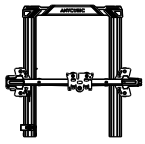
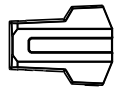
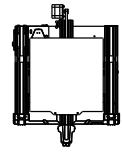
Anycubic Kobra Neo Assembly Instruction

For detailed instructions and software installation, please refer to the user manual from the memory card or visit www.anycubic.com to download the manual. If you need any help, please contact technical support at support.anycubic.com/en.

1 Packing list

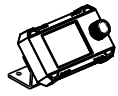

Frame


X-axis limit switch kit


Printer base


Print head


Filament holder


Screen kit


Memory card


Card reader

Spare nozzle


Tool kit


Power cord

Filament

M3X8 screw*4

M4X6 screw*2

M4X16 screw*2

M5X25 screw*2

M5X45 screw*2

M5 Spring washer*4

*Note：The components above are for references only.The actual product may vary.

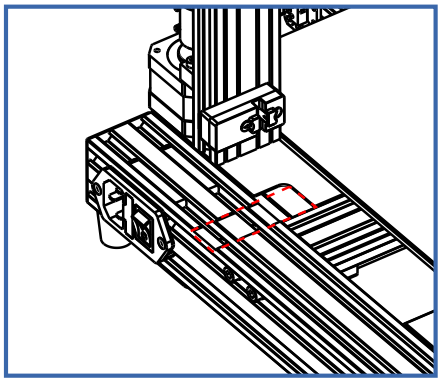
2 Installation

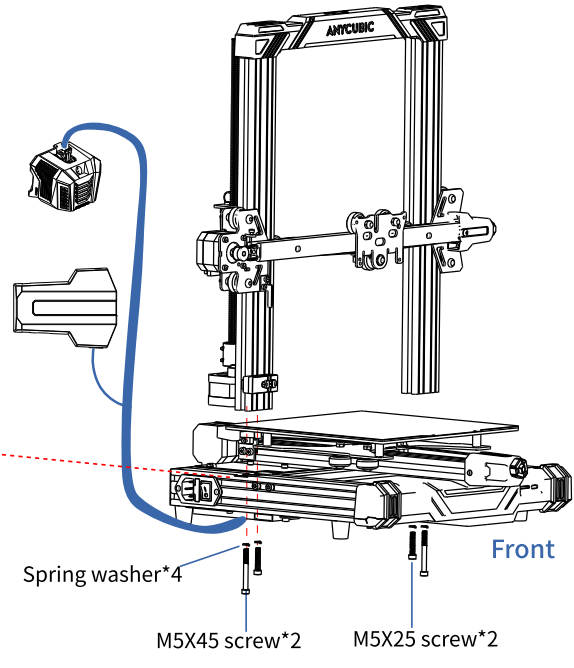
1. Install frame

Note：

1) When installing, pay attention to the front and back of the profile shown in the figure.

2) The Z-axis profile is aligned with the groove of the aluminum profile of the base.



