

MY3D

F1-B V2 MKS



Preparation and steps



1



2

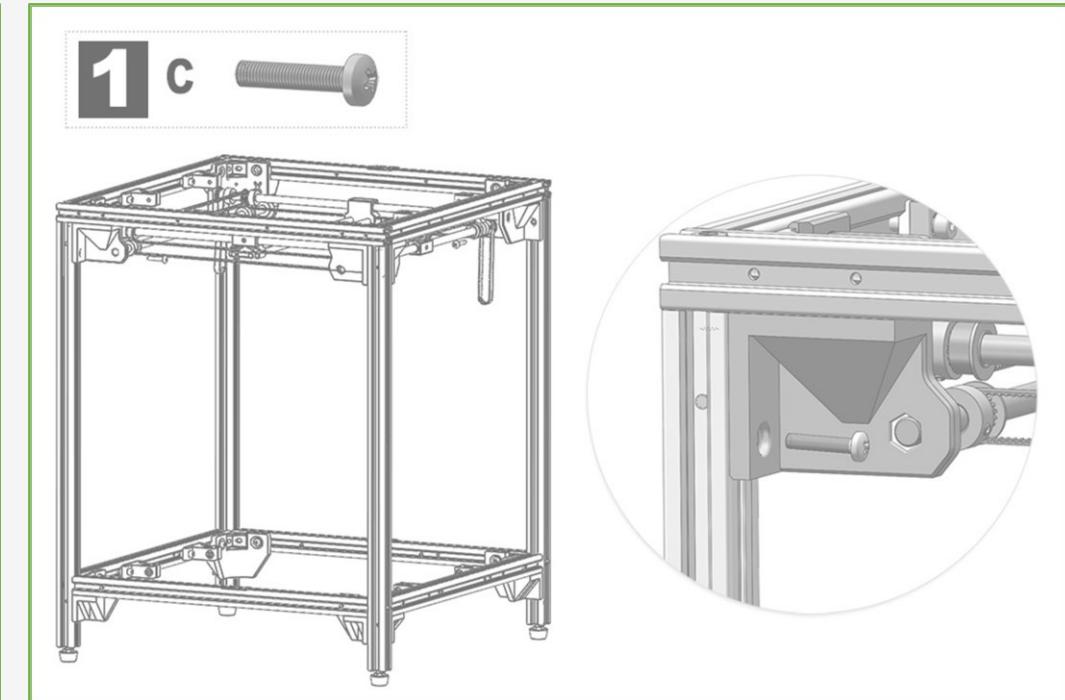


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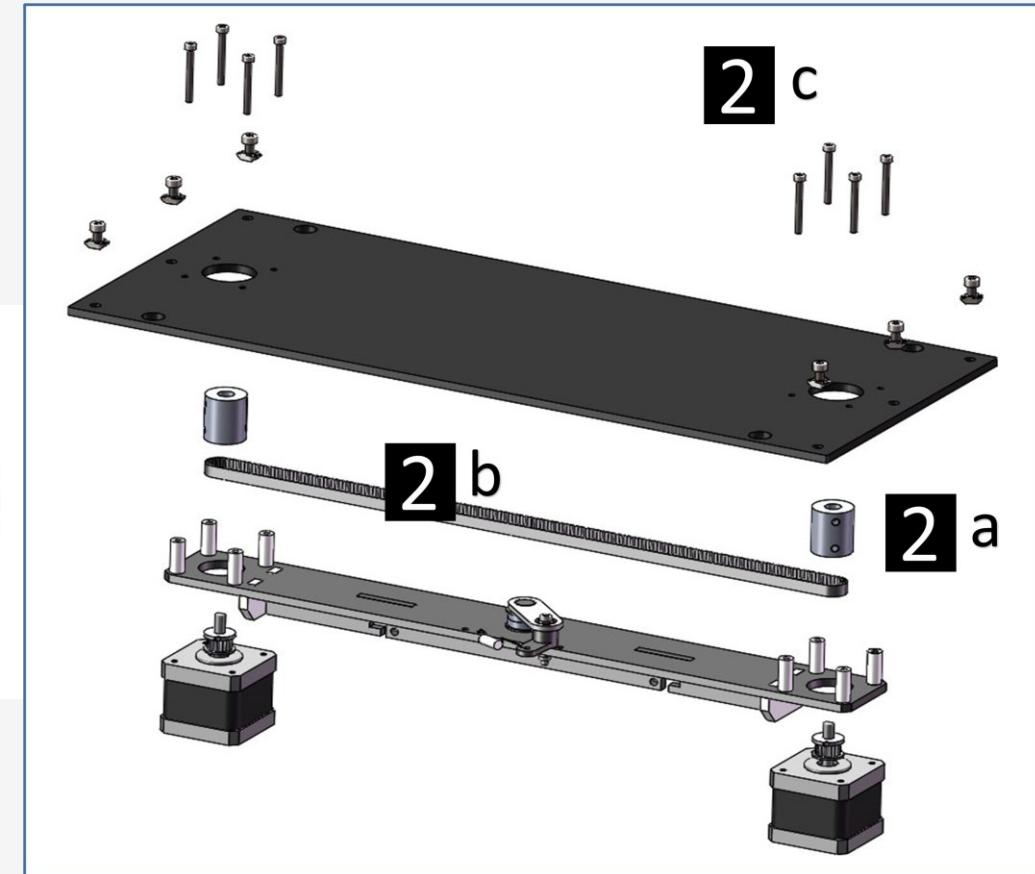
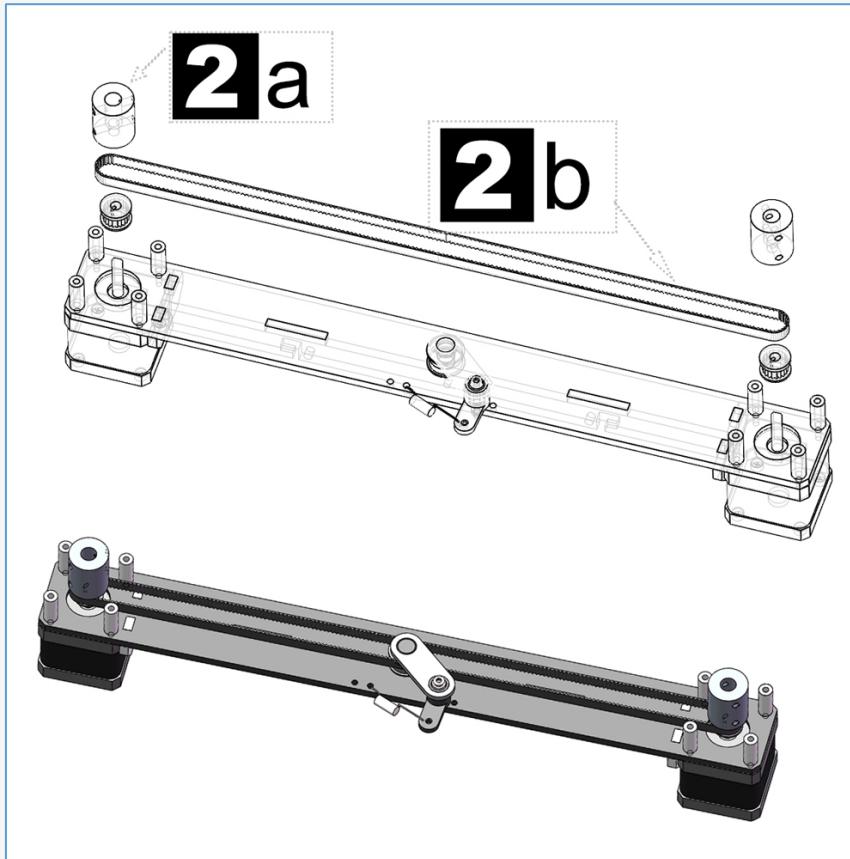
1

First step frame



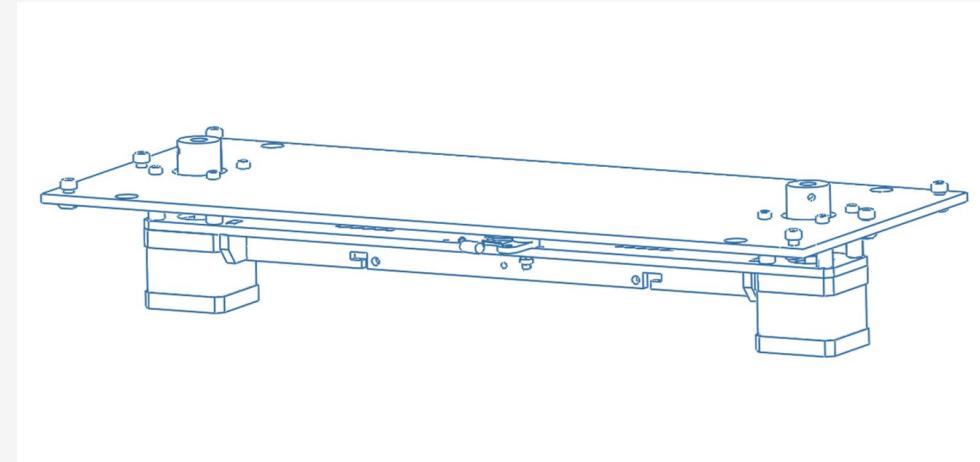
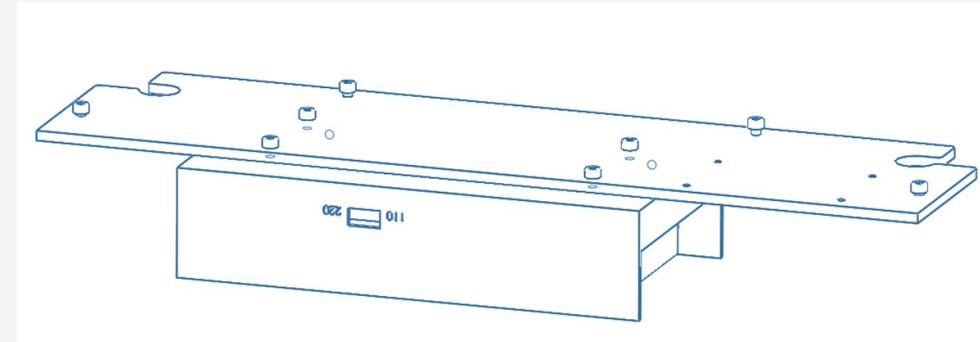
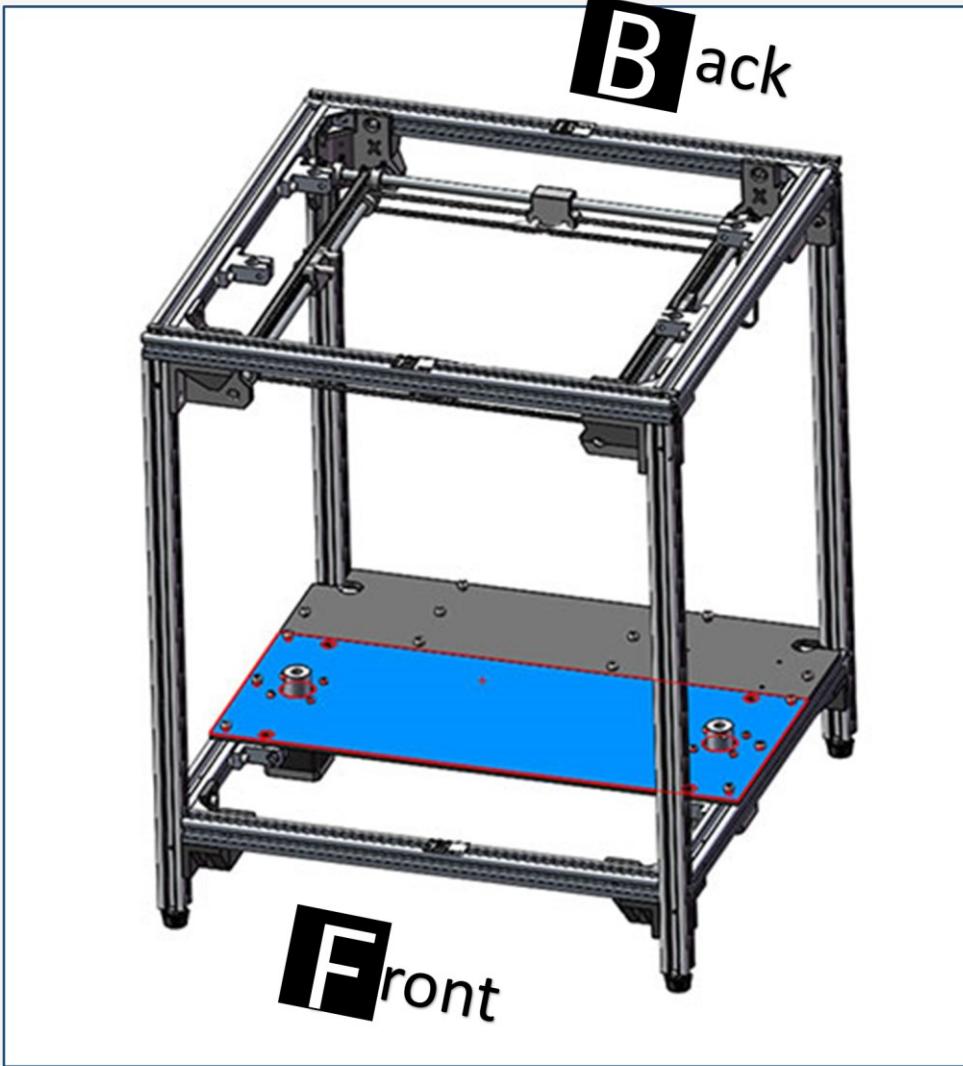
Step 2 Hot bed Z axis

