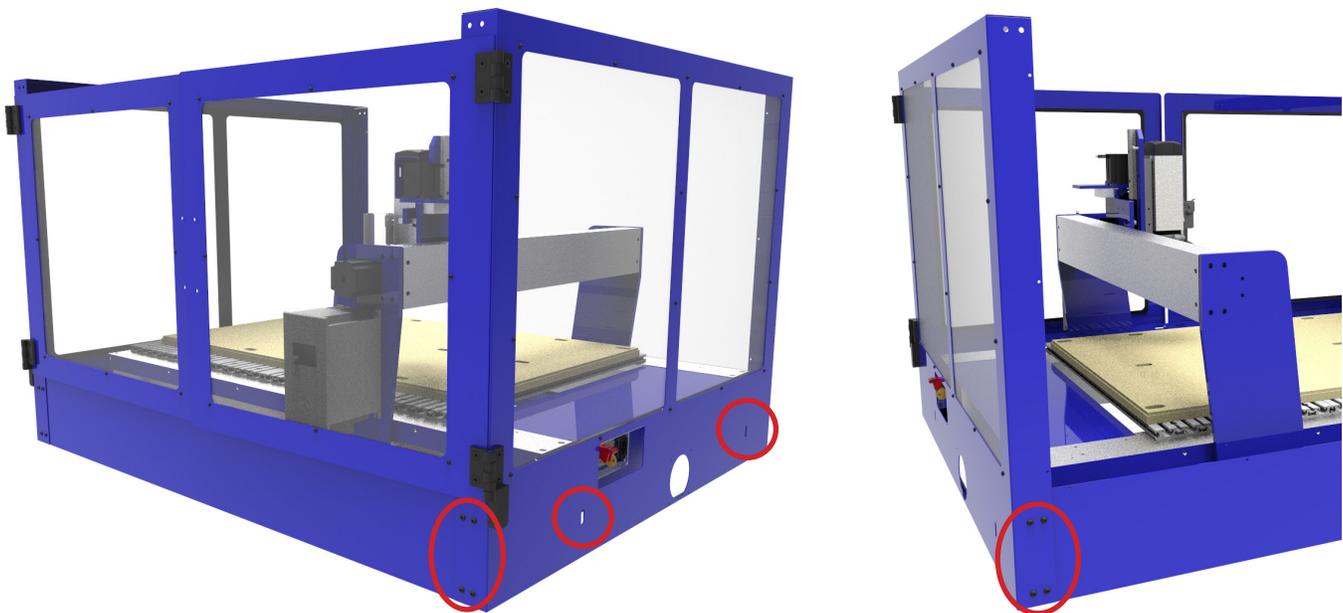
Install the lower front panel using 4 BHSCS M6-1.0x10mm to attach to the left side door assembly. Do not tighten bolts at this time.



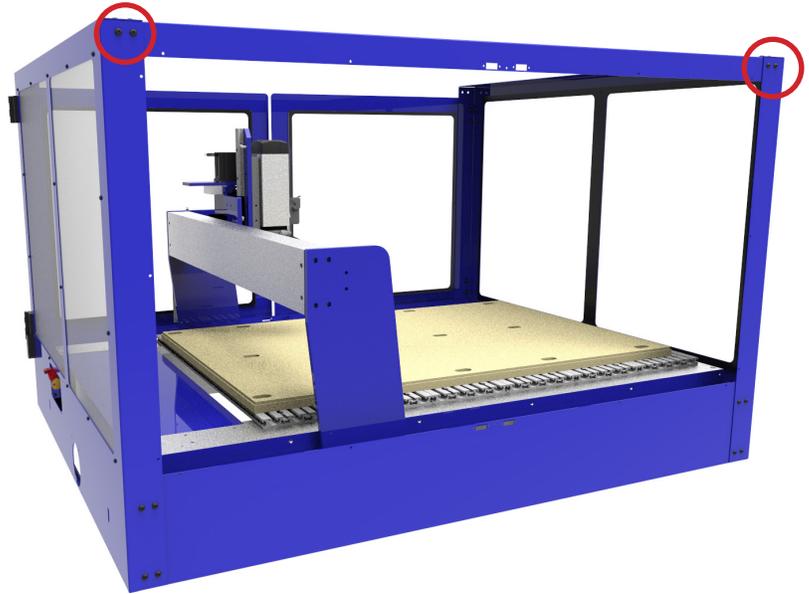
Install the lower back panel using 4 BHSCS M6-1.0x10mm to attach to the left side door assembly. Do not tighten bolts at this time.