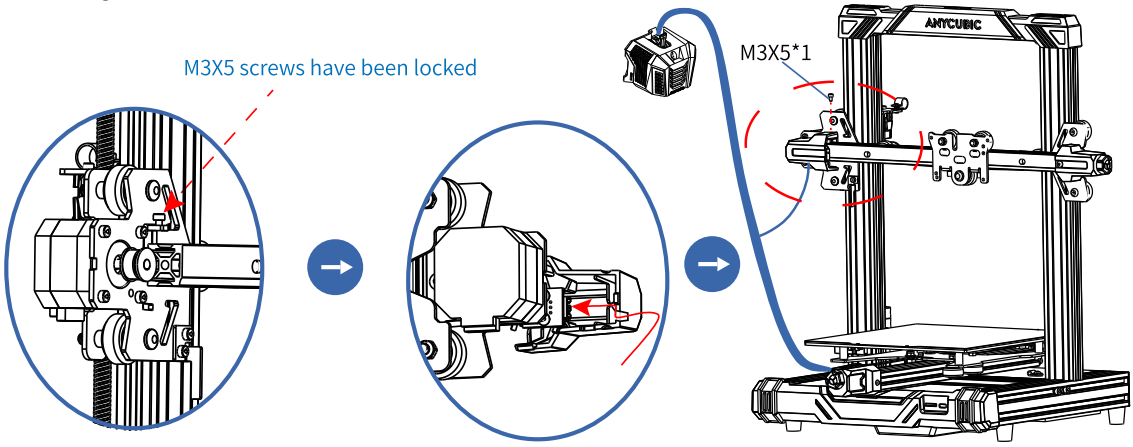


2.Install the X-axis limit switch

Steps:

1)First, unscrew the screw locked on the left bracket of the X-axis .
(The position shown in the figure.)

2) Install the X-axis limit switch module on the left bracket of the X-axis, and re-tighten the unscrewed screws.

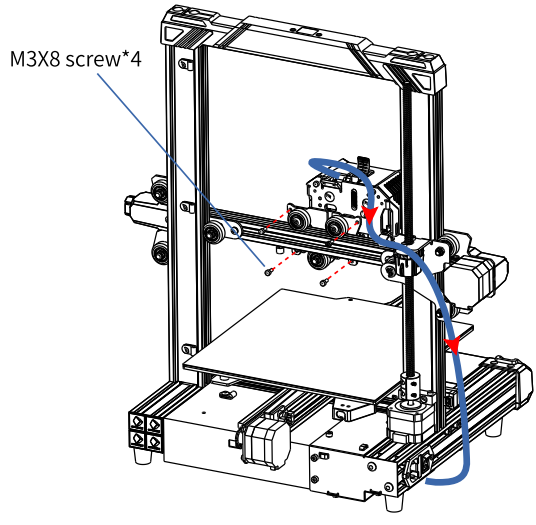


Note: Pay attention to the wiring of the X-axis limit switch, you need to clip the cable into the slot, and then tighten the screw.

3.Install print head

Note:

1) Pay attention to the wiring of the print head,as shown by the blue line.

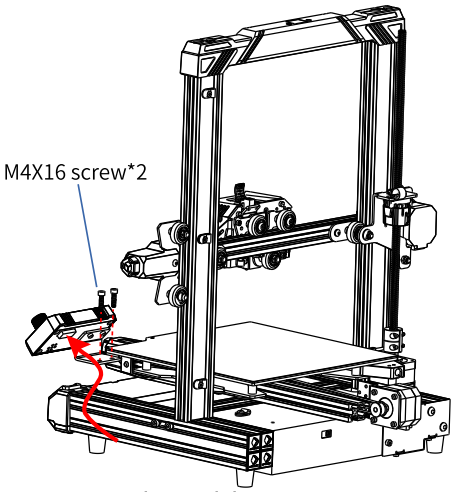


4.Install touchscreen.

Steps:

1) Use screws to mount the screen and base together.

2) Connect the display screen kit with screen cable.

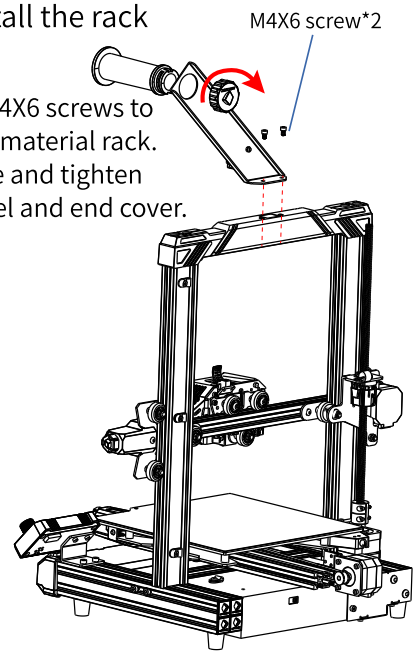


5.Install the rack

Steps:

1) Use M4X6 screws to lock the material rack.

