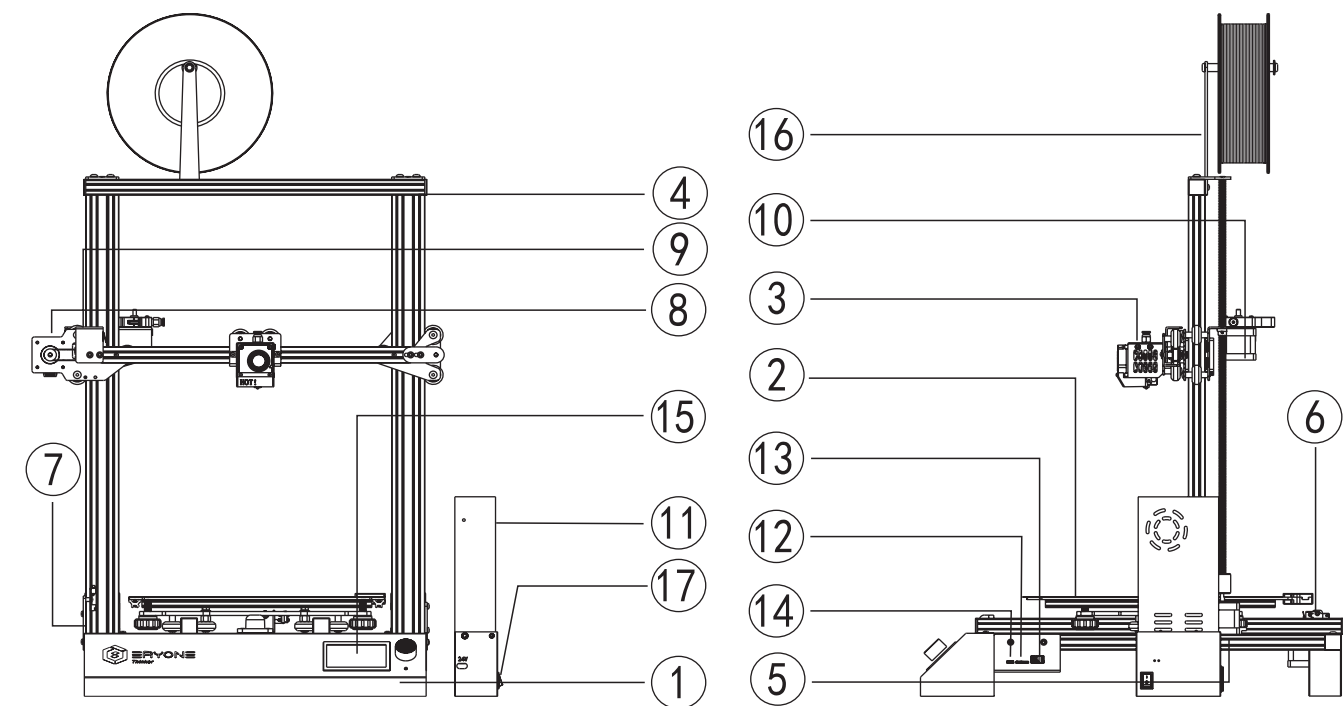



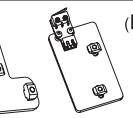
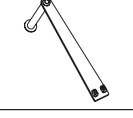
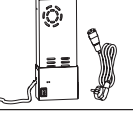
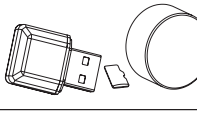
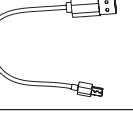



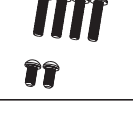


Instruction



- | | | |
|---------------------|----------------------------|----------------------------|
| 1. Base frame | 7.Z axis limit switch | 13. Power supply unit port |
| 2. Printing surface | 8.X stepper motor | 14. Micro USB port |
| 3. Extruder | 9. X axis limit switch | 15. LCD display |
| 4. Gantry frame | 10. Extruder stepper motor | 16. Filament holder |
| 5. Z stepper motor | 11. Power supply unit | 17. Power switch |
| 6. Y stepper motor | 12. Micro SD card slot | |