2

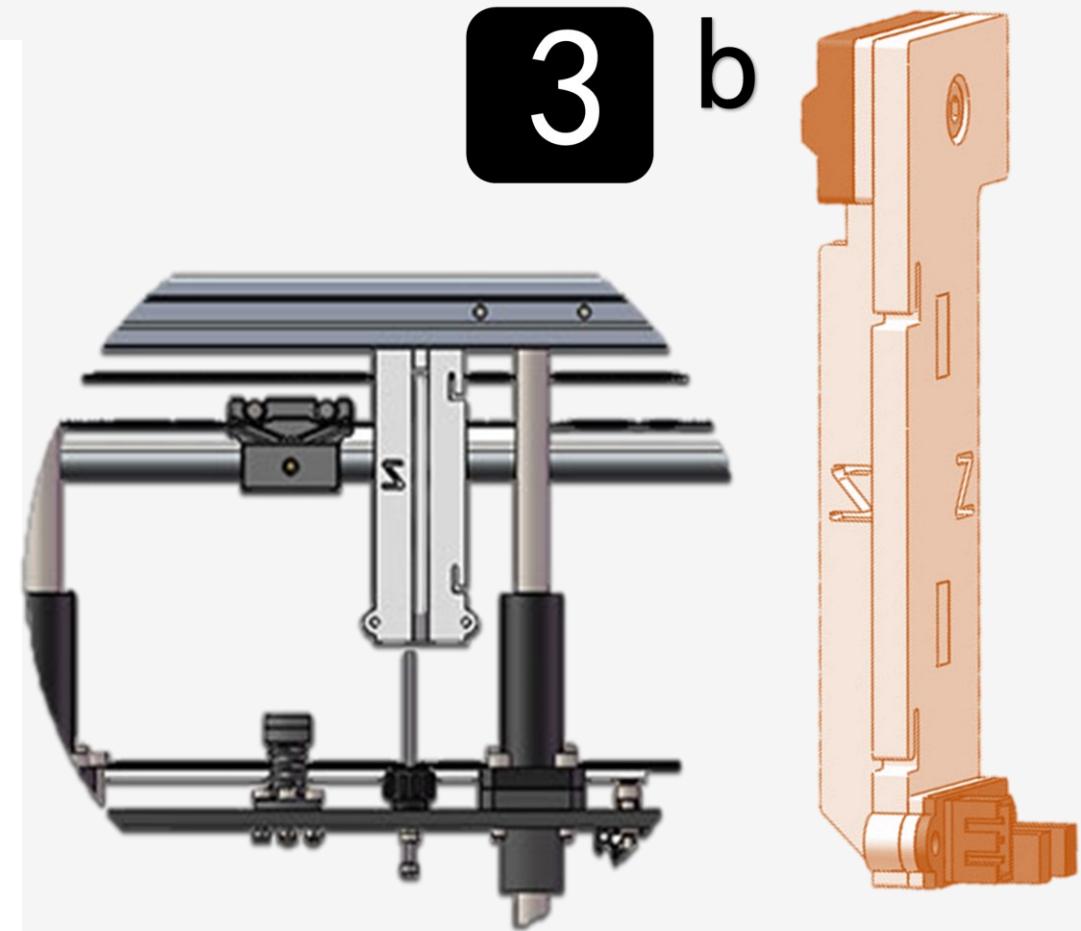


Step 2 Hot bed Z axis

2



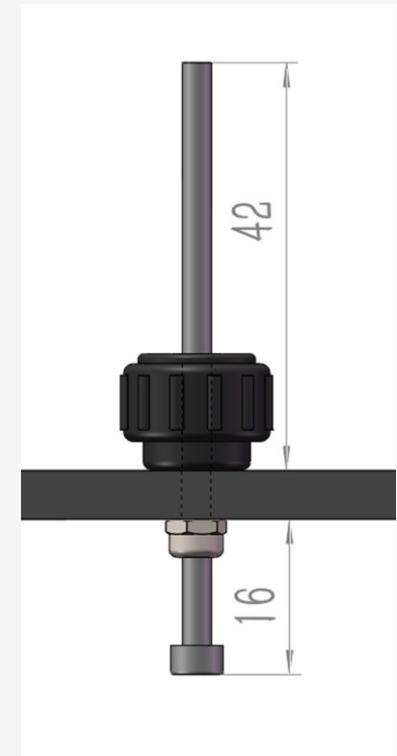
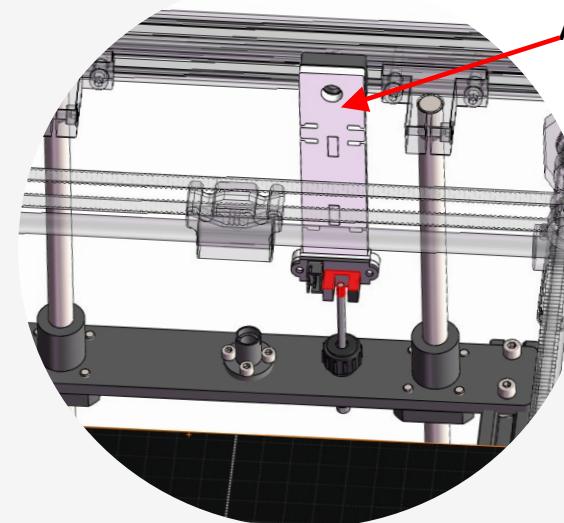
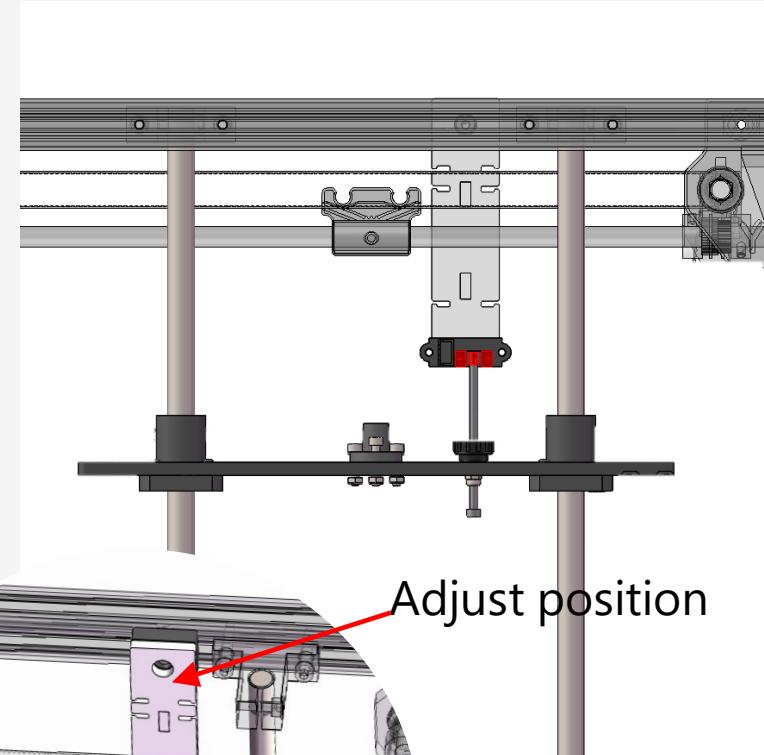
Step 2 Hot bed Z axis 2