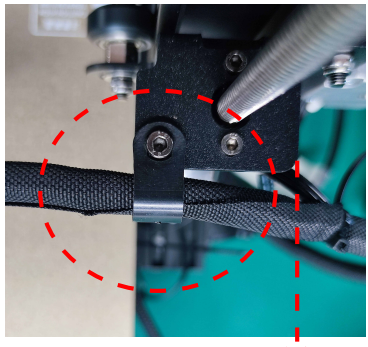
2) Rotate and tighten the barrel and end cover.



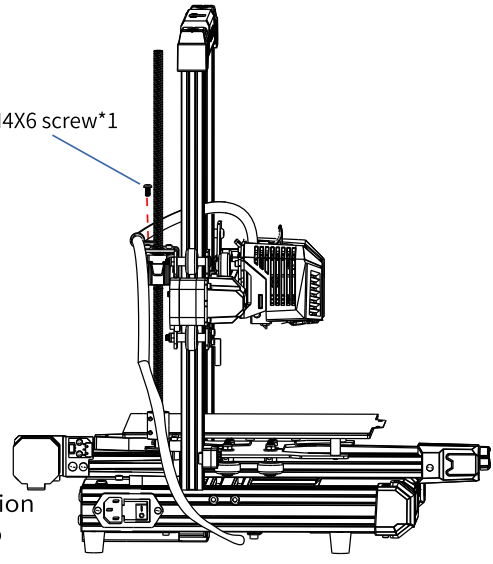
6.Secure the cable

Steps:

1) Move the print head to the end,then secure the print head harness into the bracket with an R type cable clamp and one M4 screw.

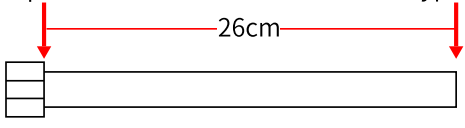


R-clamp installation direction.



The wiring position of the print head

The installation position of R type cable clamp

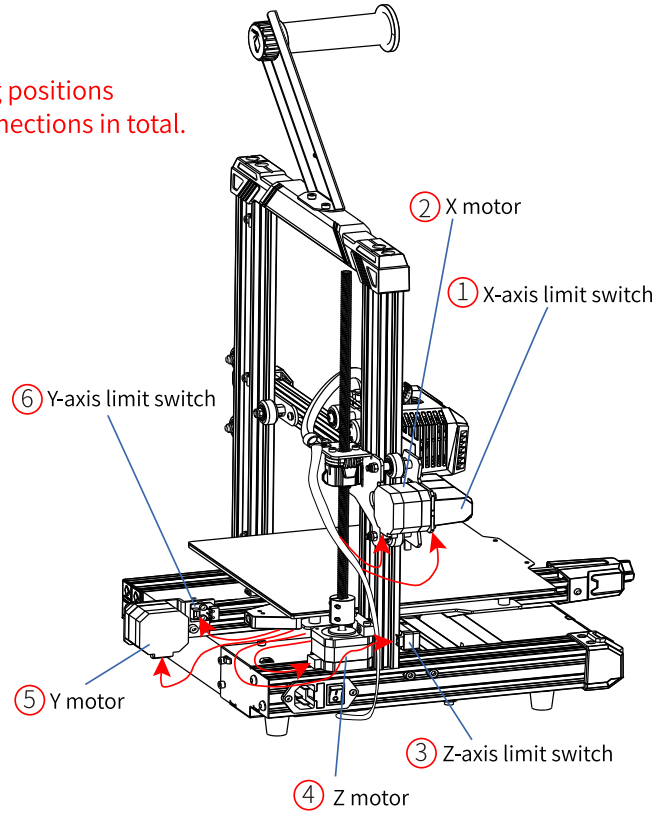


Pay attention to the fixed position of the print head harness. If the length shown above is less than 26cm, the print head harness may become loose or damaged after long-term use.