Preparation

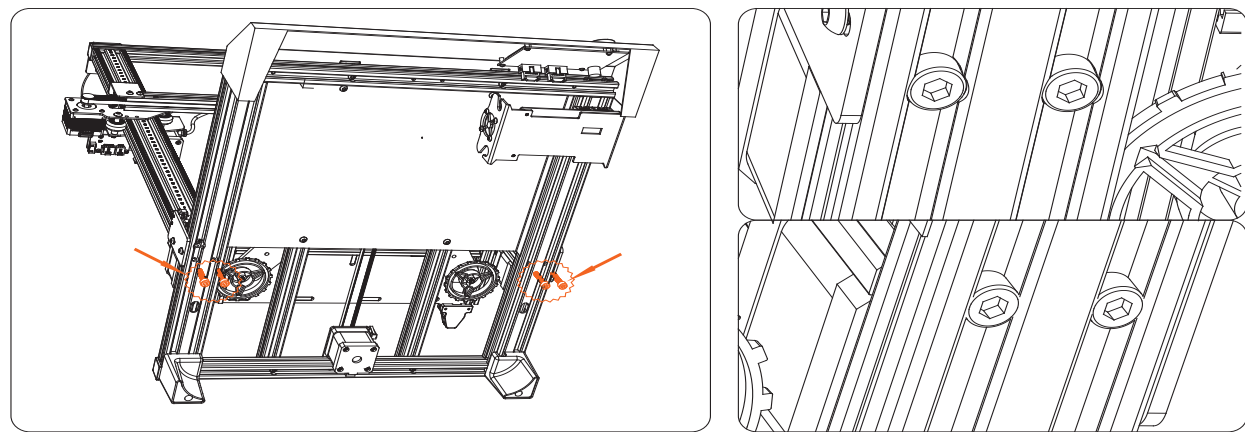
			
1. Base Frame with extruder	2. Gantry Frame	3. Insall Screw	4. Bracket kit
			
5. Filament Holder	6. PSU	7. SD Card+Knob	8. USB Cable
			
9. Filament PLA 6m Random Color	10. Tool Kit	11. Extra gift	12. Spare screws

Assembly

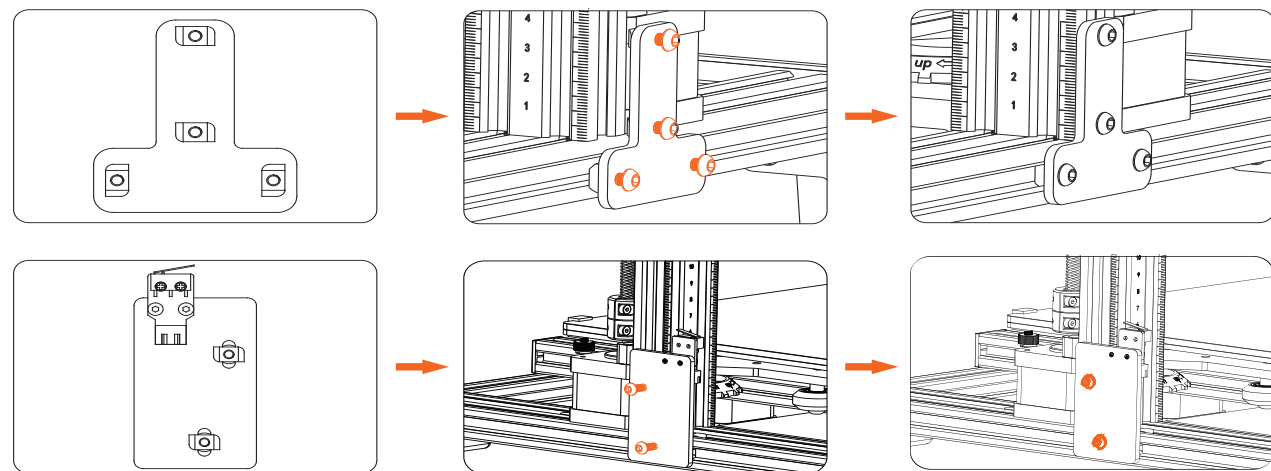
You can find the assembly video of Eryone Thinker SE from here:
<https://www.youtube.com/c/Eryone3D>