Step 2 Hot bed Z axis

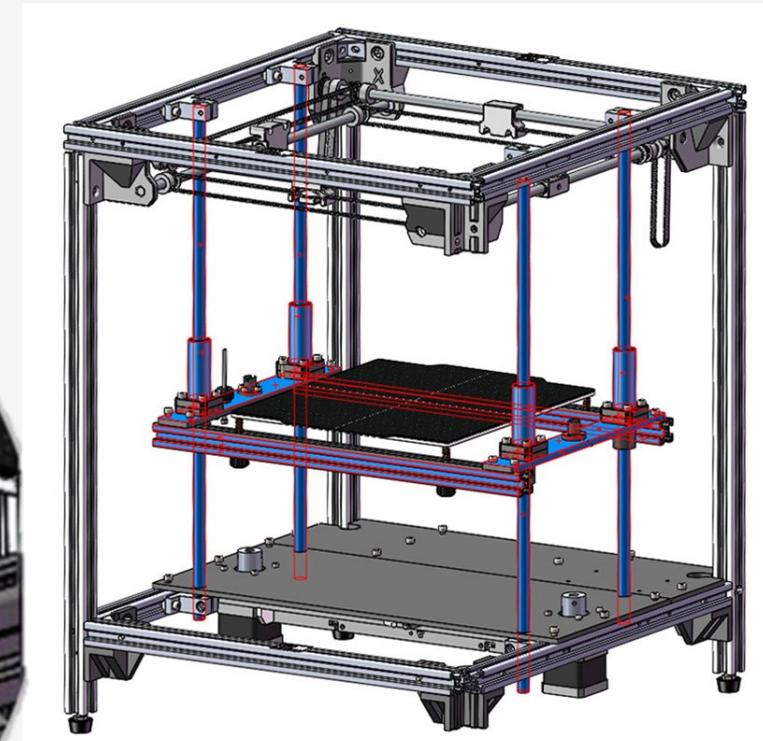
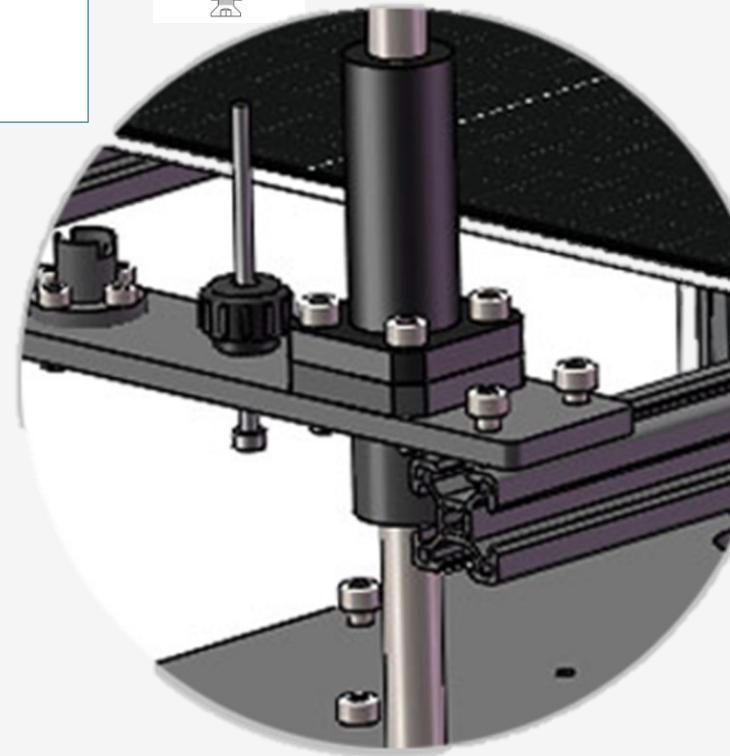
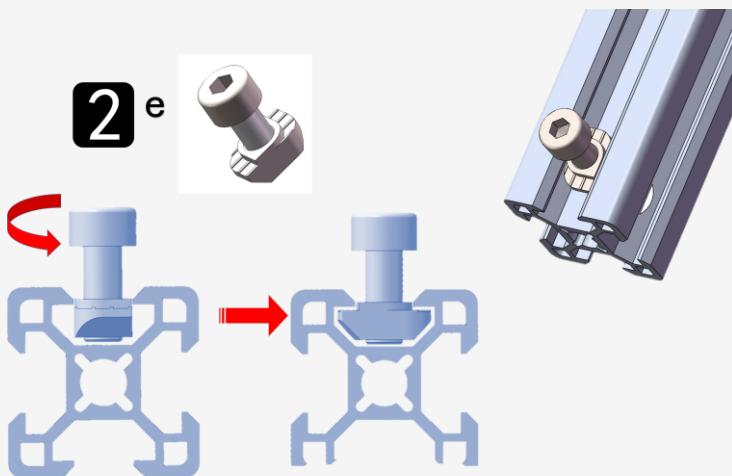
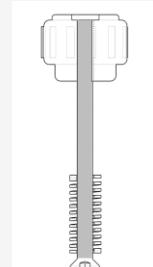
2

sliding up and down smoothly



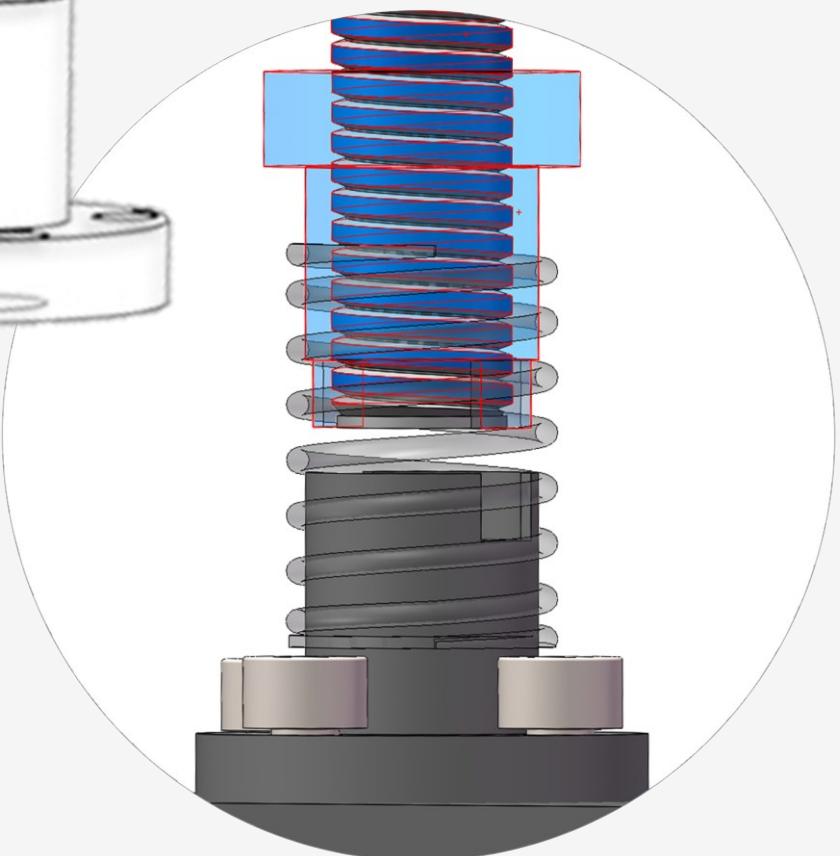
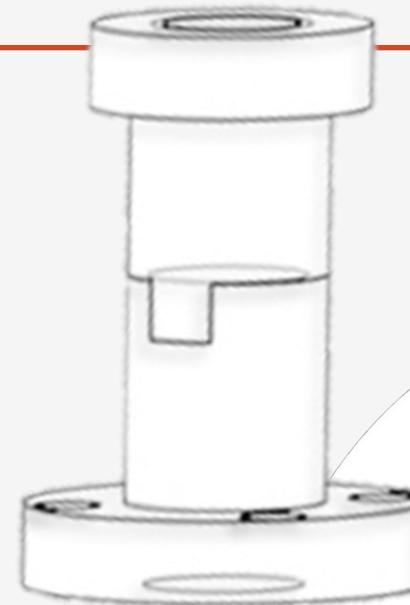
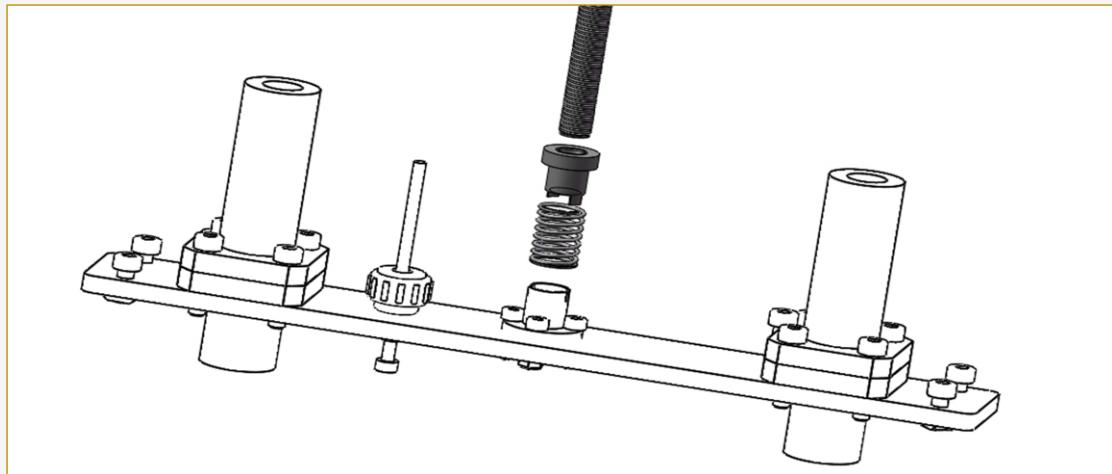
Step 2 Hot bed Z axis