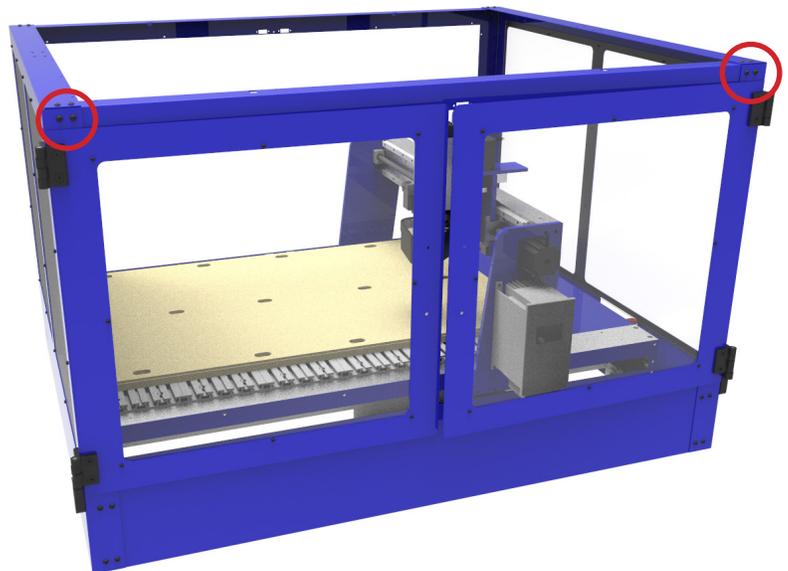
Attach the right side door assembly to the installed brackets using 2 BHSCS M6-1.0x10mm, and to the front and rear panels with 4 BHSCS M6-1.0x10mm, respectively. Do not tighten bolts at this time.



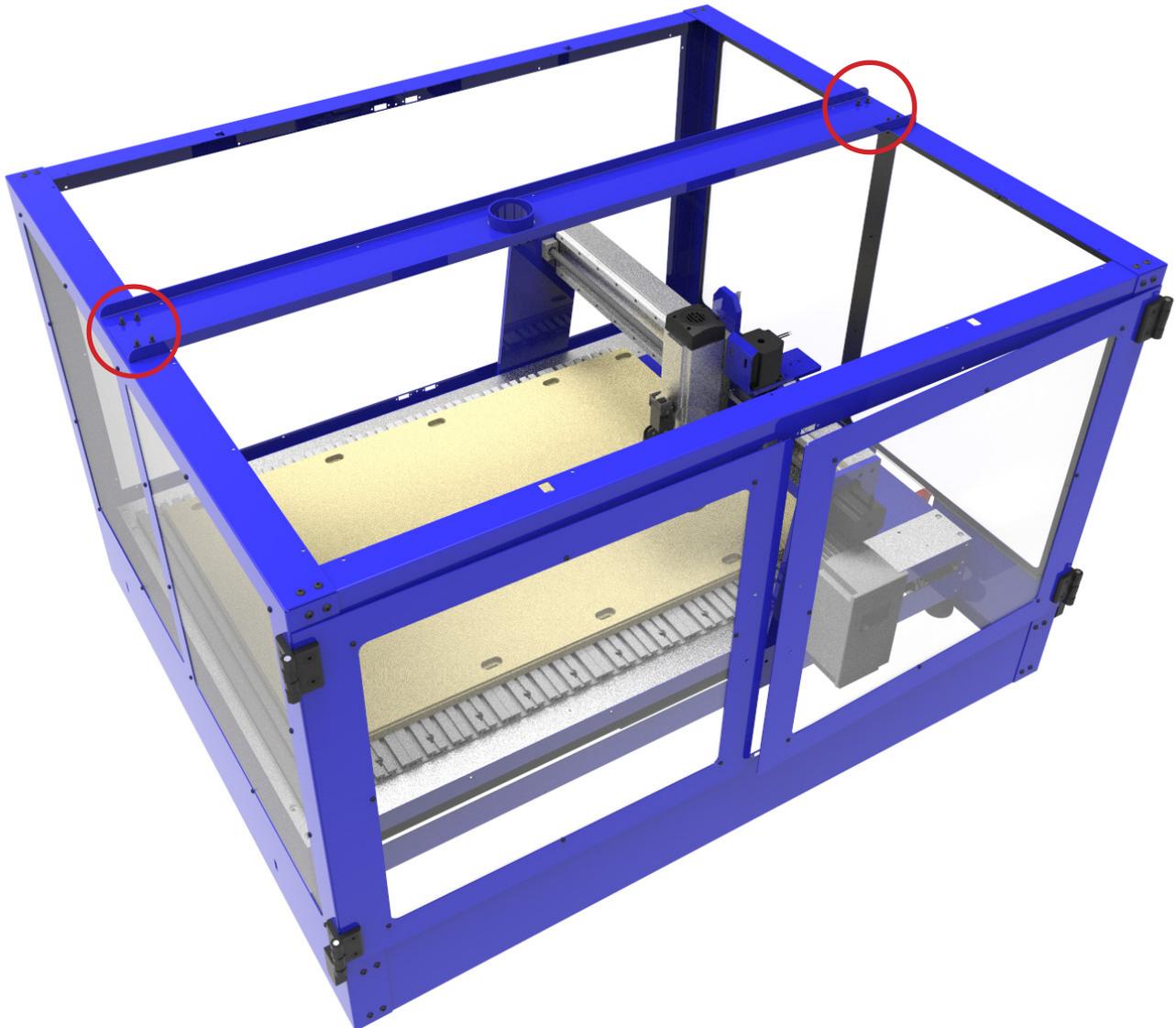
Attach the back top support using 8 BHSCS M6-1.0x10mm 4 on each side. Do not tighten bolts at this time.