Step 1: Assemble the Gantry Frame

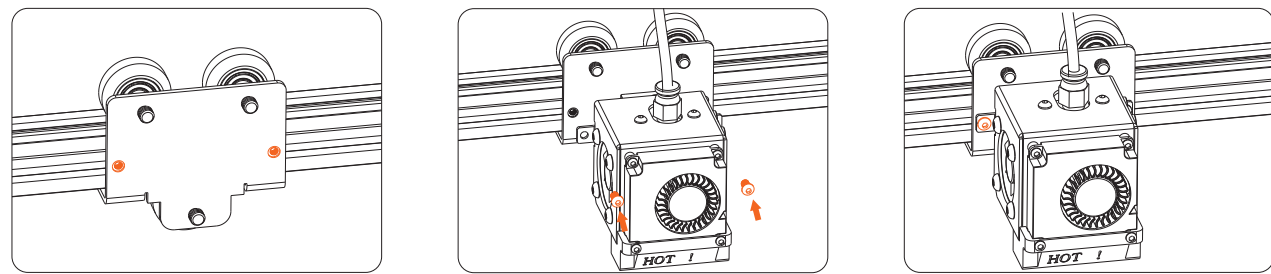
1. Screw in 2 x M5*35 bolts and tighten



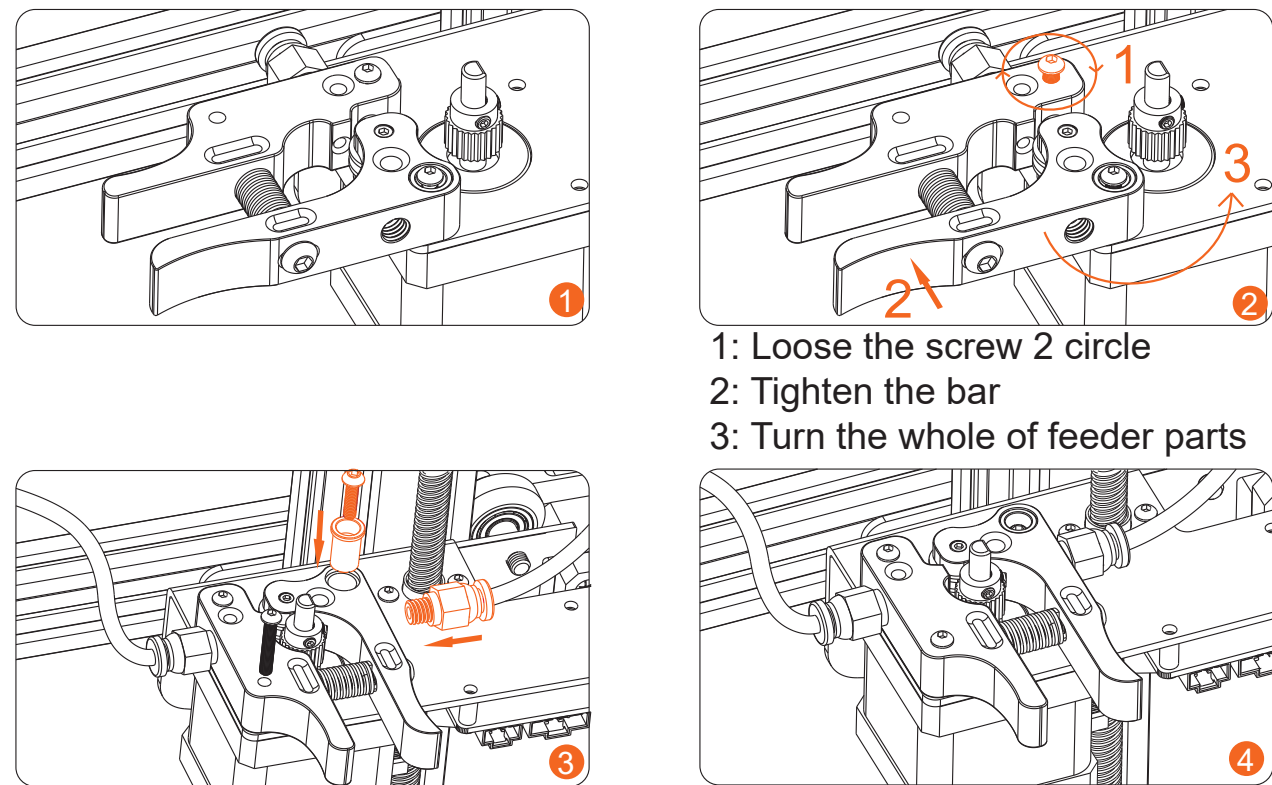
2. Assemble right bracket, insert those 4 T-nuts into V-slot, tighten them



