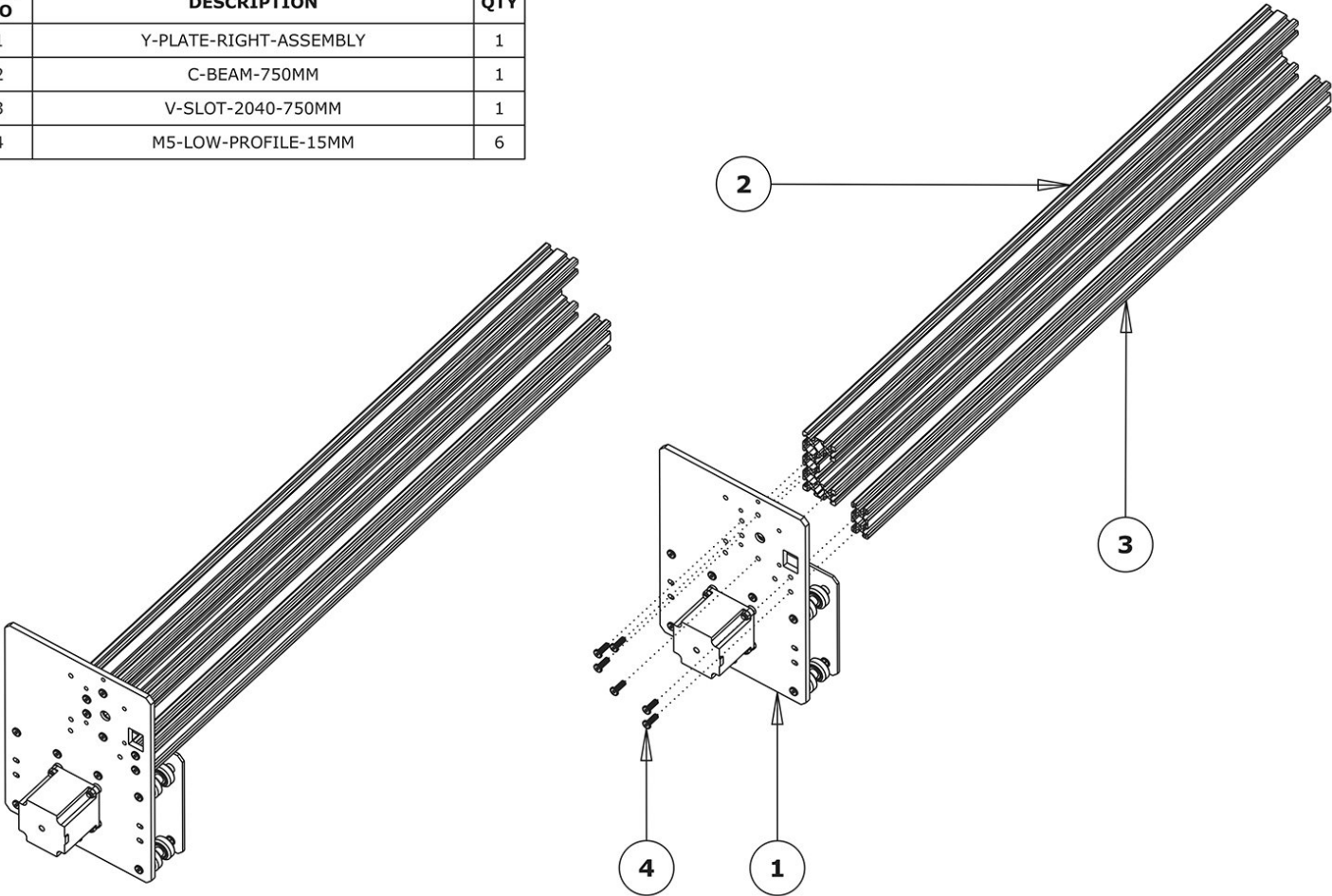




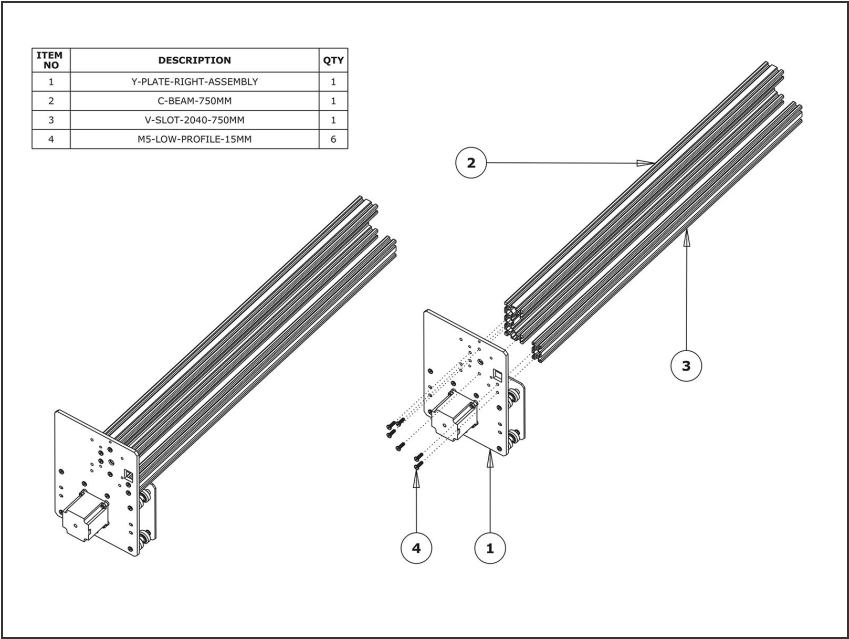
# 4. X-Gantry Assembly

Written By: Harry Ince

ITEM NO	DESCRIPTION	QTY
1	Y-PLATE-RIGHT-ASSEMBLY	1
2	C-BEAM-750MM	1
3	V-SLOT-2040-750MM	1
4	M5-LOW-PROFILE-15MM	6

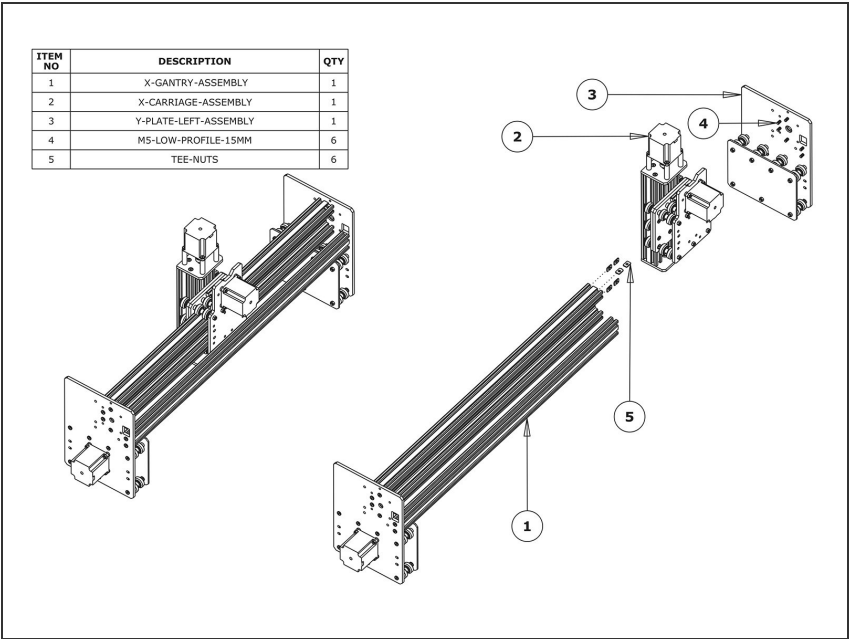


Step 1 — Extrusions



- Attach the V-Slot-2040-750mm to the back two holes on the Y-Plate-Right-Assembly using 2 x M5-Low-Profile-15mm bolts.
- Attach the C-Beam-750mm to the four non-threaded holes on the Y-Plate-Right Assembly shown above using 4 x M5-Low-Profile-15mm bolts.

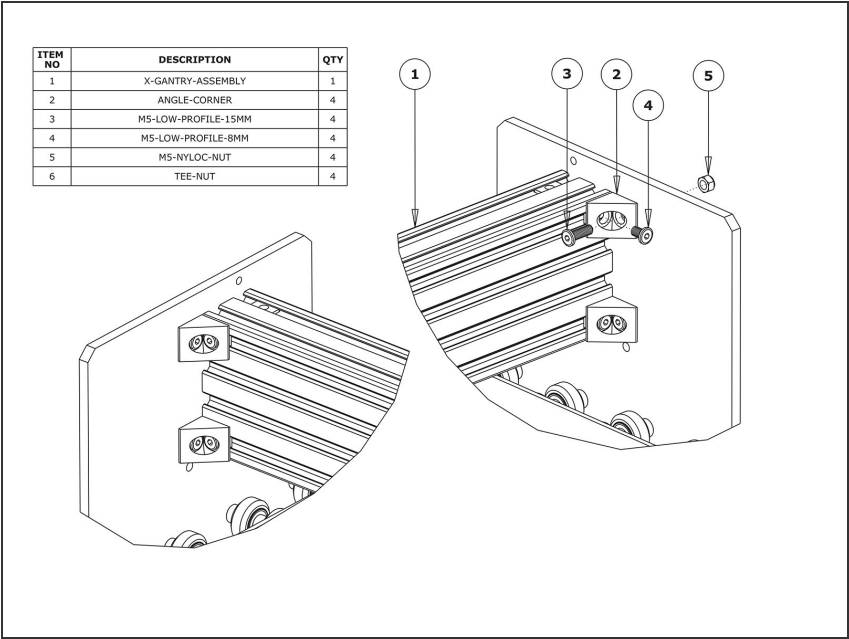
Step 2 — X-Carriage & Y-Plate-Left Assembly



- Before the Y-Plate-Left-Assembly can be attached, Tee-Nuts need to be inserted.  
**⚠ The Tee-Nuts should be inserted so that the flat face is facing outwards.**
- Insert 2 x Tee Nuts in to the front facing top slot, 2 x Tee-Nuts in to the front facing bottom slot and 2 x Tee-Nuts in to the top facing back slot on the C-Beam-750mm.
- Slide the X-Carriage-Assembly onto the C-Beam-750mm in the orientation seen above.

- Repeat Step 1 for the Y-Plate-Left-Assembly, but do not loosen the M5-Low- Profile-15mm bolts this time.
- Place the X-Gantry-Assembly on a flat table, and check that it is flat and square. If it isn't, loosen the M5-Low-Profile-15mm bolts and re-adjust.
- ⚠ Recheck the bottom Eccentric-Spacer-6mms on the X-Carriage-Assembly to make sure they are touching the rail, there is no wobble, and that the X-Carriage-Assembly runs smoothly along the whole length of the C-Beam-750mm.

Step 3 — Angle Corners



- Attach an Angle-Corner to the Y-Plate-Right-Assembly & the front facing top slot of the C-Beam-750mm. A M5-Low-Profile-8mm screws into the Tee-Nut previously inserted, and a M5-Low-Profile-15mm goes though the Angle-Corner and attaches to a M5-Nyloc-Nut on the outside of the Y-Plate-Right-Assembly.

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- Repeat this for the other 3 Angle-Corners in the positions shown above.
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Thanks for following the guide. Any issues, please contact us!