Attach the front top support using 8 BHSCS M6-1.0x10mm 4 on each side. Do not tighten bolts at this time.

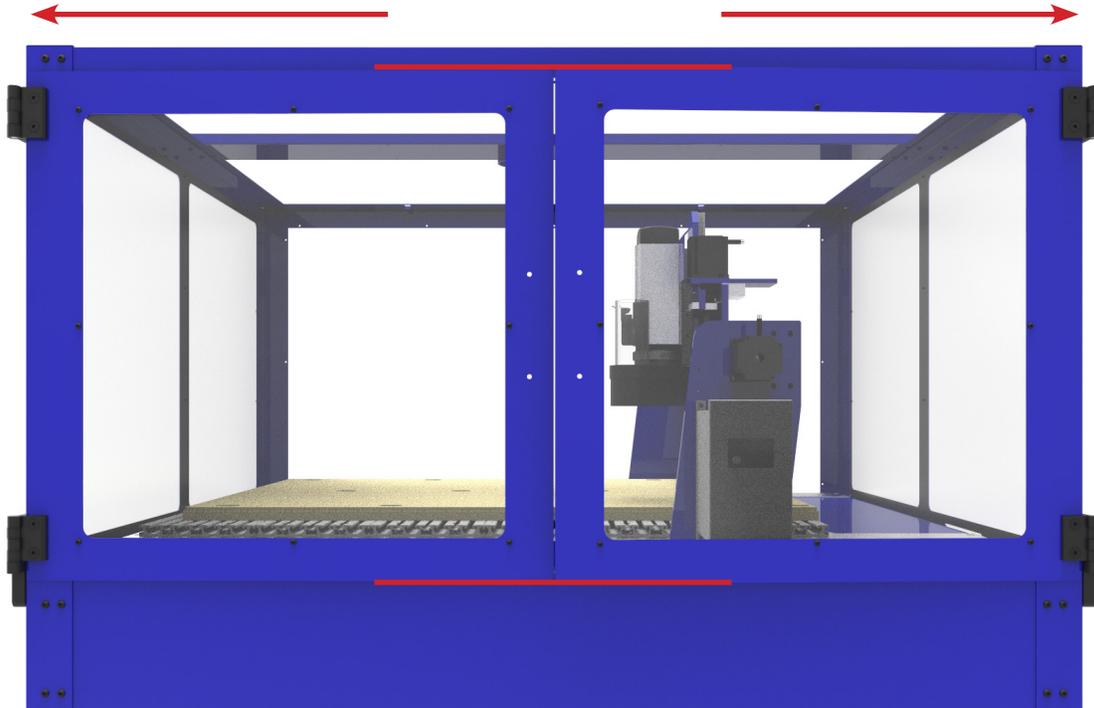


Lay the center top support across the top of the right and left sides. The dust port is located off-center to the left side. The hole pattern will only allow it to be installed in one direction. Use 8 BHSCS M6-1.0x10mm 4 on each side. Do not tighten bolts at this time.



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.



Install handles on each door using BHSCS M5x12 screws with a 3mm allen wrench.



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.