2



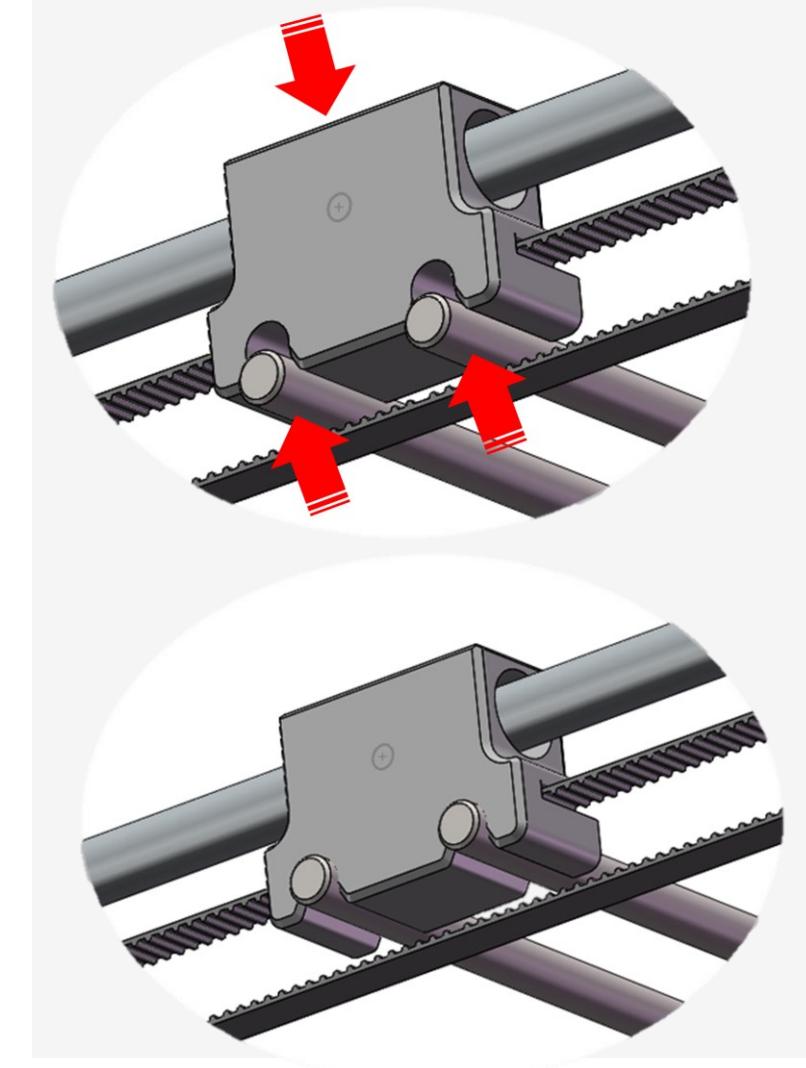
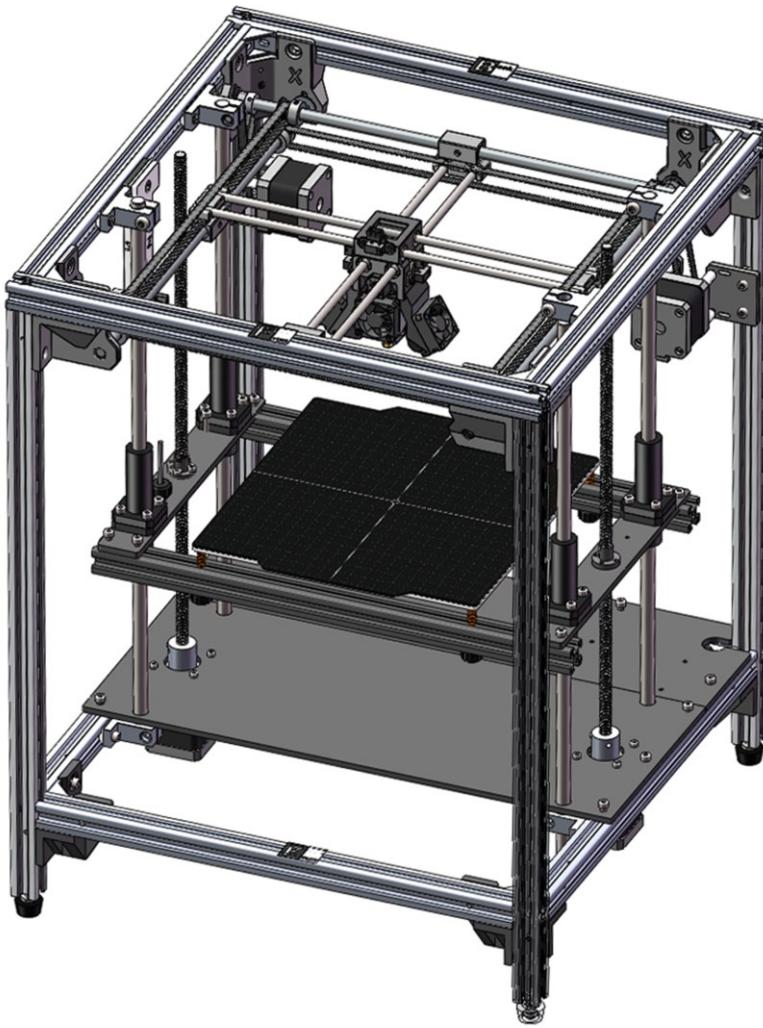
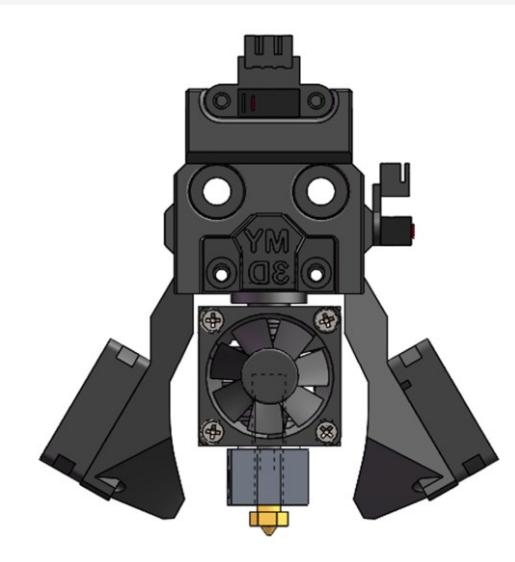
Step 2 Hot bed Z axis

2



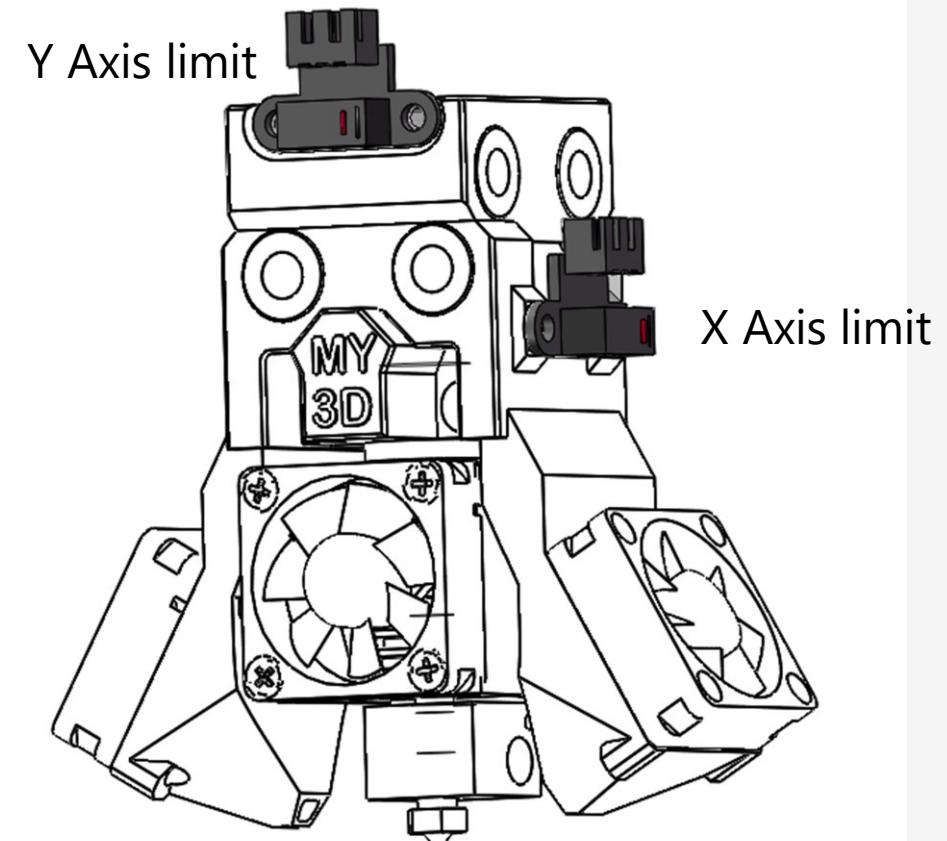
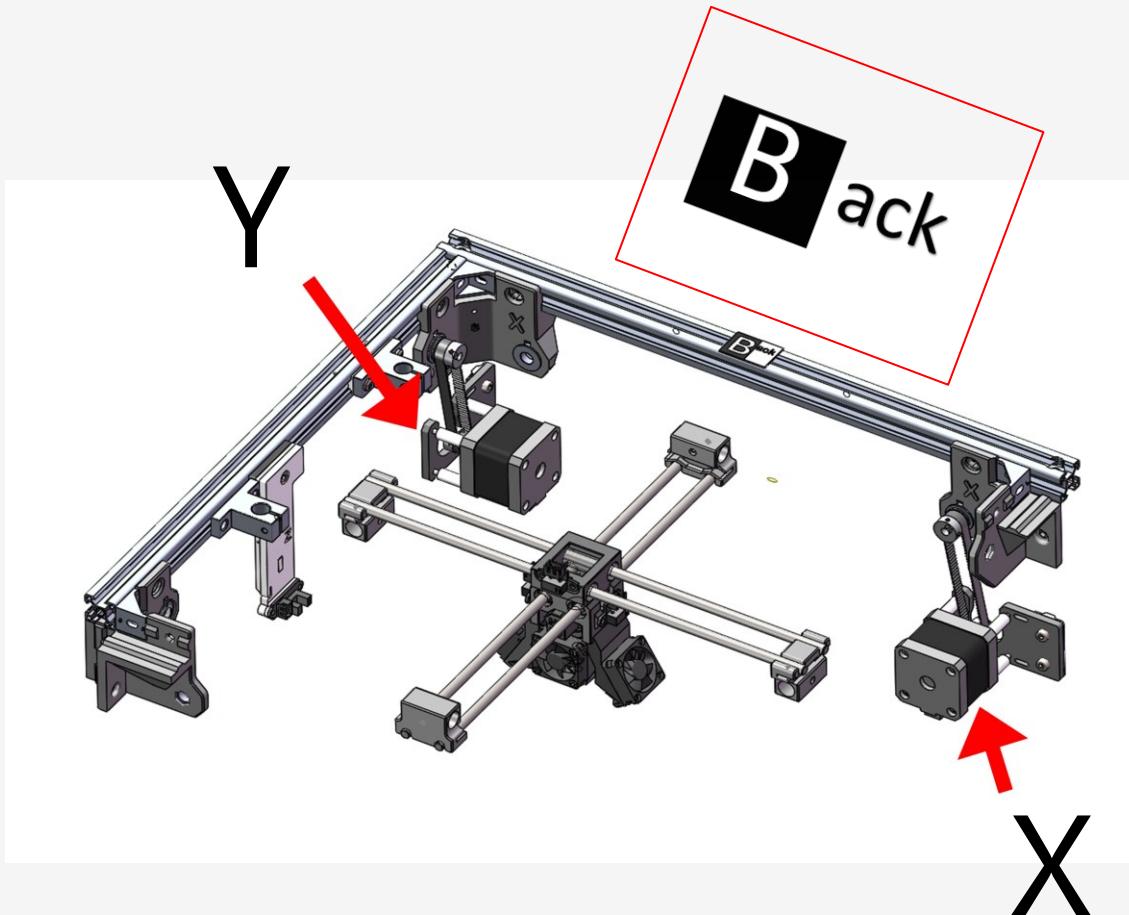
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Step 3



