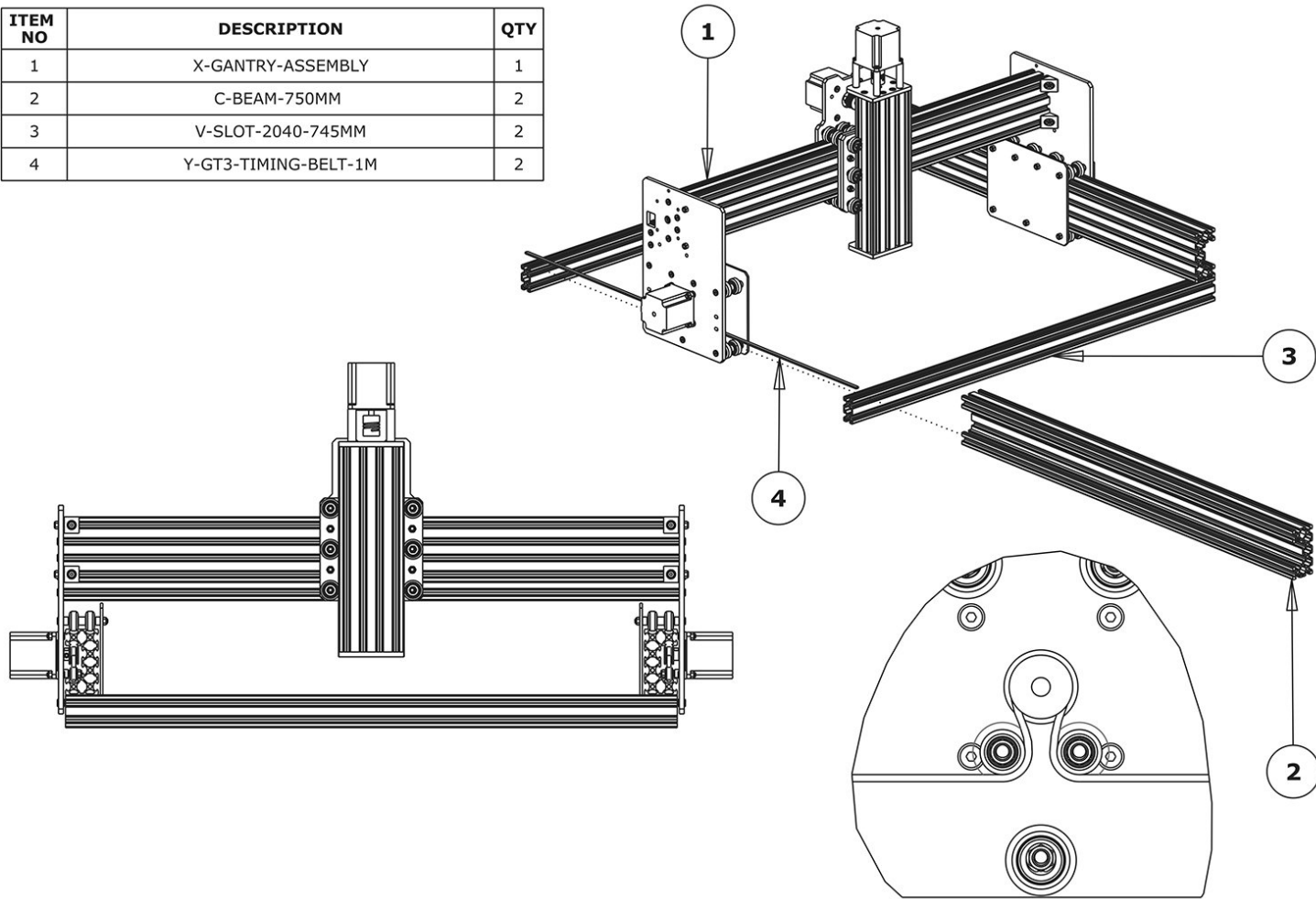




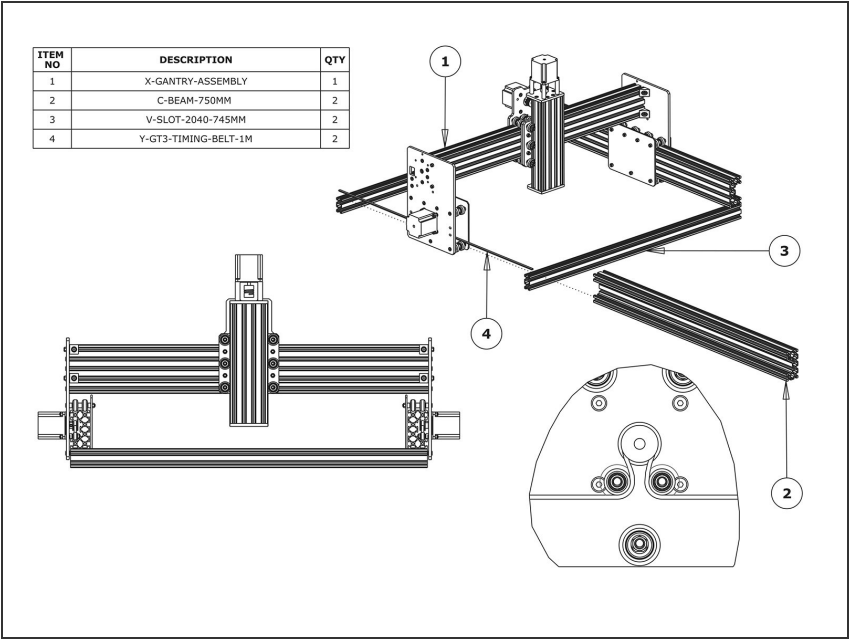
5. Base Assembly

Written By: Harry Ince

ITEM NO	DESCRIPTION	QTY
1	X-GANTRY-ASSEMBLY	1
2	C-BEAM-750MM	2
3	V-SLOT-2040-745MM	2
4	Y-GT3-TIMING-BELT-1M	2

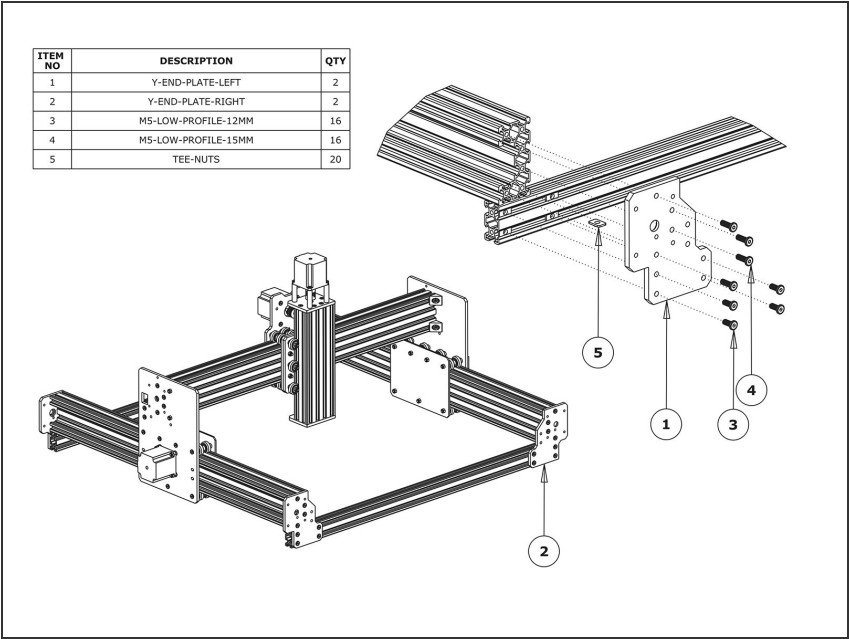


Step 1 — Y Extrusions



- For the Y-Plate Left-Assembly feed a Y-GT3-Timing-Belt-1m around the GT3-Pulley, and under the Mini-V-Wheel Assemblies as seen in the bottom right image above. The teeth of the Y-GT3-Timing Belt-1m should be engaged with the tee on the GT3-Pulley.
- Repeat for the Y-Plate-Right-Assembly.
- Position the belt so there is roughly equal lengths each side of the Mini-V-Wheel-Assemblies.
- Slide a C-Beam-750mm through each set of wheels on the X-Gantry-Assembly. The belt in previously inserted should be fed through the 'C' channel of the C-Beam-750mm.
- Rest the ends of the C-Beam-750mm on 2 x V-Slot-2040-745mm's. The ends of the extrusions should be flush with the sides of each other.

Step 2 — End Plates



- Insert a Tee-Nut into the upward facing slot inside the ‘C’ Channel of the C-Beam 750mm.
- Slide the X-Gantry-Assembly to the front, and attach a Y-End-Plate-Left to the front left corner, first using 4 x M5-Low-Profile-15mms, which screw into the tapped holes on the C-Beam-750mm.
- Insert 2 x Tee-Nuts into the front facing top and bottom slots of the V-Slot-2040- 745mm. Adjust the Tee-Nuts so they line up with the holes on the Y-End-Plate-Left.
- Secure the Y-End-Plate-Left to the V-Slot-2040-745mm using 4 x M5-Low-Profile- 12mms. Ensure the end of the V-Slot-2040-745mm is flush with the side of the C Beam-750mm.
- Square the base, and repeat for the Y-End-Plate-Right on the opposite end of the front V-Slot-2040-745mm. If possible, get a second person to hold the base square while tightening the bolts.
- Slide the X-Gantry-Assembly to the back. Square the base, and repeat all the above for the back V-Slot-2040-745mm.

Thanks for following the guide. Any issues, please contact us!