7.Wire connection

Note:

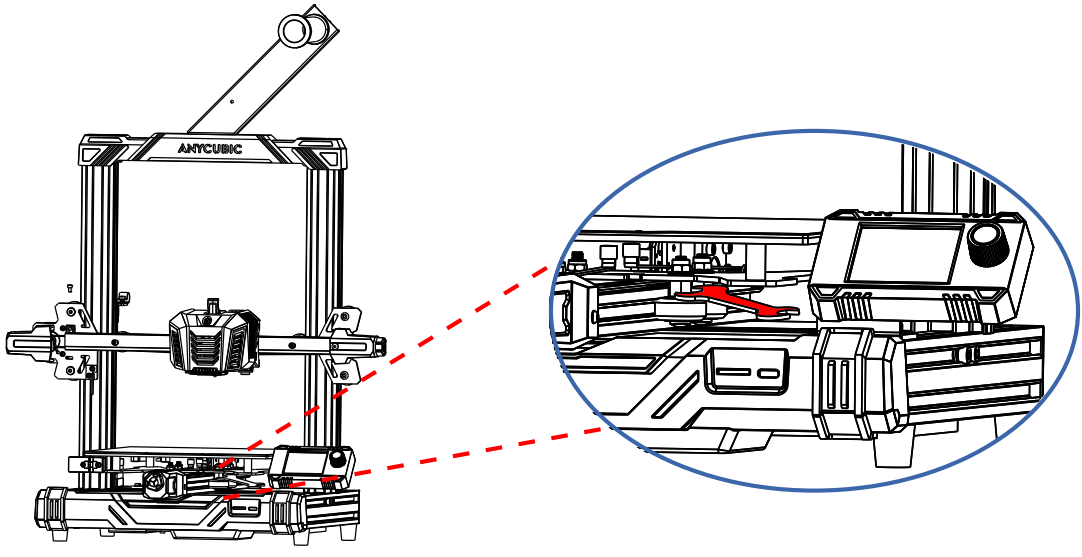
Connect the cables at the corresponding positions marked on the diagram. There are 6 connections in total.