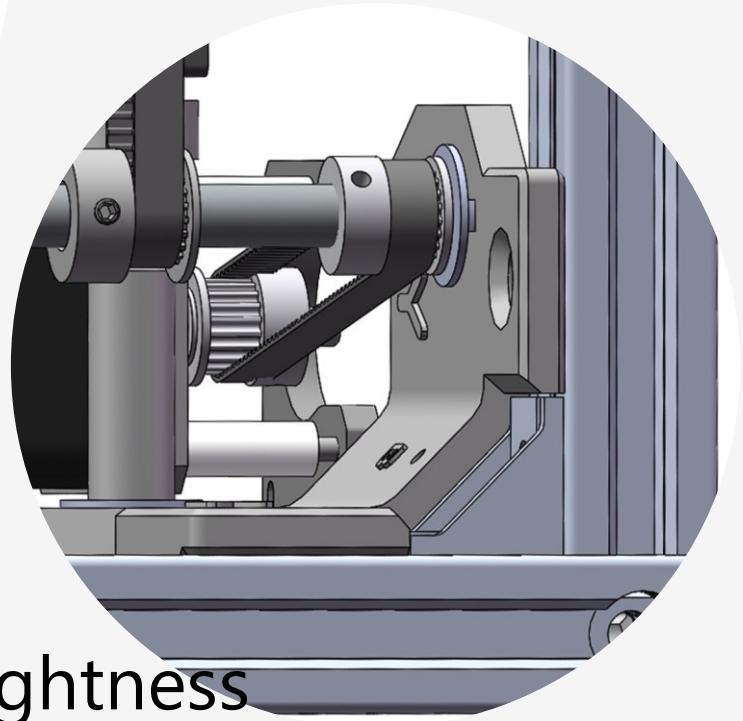
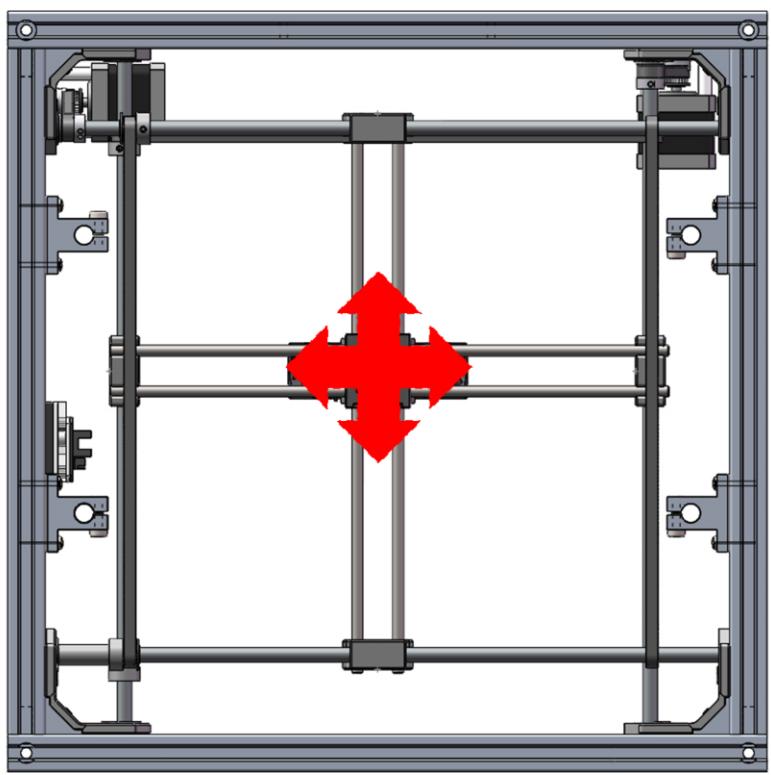
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Step 3



3

Step 3



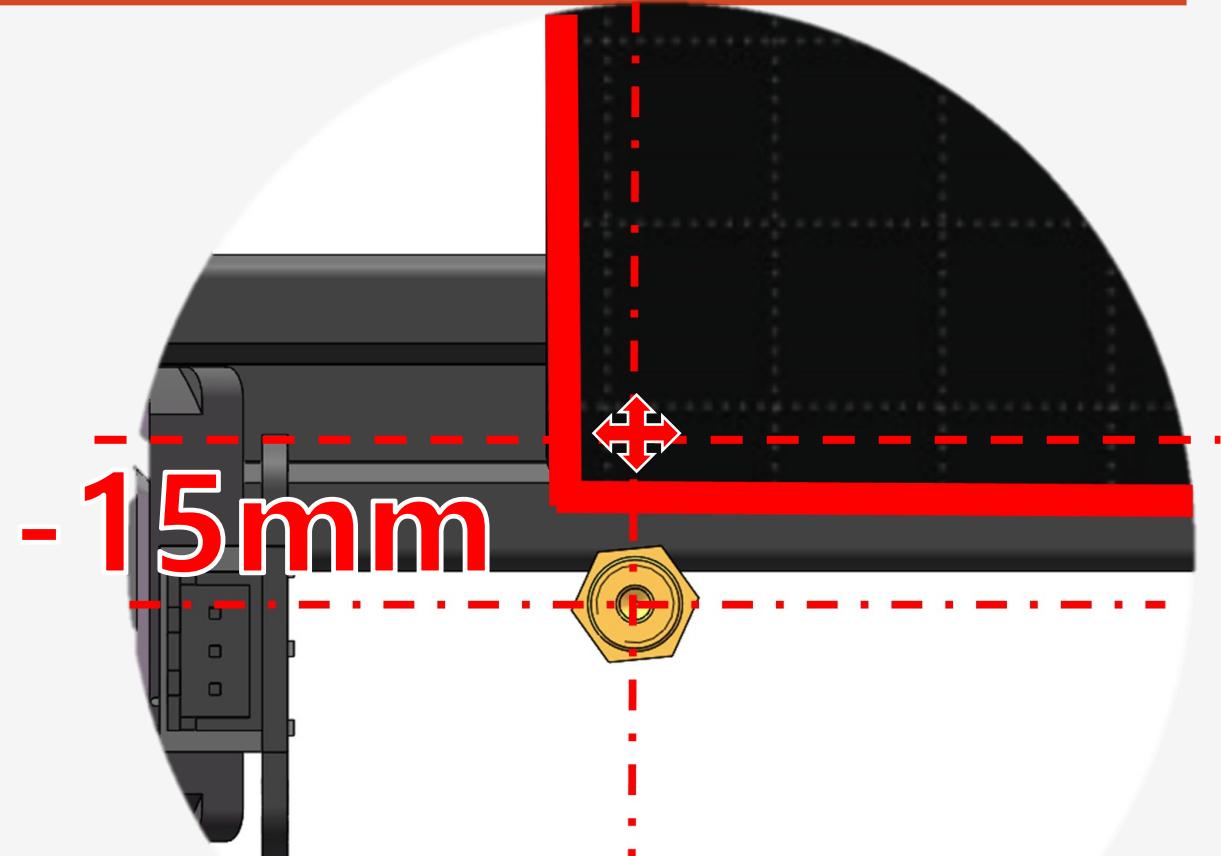
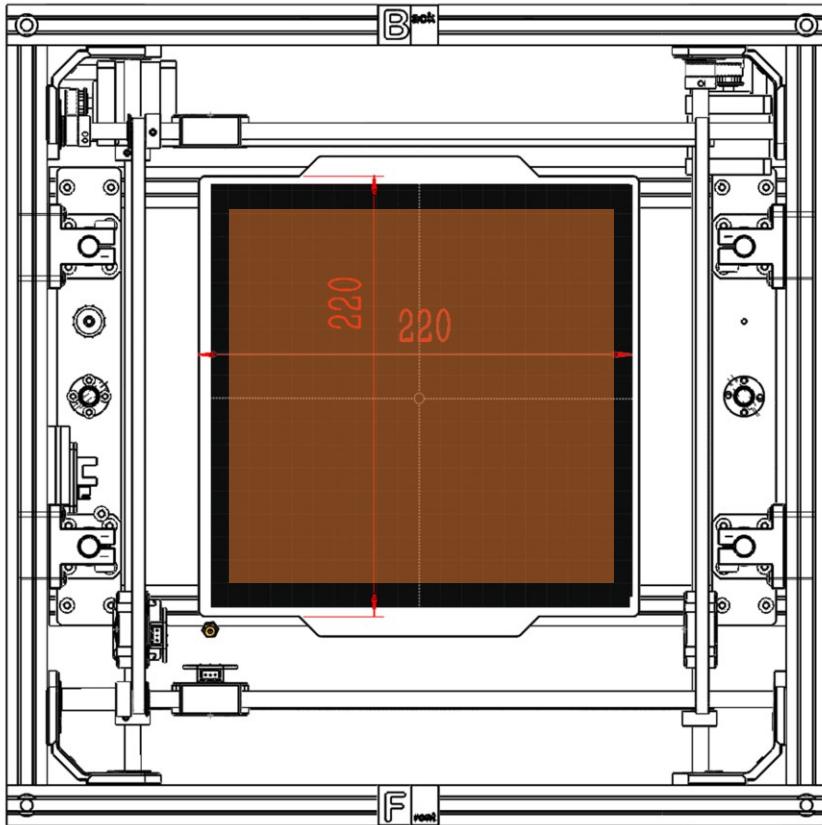
Parallel belts on both sides have the same tightness

3

Step 3

Actual position of nozzle

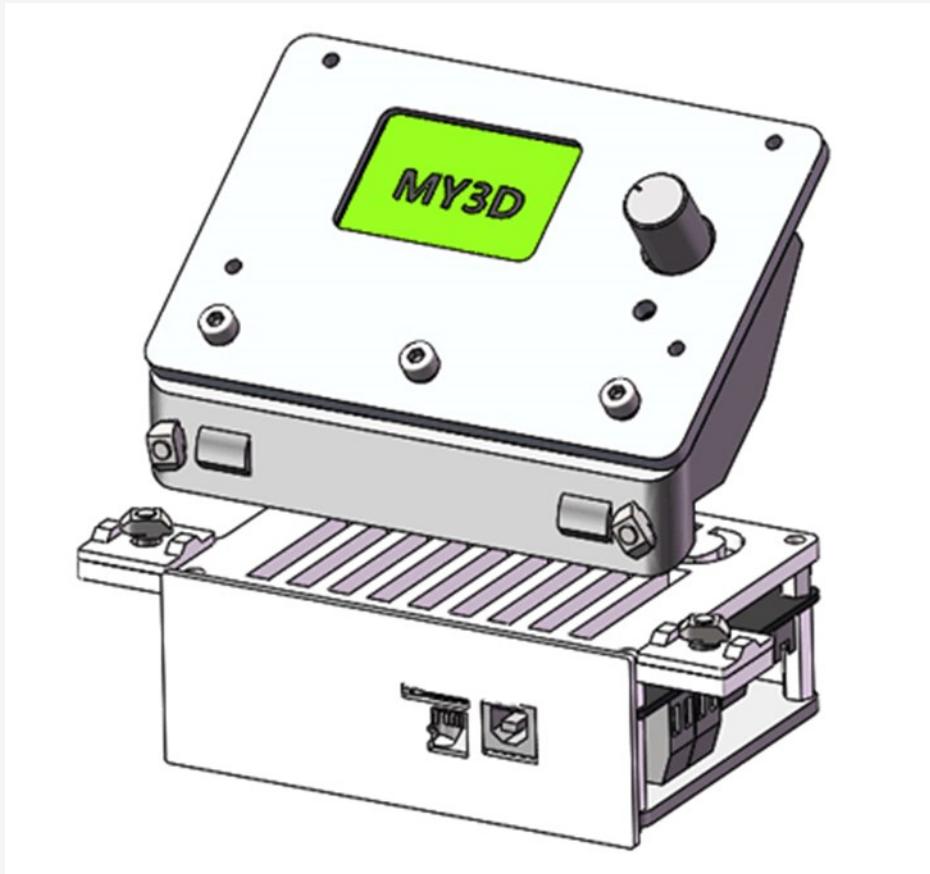
Magnet hot bed size: 220*220mm
Actual printable size: **210*210mm**



The nozzle is outside the hot bed at home
Nozzle heating to prevent burning hot bed stickers
It is convenient to clean and replace the heating head.