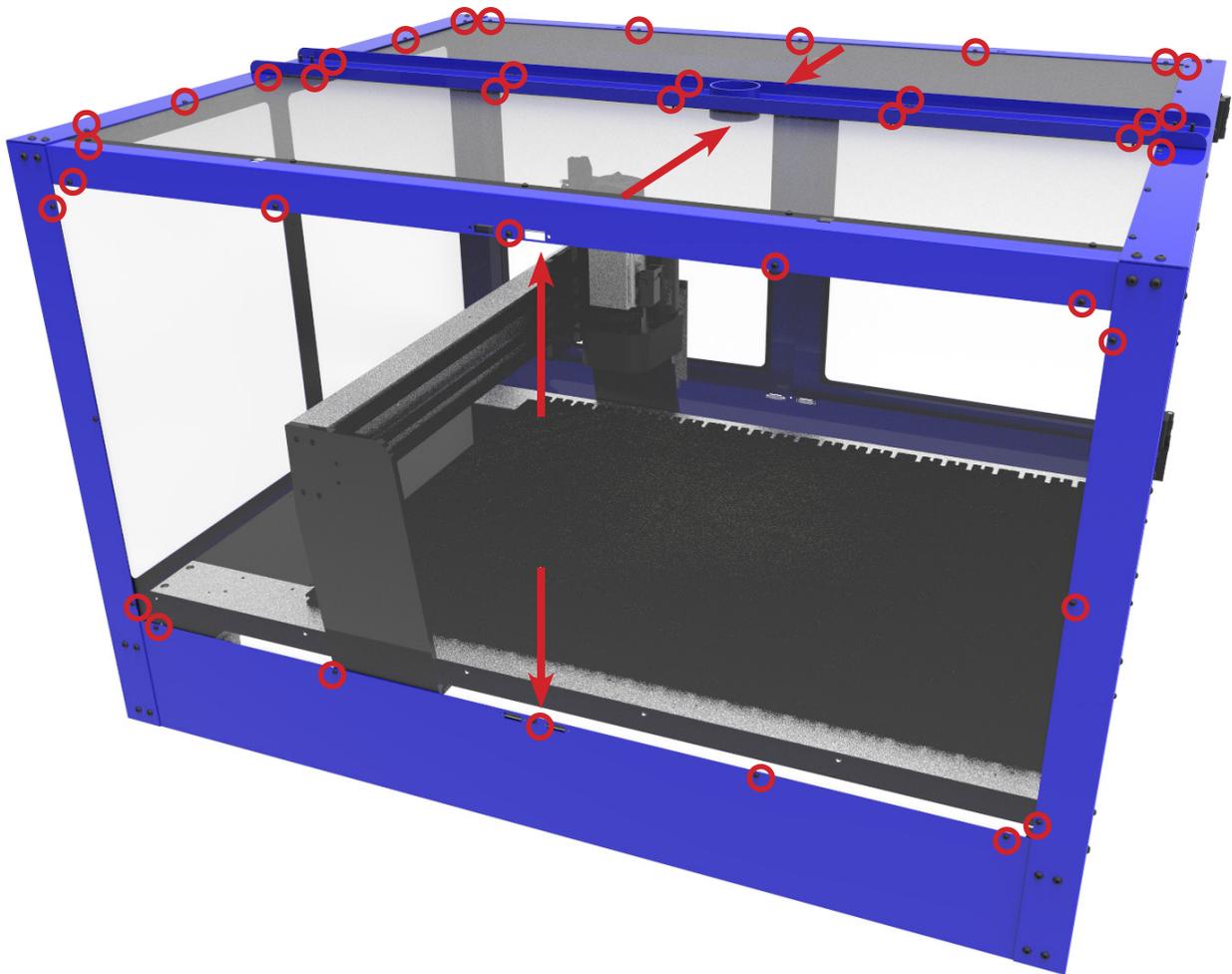
Install the plastic panels in the specified order using the thread forming screws 6-19 x 1/4" to attach the plastic panels to the metal frame.

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 4' 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 4' 2.5" hose to prevent entanglement as the tool moves. If you have a longer hose currently attached to your Desktop MAX tool, use that to connect the exterior dust port on your Desktop MAX 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.



To confirm proper connection and operation of your enclosure, connect to the ShopBot Desktop MAX 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	1	005388	ENCLOSURE FULL LEFT SIDE DT2
2	1	005392	ENCLOSURE FULL RIGHT SIDE DT2
3	1	005404	ENCLOSURE FULL TOP SUPPORT MID DT2
4	2	005391	ENCLOSURE FULL FRONT DT2
5	2	005387	ENCLOSURE FULL DOOR DT2
6	2	005393	Enclosure Full Top Rail DT2
7	2	005394	Door Plastic
8	1	005395	Top Front Plastic
9	1	005396	Top Rear Plastic
10	1	005397	Rear Plastic
11	2	005398	Side Plastic
12	1	005400	Hinge SafetyLeft
13	1	005401	Hinge Safety Right
14	2	005402	Hinges
15	4	005447	Bracket Front/ back Mount
16	4	005403	Magnet Catch
17	2	005399	Handle
18	44	003372	BHSCS M5-1.0 X 12mm
19	96	003947	Screw Thread Forming 6-19 x 1/4"
20	16	005248	FHSCS M6 x 14
21	4	000533	HCS 3/8-16x1 Z5
22	4	000444	Washer Flat 3/8 USS Z