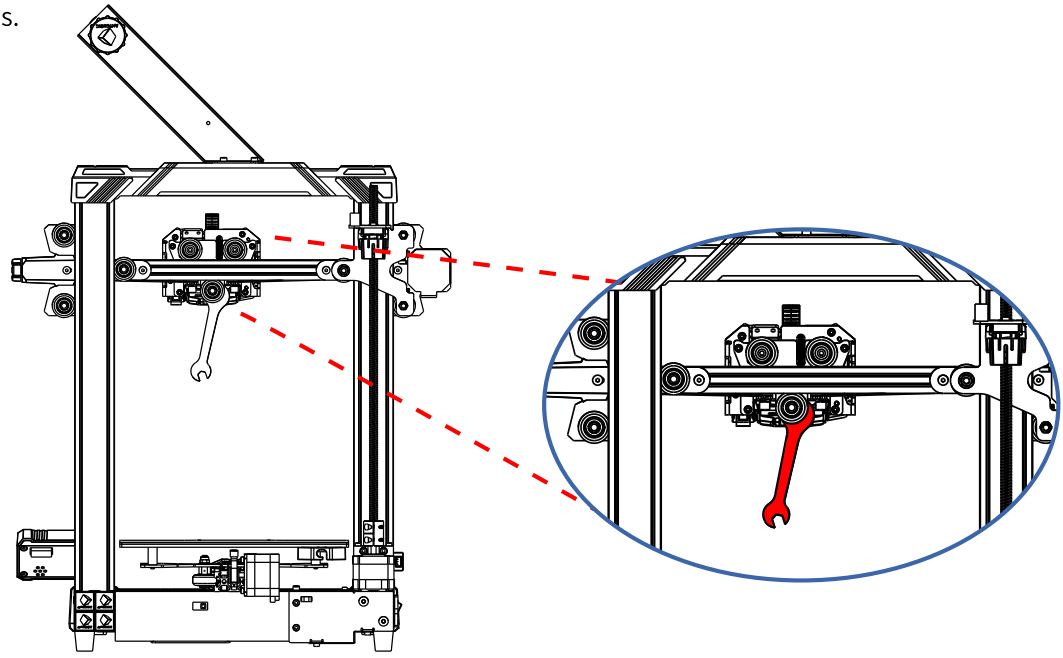
❸ Check before use

1.D-shape wheels

1) Y axis: Shake the printing platform manually.If it wobbles,tighten the two wheels by rotating the eccentric nuts with an open-end wrench until the platform does not wobble and moves smoothly along Y axis.



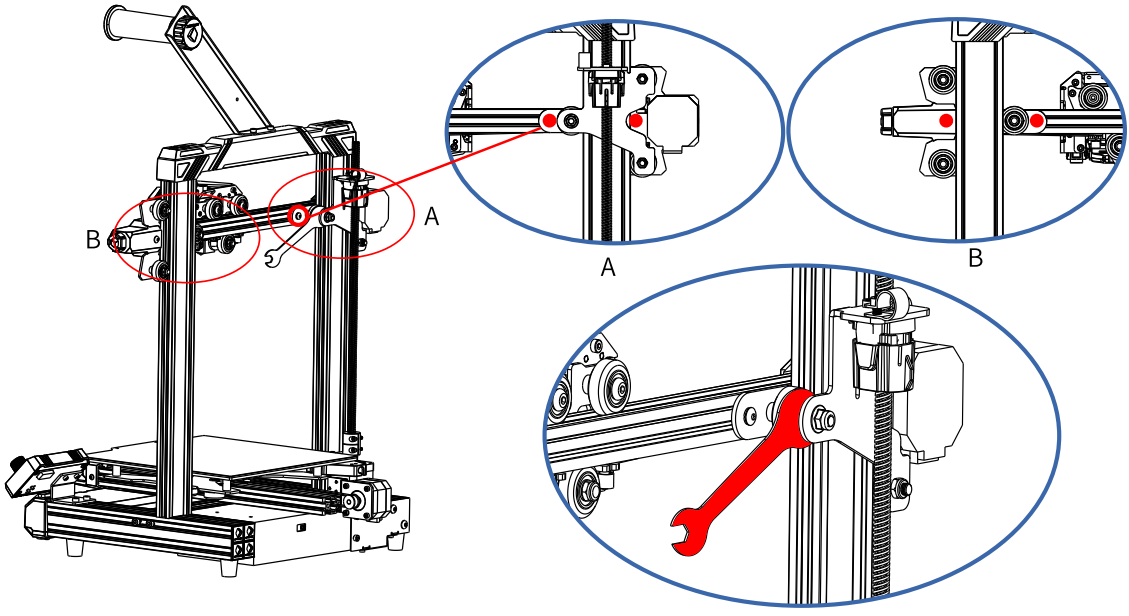
2) X axis：Shake the print head manually. If it wobbles,tighten the wheel by rotating the eccentric nut with an open-end wrench until the print head does not wobble and moves smoothly along X axis.



3) Z axis:Try to turn the Z-axis wheels without forcing them. If the wheels turn freely, refer to the steps below to adjust the tension of the wheels.