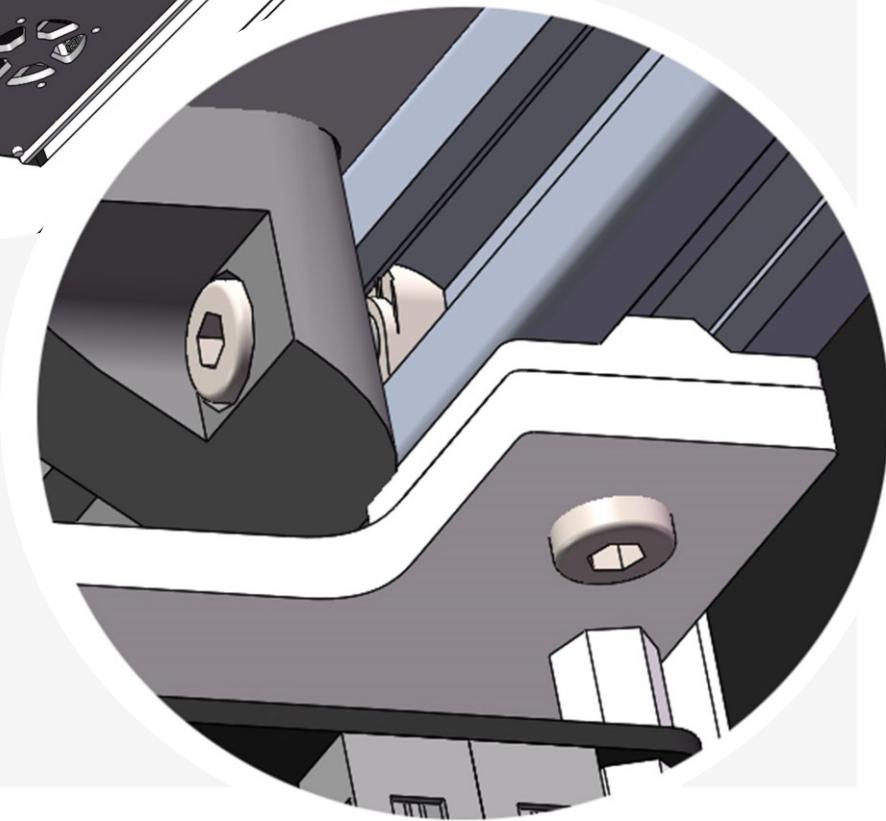
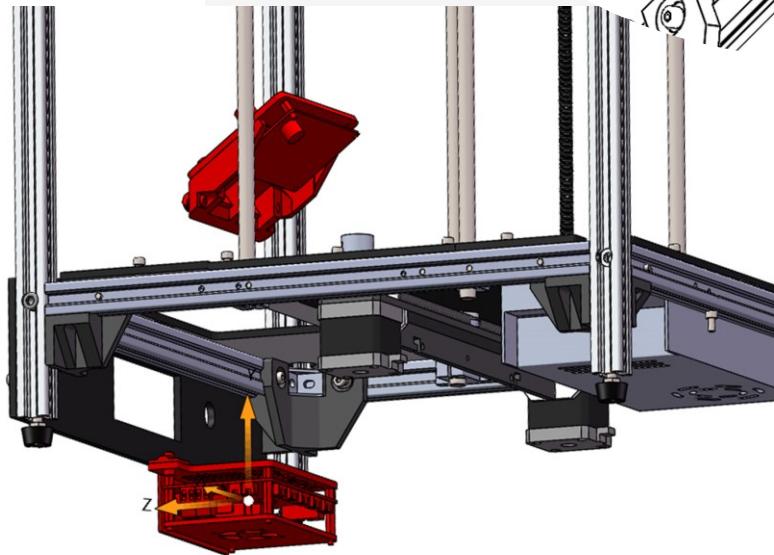
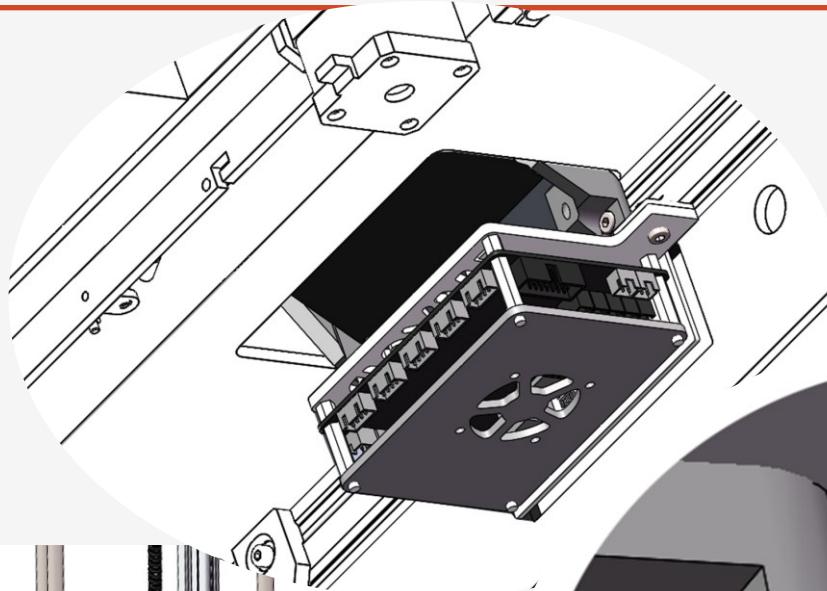
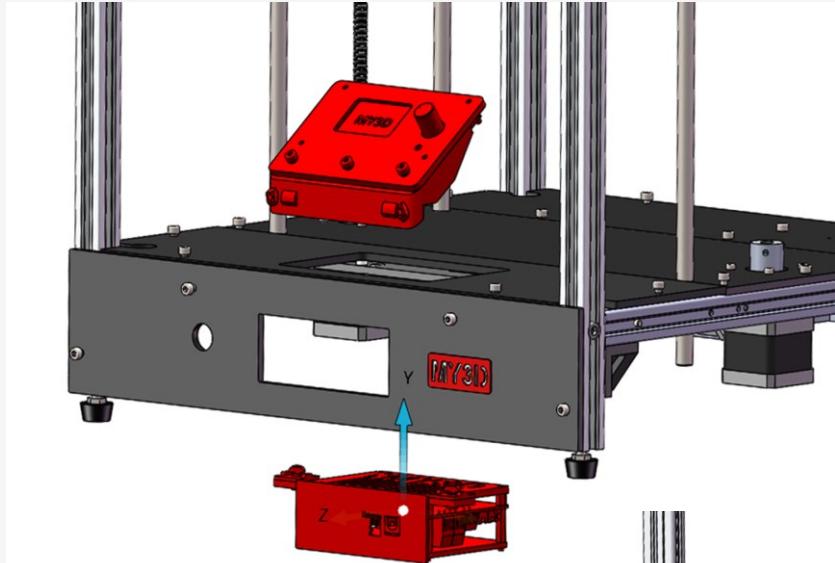
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Step 3



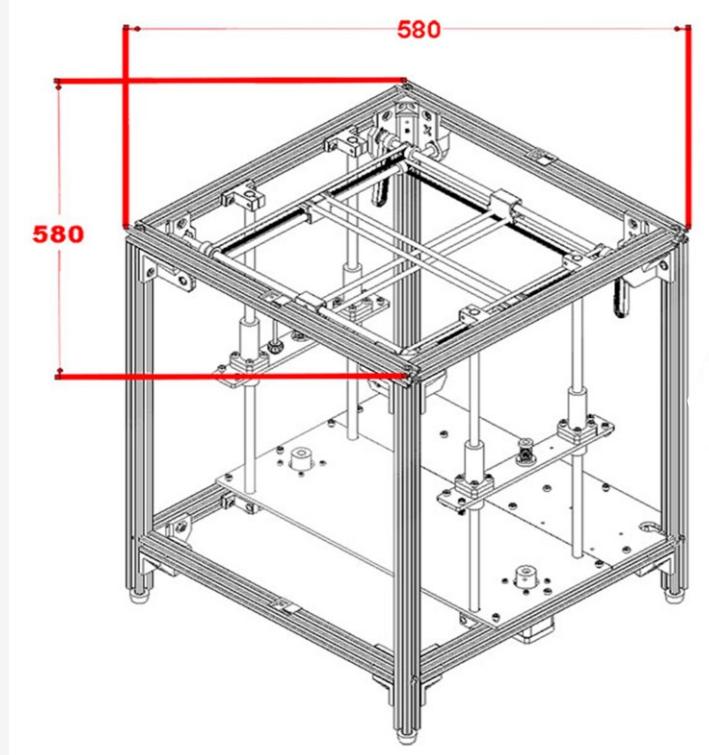
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Step 3