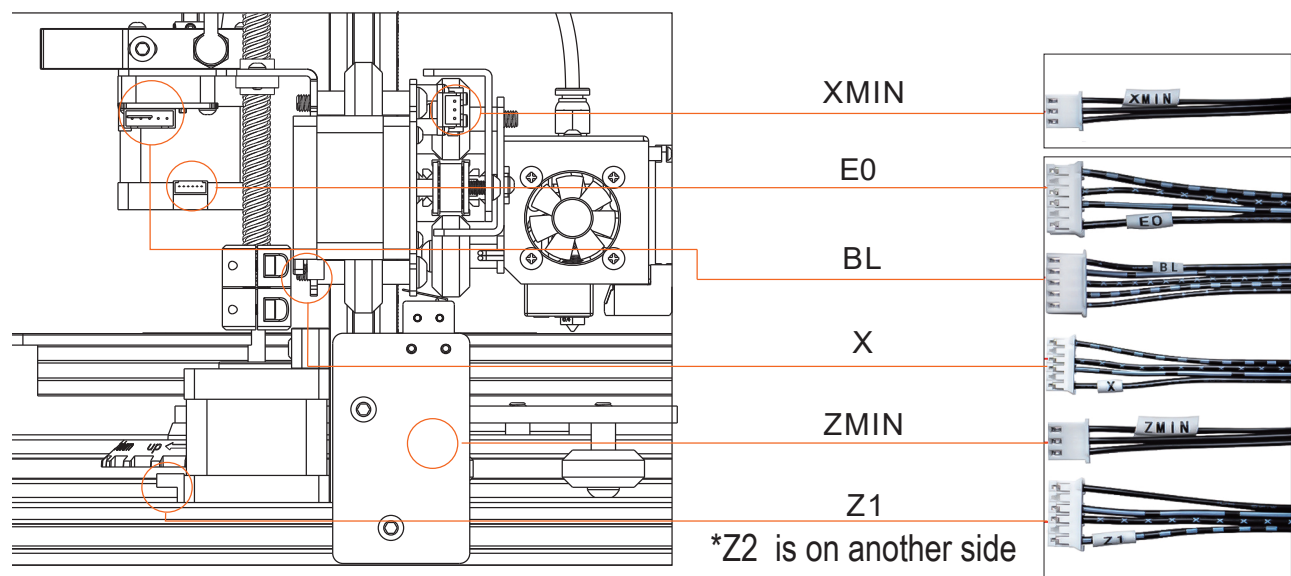
3. Assemble the hotend



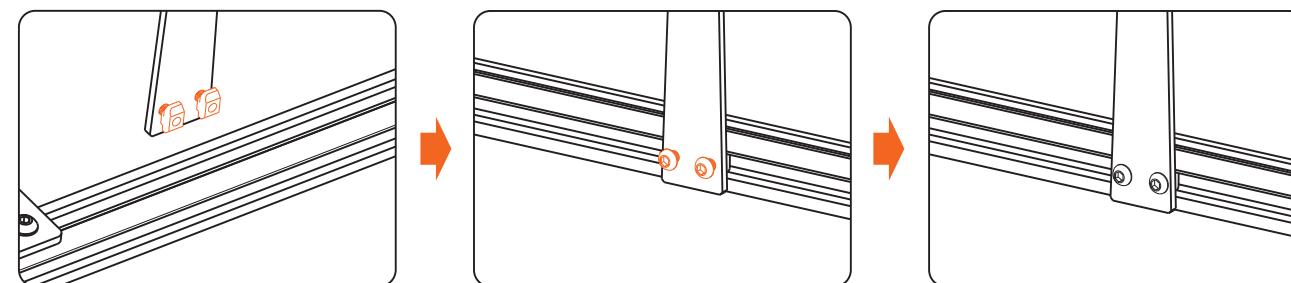
4. Assemble the feeder



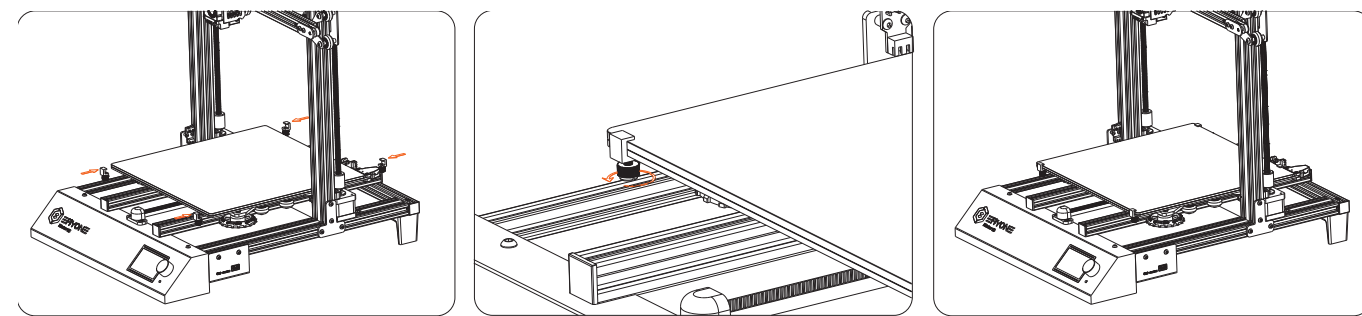
Step 2: Assemble extruder and wire



Step 3: Assemble filament holder



Step 4: Assemble clamps



Test before print

-Movement test

Click LCD button :LCD→Prepare→Auto home
Then the 3d printer all axis will home all axis by hitting the limit switch.

```
Info screen  ↑
Prepare      →
Control      →
Print from SD →
```

```
Main  ↑
Move axis  →
Auto home
Set home offsets
Disable steppers
```

-Preheat hotend and heated bed

Click LCD button: LCD→Prepare→Preheat PLA→Preheat PLA.
Then the 3d printer hotend and heated bed will heat to the correct temperature.

```
Info screen  ↑
Prepare      →
Control      →
Print from SD →
```

```
Set home offsets
Disable steppers
Change filament  →
Preheat PLA      →
Preheat ABS      →
```

```
Prepare  ↑
Preheat PLA
Preheat PLA End
Preheat PLA Bed
```

-Load the filament

Note: The extruder will not work until the temperature is higher than 170°C .
(Temperature protection feature)

Preheat your hotend at first. Click your LCD button→Prepare→Preheat PLA End. Insert filament into the Teflon tube. When the filament goes though extruder block, with one hand press the handle, make sure the filament can go though the slot of the gear, then guide filament in by hand till filament starts to string from the hotend.