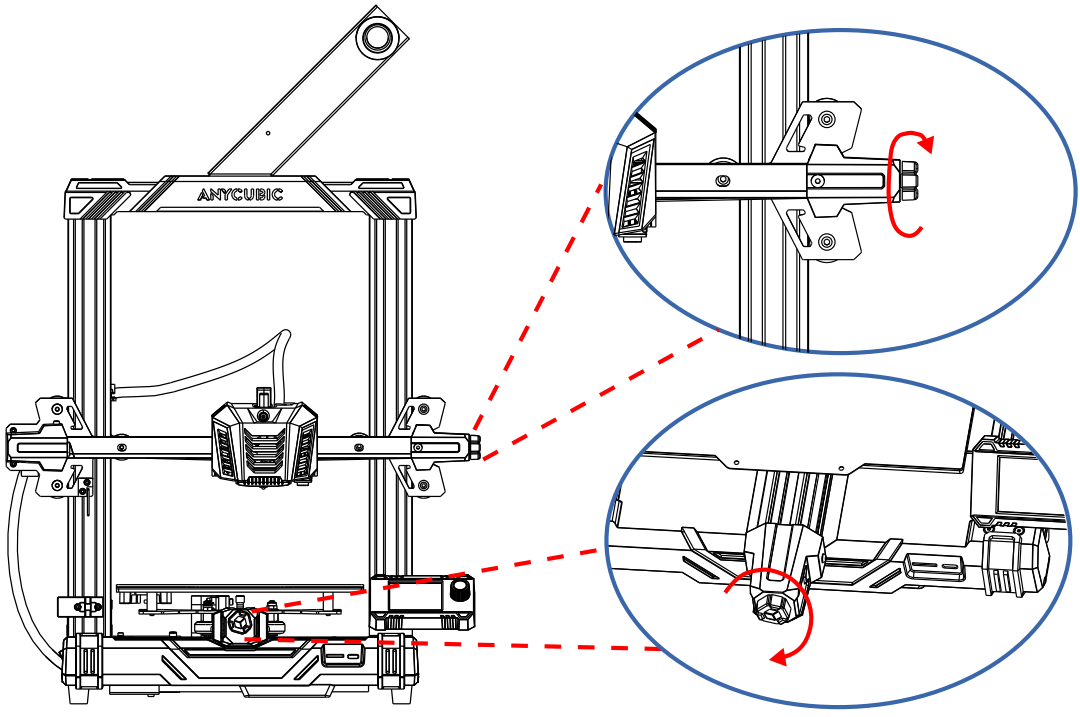
Steps:

1. Loosen the four screws on side A and side B before adjusting.
2. Use an open wrench to twist the eccentric cushion column of the D wheel on the A side until the D wheel is no longer idling and moves smoothly on the Z axis.
3. After adjusting, tighten the screws on side A.
4. Similarly, fix the two screws on side B after adjusting the D wheel on side B.



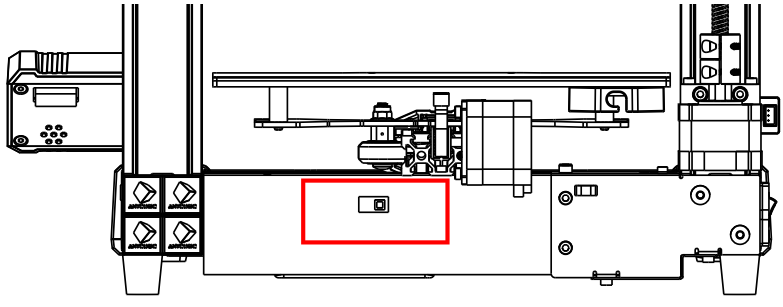
4) Belts

Please tighten the belt tensioners if the belts are loose.