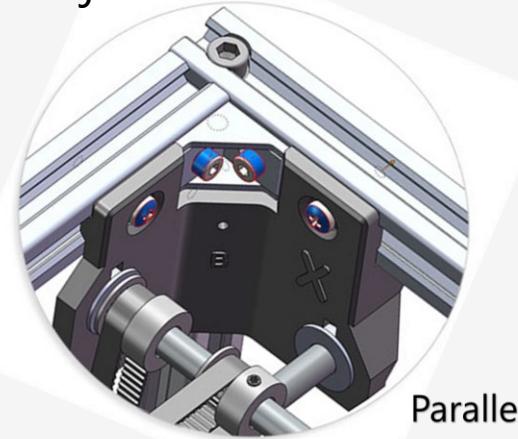


Q&A

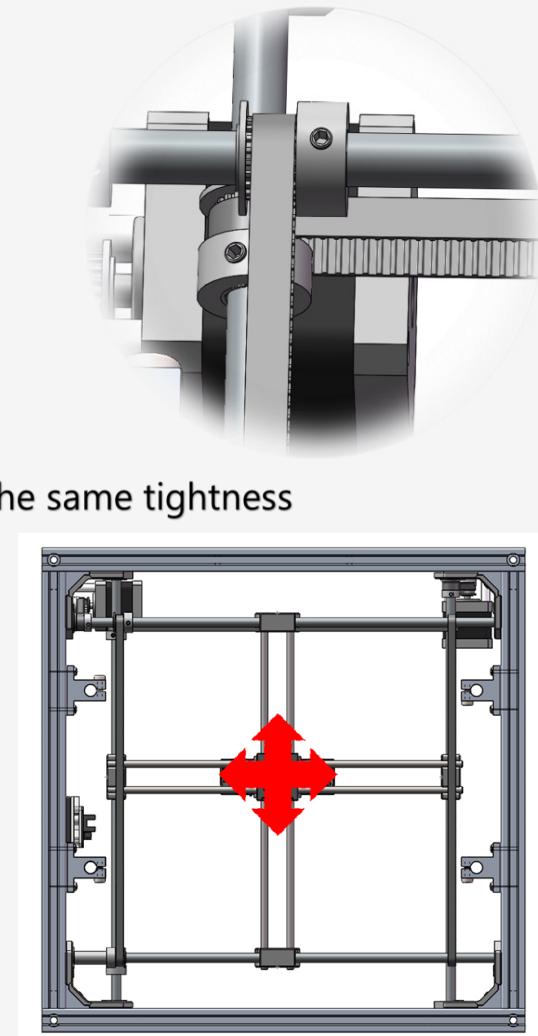
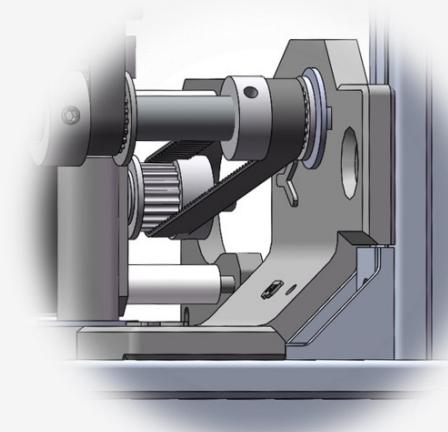
Frame adjustment



Measure diagonal distance: keep equal
Adjust the four-corner screws,



Parallel belts on both sides have the same tightness

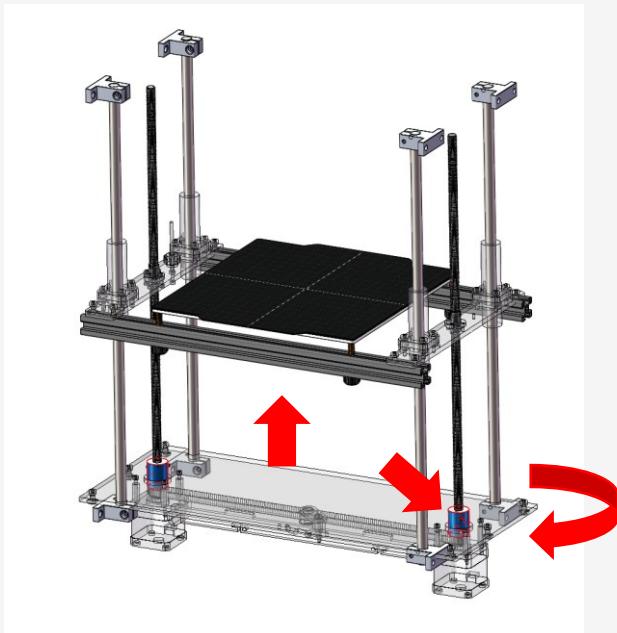


Q&A

Use for the first time

Need to manually adjust the height of the hot bed,
20mm away from the bottom plate

Because after leveling and the home button, in order to protect the nozzle,
the Z axis will run in the opposite direction 20MM first



UP 20MM



Q&A FOR Firmware Refresh TF card Upgrade

- There are 2 firmware files: **lite_cfg** **mkslite.bin**

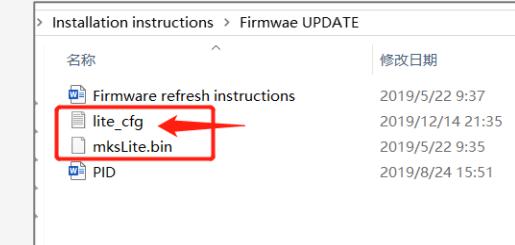
The **lite_cfg** file is in text format, can be modified, and some settings of the 3D printer can be changed, such as stepping motor step value, XYZ movement direction, PID temperature control setting, WIFI, etc.

Upgrade method:

- Copy the two modified files into the TF card
- Insert TF card into the 3D printer.
- Turn on the power of the 3D printer and it will automatically upgrade.

Remarks:

- File name cannot be modified when saving
- Needs to be save with TF card in the first-level directory.
- TF card files can only be updated once.
- After the update, the files in the TF card are automatically invalid (can be deleted).
- Need to update again. Copy the 2 files **lite_cfg** **mkslite.bin** to the TF card again, and do it again.



Download the latest firmware

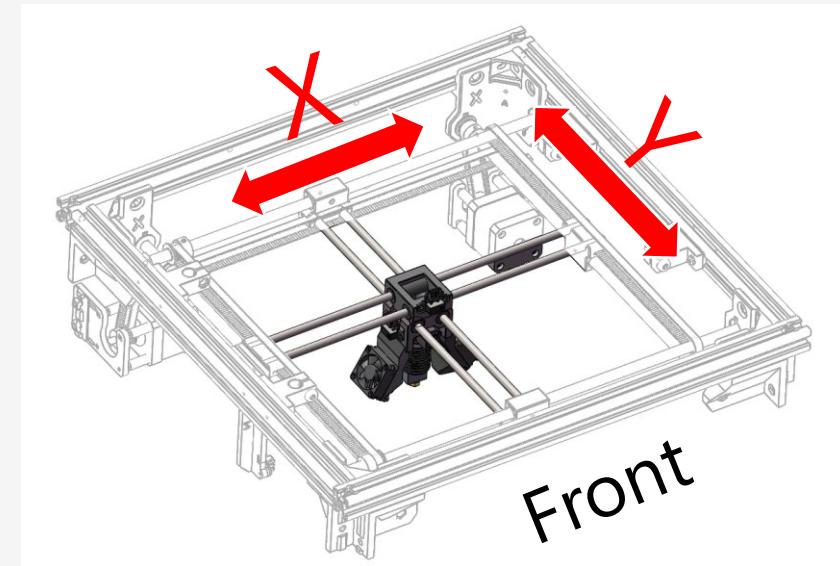
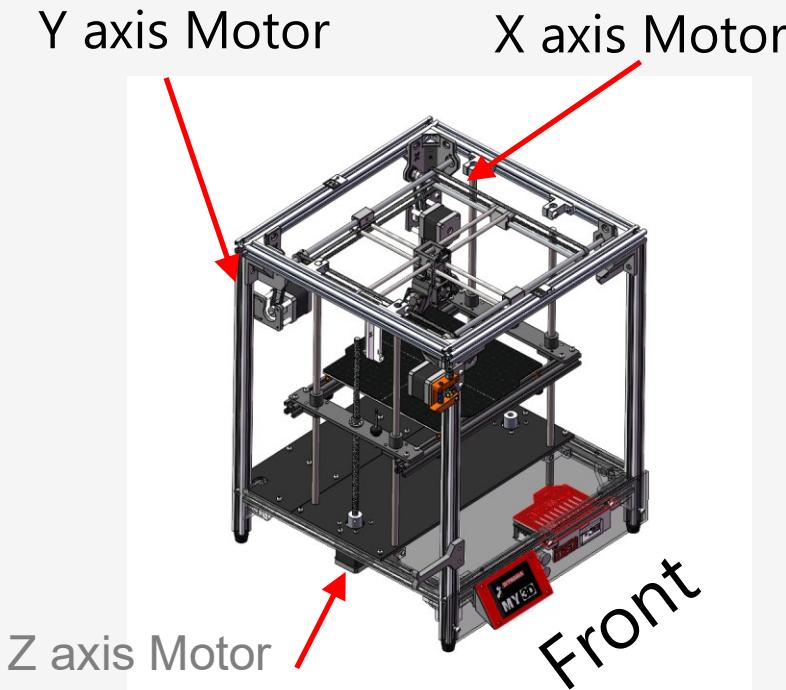
<https://github.com/my3dltd/F1-B-V2-MKS>

Q&A Firmware Refresh X Y Z direction

```
#Invert the stepper direction.  
>INVERT_X_DIR 1  
>INVERT_Y_DIR 1  
>INVERT_Z_DIR 0  
>INVERT_E0_DIR 0
```

Turn on the power
Confirm the XYZ limit switch is working.
Touch the micro switch with your hand, **the green light is on**, OK.

Modify 0 or 1 to change the direction of movement



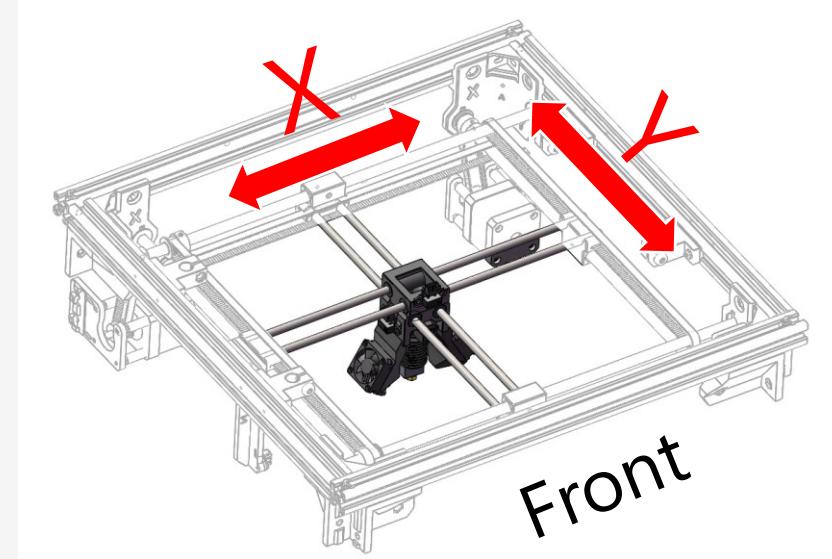
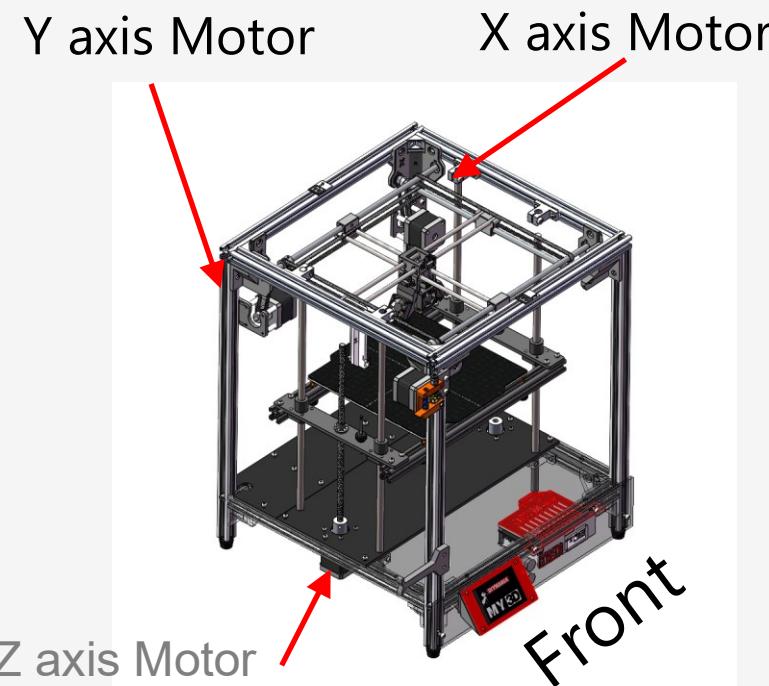
note:

For Z axis, when the home button is pressed, the direction of movement is reverse 20mm, and then the normal direction.

