



01 | XY Frame Assembly

Written By: Murathan Araz





TOOLS:

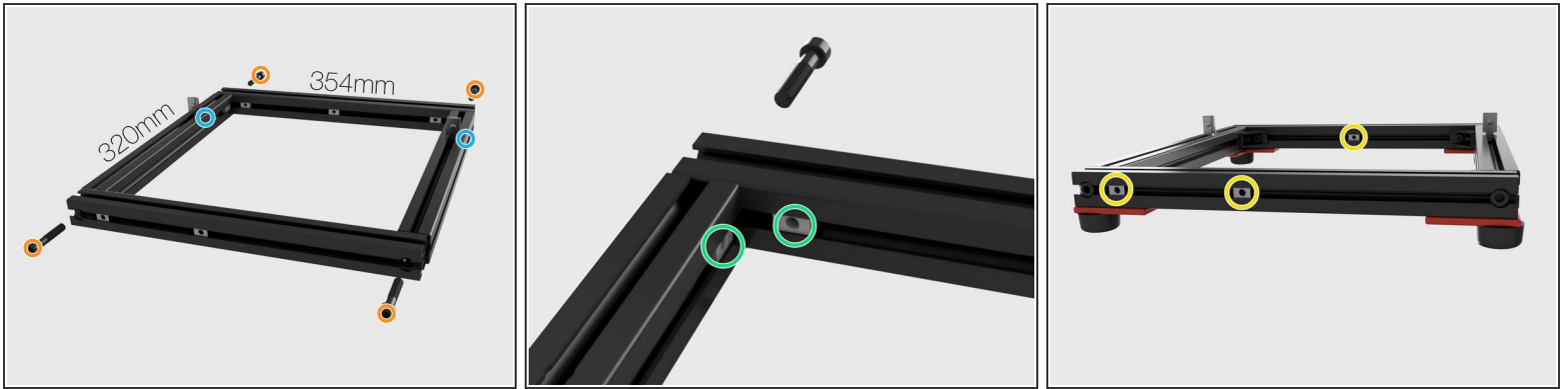
- [6 mm Hex Key](#) (1)
- [5mm Hex Key](#) (1)



PARTS:

- [3030 Aluminium Extrusion - 354mm](#) (2)
Misumi
Precision cut, high quality aluminium extrusions by Misumi
- [3030 Aluminium Extrusion -320mm](#) (2)
Misumi
Precision cut, high quality aluminium extrusions by Misumi
- [Misumi T-Nut](#) (15)
HNTTSN6-6
- [M8 x 40](#) (4)
Black Socket Head
- [Misumi Rubber Feet](#) (4)
- [Misumi L Brackets](#) (4)
Black
- [M6 x 12](#) (8)
Socket Head
High quality socket cap screws
- [M6 x 20](#) (4)
Socket Head
High quality socket cap screws
- [Printed L Brackets](#) (4)
- [Blind L Brackets](#) (4)
- [3030 Misumi Extrusion Edge Cover](#) (4)

Step 1 — 01 | XY Frame Assembly



- [M8 x 40](#) screw for each corner. Insert T Nuts before M8 screws and do not tighten them now. Just to keep the frame in shape.
- Blind L metal brackets for Z axis assembly should be inserted before M8 screws as well.
 There are M8 holes for Z axis assembly on the 320mm aluminium extrusions which should be at the back of the XY Frame. Larger hole should be faced to bottom.
- Insert two [T-nuts](#) for every corner in order to fasten the L brackets on the next step.
- Do not forget to insert [T Nuts](#) for Y motor holder in back and LCD mount in front.

Step 2



- One Metal L Brackets for each corner.
- Two [M6x12](#) socket cap screws for each metal L brackets.
- ⚠ Please align the extrusions on a flat surface like glass or marble and then tighten the M8 screws on the corners and the inside L brackets.
- [T-Nut](#) insert for each bottom corner.
- Printed [Zaribo L brackets](#).
- [Misumi rubber foot](#) for each corner.
- [M6x20](#) socket cap screw.
- Misumi 3030 aluminium extrusion edge cover.

To reassemble your device, follow these instructions in reverse order.