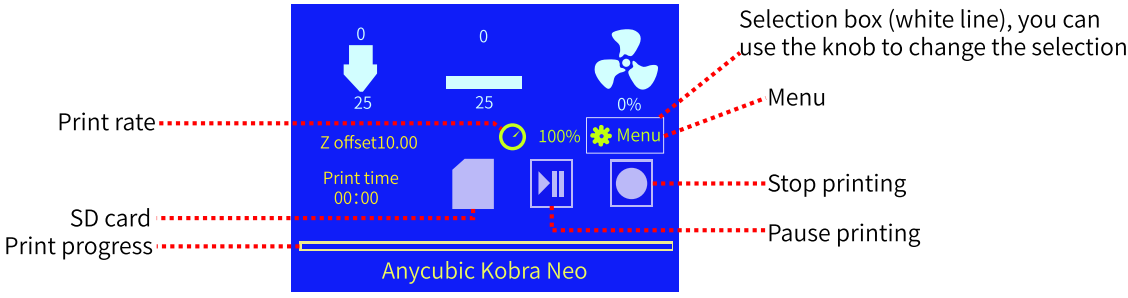
4 Leveling

1.Select the correct voltage mode according to your local voltage ratings (~110V or ~220V) before plugging in. The red switch is inside the power supply casing and 220V is a default setting.
Please adjust to the appropriate voltage range.



In some cases, 220V labeled as "230" , 110V labeled as “115".

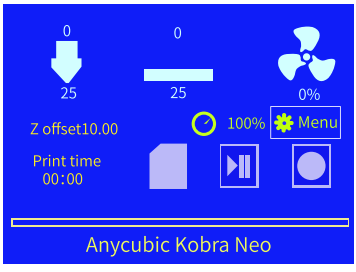
2. After power on, the machine screen will enter the information interface.

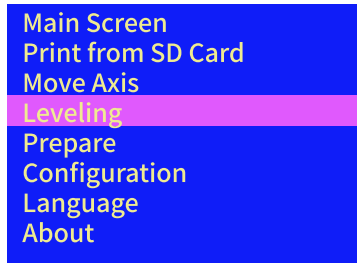


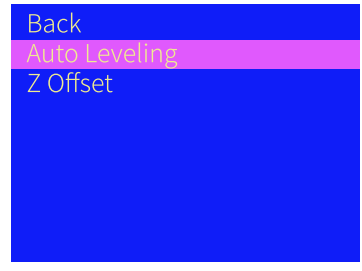
Main interface

3. Use the knob to select Menu on the setting page, then select Leveling , and then select Auto Leveling, the machine will enter the automatic leveling state.

Platform Warm Up - Begin Leveling - End Leveling



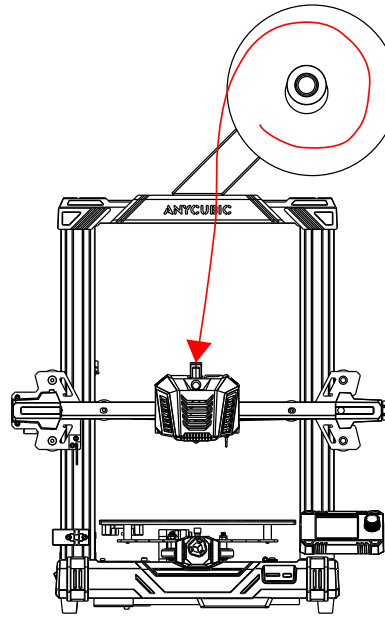




Note：Before leveling, please ensure that the platform and nozzle are clean and free of foreign matter to avoid affecting the leveling effect.

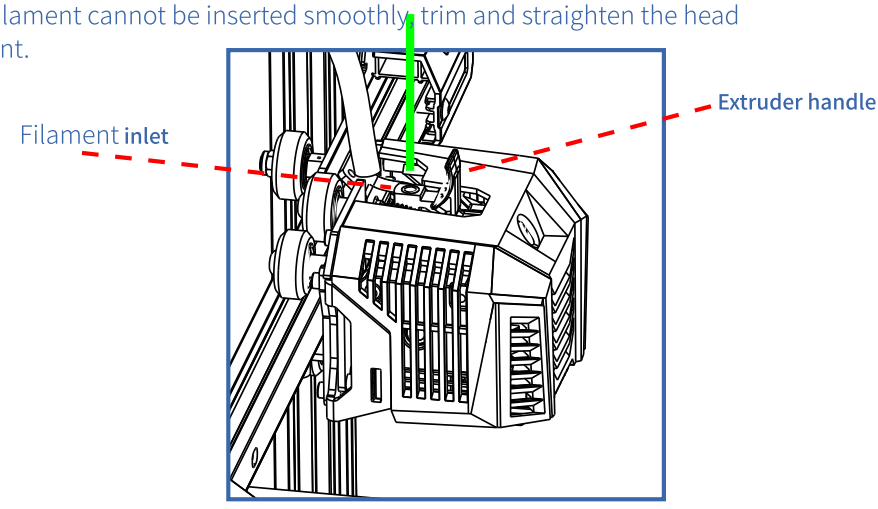
4. Place the filament roll on the filament rack.