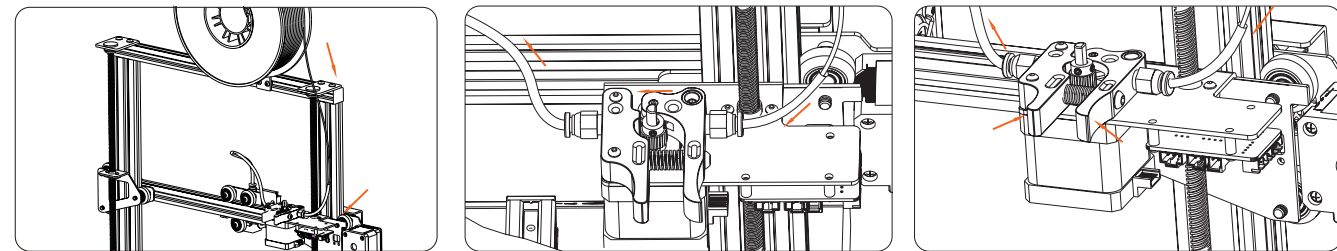


You can feel free to contact us via

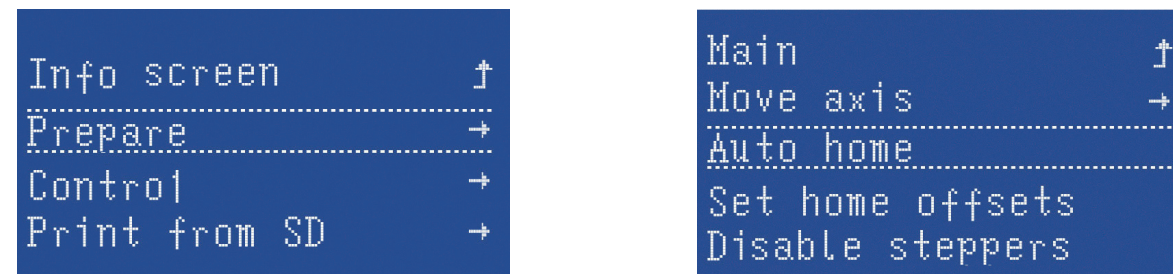
Email:
technical@eryone.com
Facebook:
<https://www.facebook.com/groups/247271792709370>
Youtube:
<https://www.youtube.com/c/Eryone3D>

Shenzhen Eryone Technology Co., Ltd.

2F, building B, Hongwan Technology Park, Gushu community Bao'an District,
Shenzhen city, Guangdong Province, China

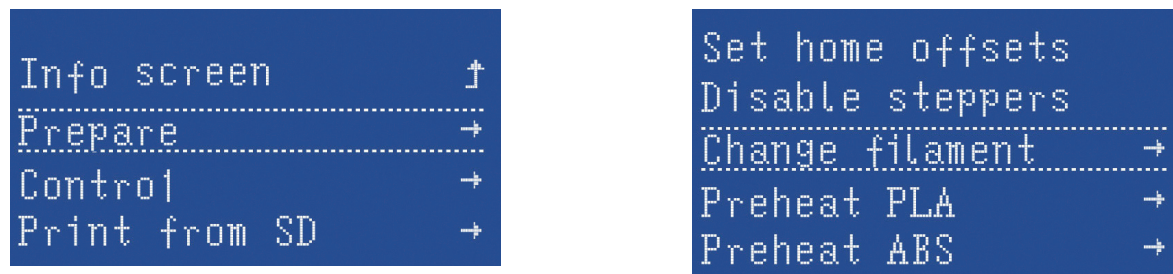


After pushing the filament into the bottom of hotend, click LCD button→Prepare→Auto home



When homing the axis is finished. You can click LCD button→Prepare→Change filament

Choose “Preheat PLA” the hotend will heating then you need to click the LCD button to continue. You can click “Purge more” a few times till the filament comes out of the nozzle.