Q&A Firmware Refresh X Y Z direction

Modify 0 or 1 to change the direction of movement

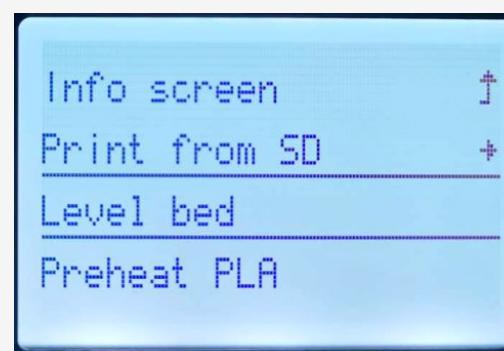
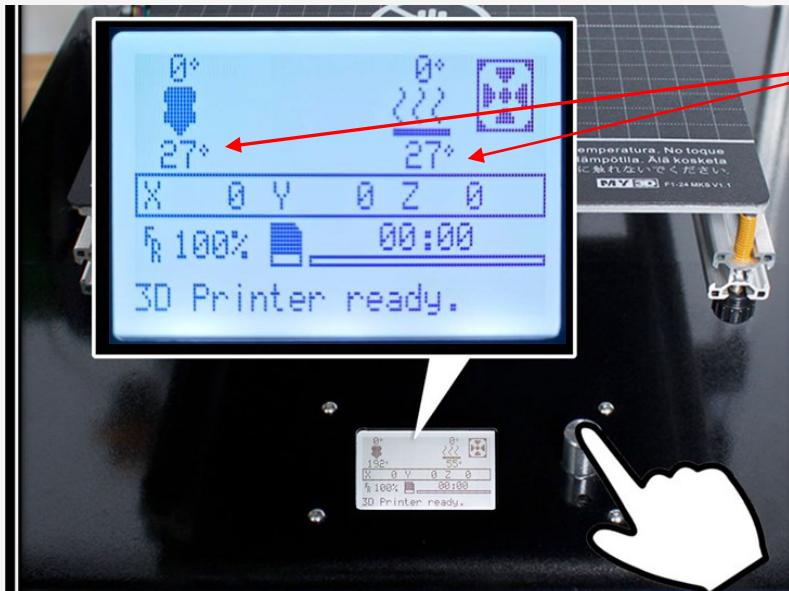
```
#Invert the stepper direction.  
>INVERT_X_DIR 1  
>INVERT_Y_DIR 1  
>INVERT_Z_DIR 0  
>INVERT_E0_DIR 0
```



note:

For Z axis, when the home button is pressed, the direction of movement is reverse 20mm, and then the normal direction.

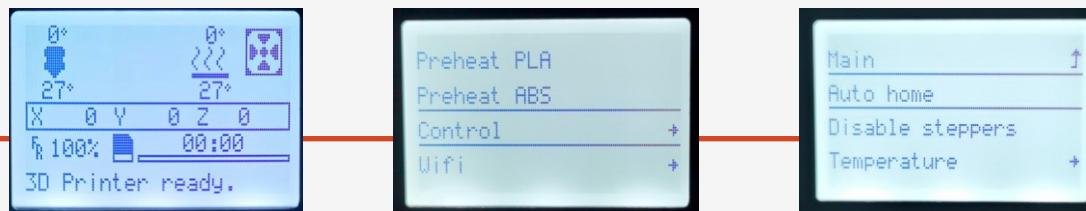
Q&A



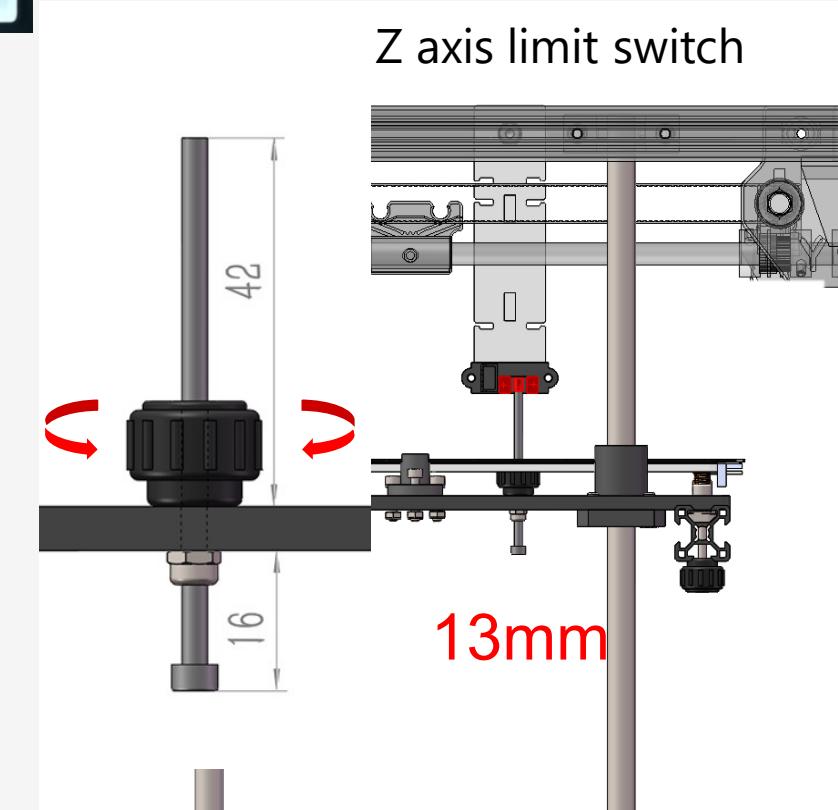
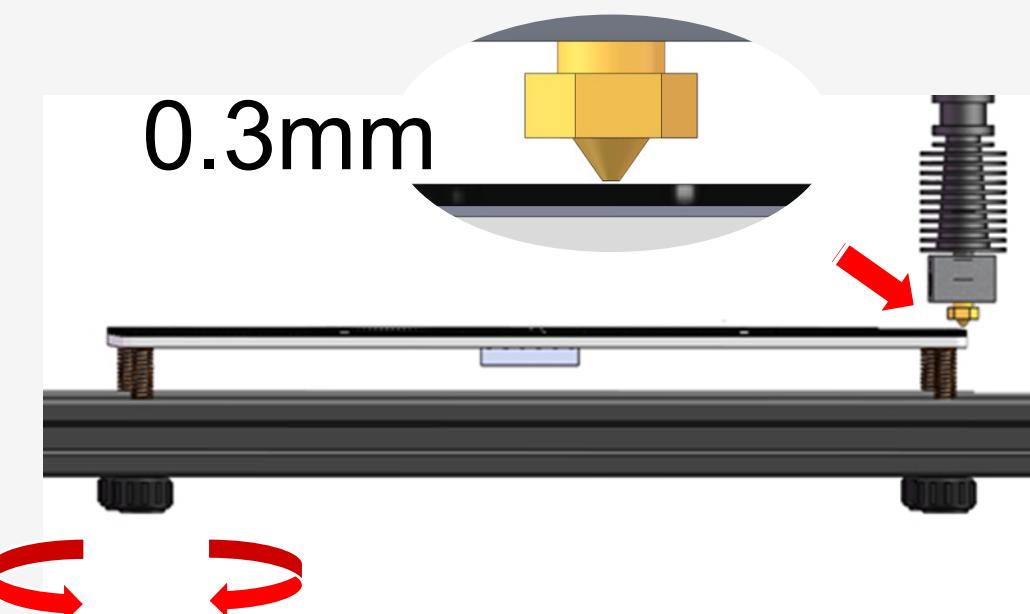
The temperature of the nozzle and the hot bed is measured.
If the temperature is abnormal, please check the connection.



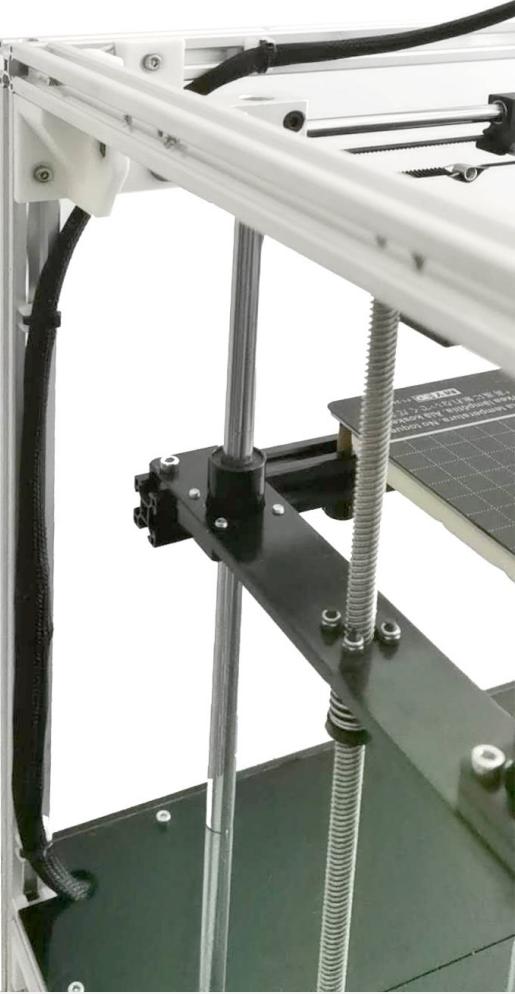
Q&A



First HOME: To adjust the approximate position,
The position of the nozzle is 0.3mm from the level of the hot bed,
If the nozzle is incorrectly away from the hot bed
Please adjust the Z axis limit switch according to the right picture



If using lattice glass (4mm thickness)
Need to adjust $16 + 1 - 4 = \text{13mm}$
soft magnetic sticker thickness is 1mm



Q&A