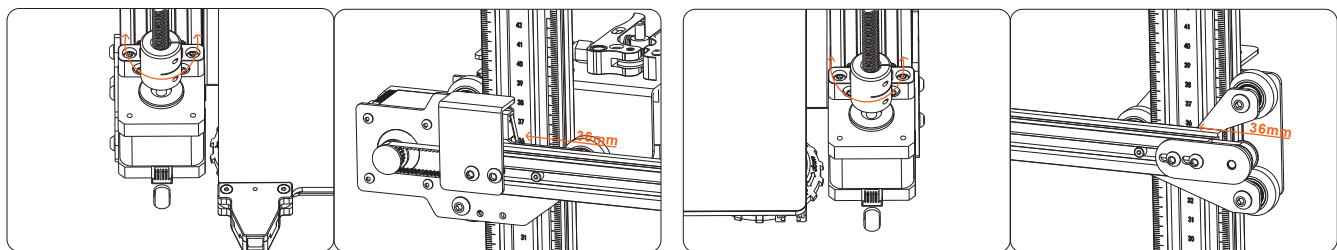


Levelling

To make 3d printer have better printing result, levelling bed before printing. You can refer to these steps to levelling the 3d printer.

1. Levelling gantry frame

Before you levelling the heated bed, please make sure gantry frame is perpendicular to Z axis aluminum extrusions, you can calibrate the couplers to make the frame same scale on both Z axis aluminum extrusions.



(Right)

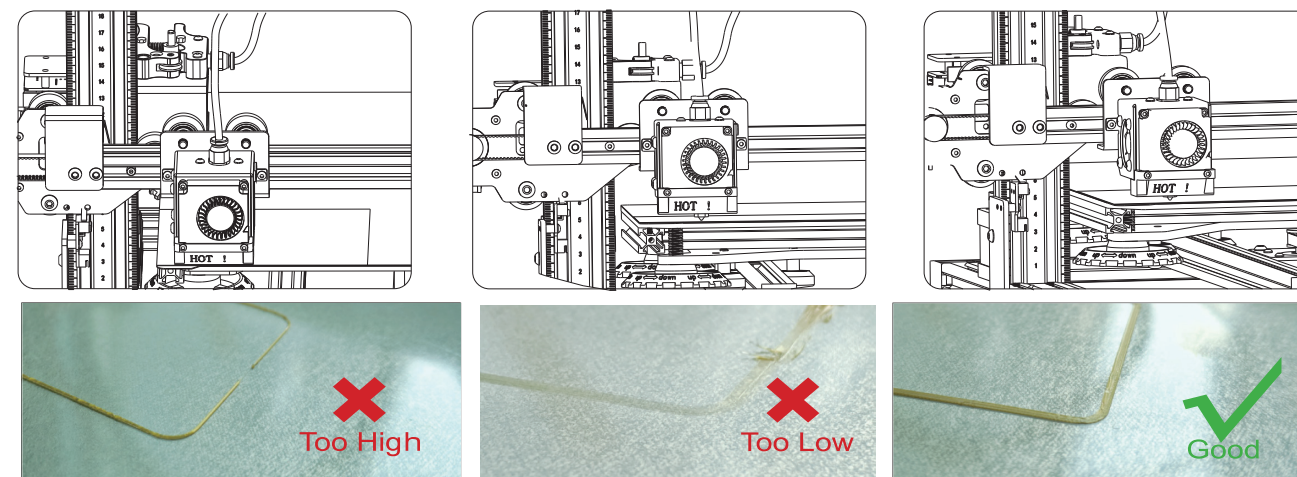
(Left)

2. Levelling the heated bed

The recommended distance between the nozzle and printing surface is 0.05~0.1mm(Thickness of A4 paper). There are 4 knobs under the heated bed, by which you can tighten or loosen the springs to reduce or increase the distance between the nozzle and printing surface. The distance from nozzle will increase if you tighten knobs, otherwise, it will decrease distance from nozzle.

Step1: Click “Prepare”→“Auto home”→“Disable steppers”

Step2: Manually move the extruder to the 1st right hand corner of the heated bed, you need to place a piece of A4 paper between the nozzle and the heated bed, fine-tuning until you feel slight friction from the paper when you pull on it(Repeat for all 4 corners and centre of the bed)



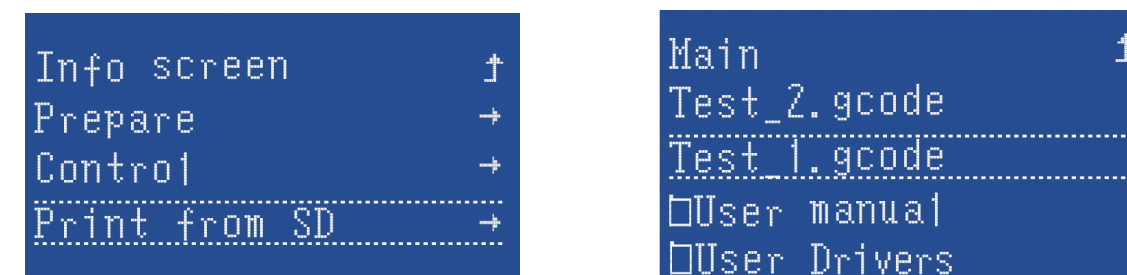
Printing

The printer is now ready to print, we can print the test gcode at first.

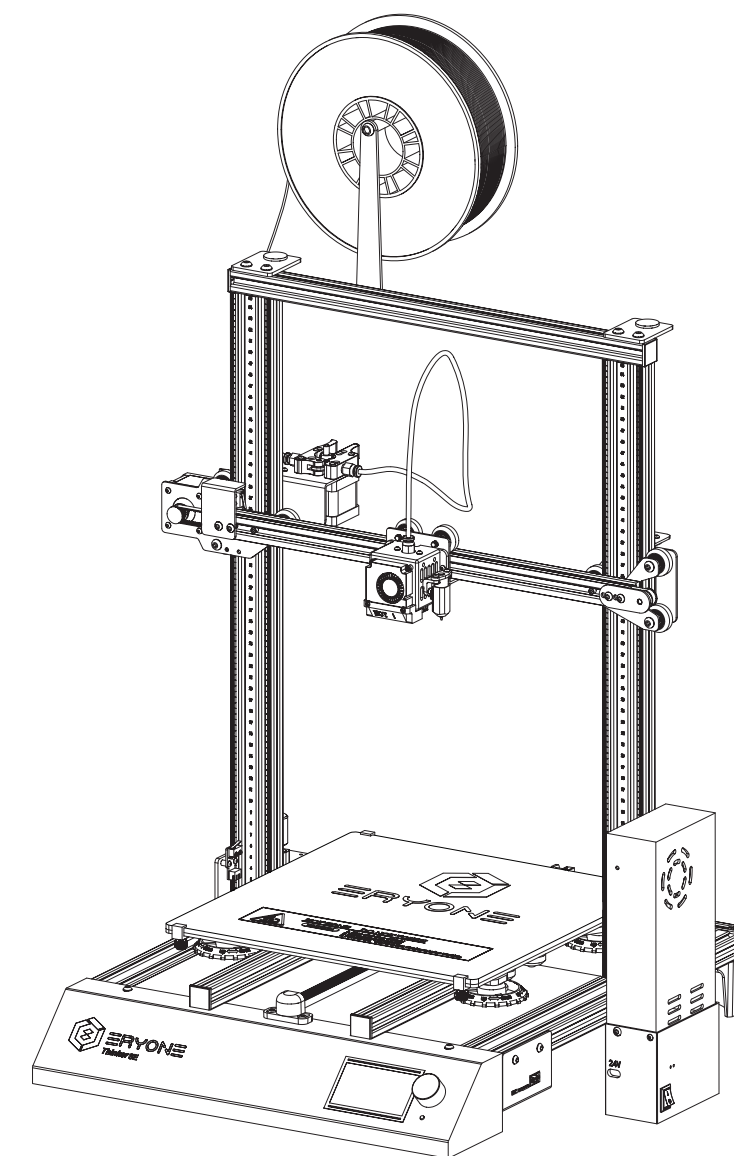
1) You need to insert the SD card to printer.

2) Then click LCD button→Print from SD card→Select “Test_1.gcode”

After test model is complete. You need to learn how to slice till files to be able to print your own model.



If you want to learn more about 3d print. You can refer to “Thinker SE User Manual”



Eryone Thinker SE Quick Starter Guide

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