(Note the direction of filament.)



5.Press the extruder handle to insert the filament into the printhead filament inlet .

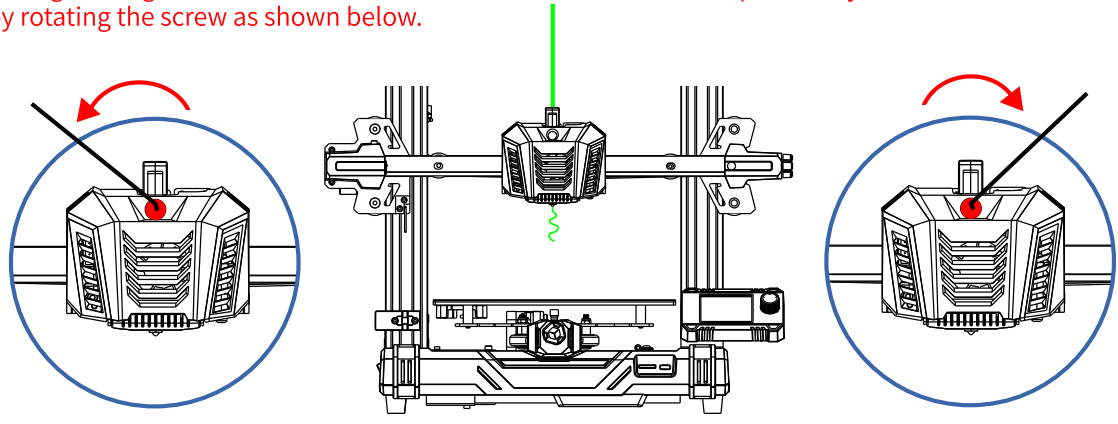
Note：If the filament cannot be inserted smoothly, trim and straighten the head of the filament.



6. Use the knob to select Menu on the setting page, then select Prepare, and then select Load Filament. The machine will enter the nozzle heating state. After the heating is completed, the machine will automatically enter the filament feeding state. After the filament are extruded smoothly, press the button to stop feeding and then clean up the nozzle residue.

Supplement:

During feeding, if the extruded filament is not smooth or too thin, please adjust the extrusion force by rotating the screw as shown below.



If the filament is not extruded or extrusion is not smooth, please increase the extrusion force by tightening the screw.

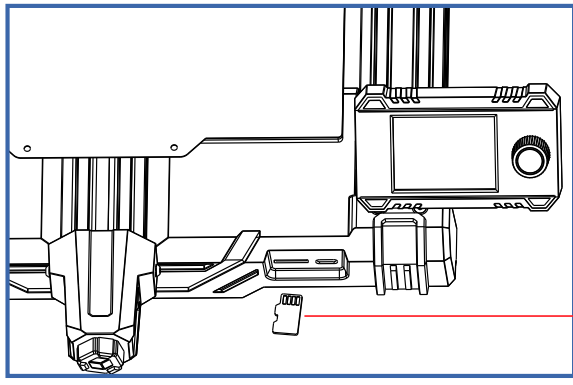
If the extruded filament is too thin, please reduce the extrusion force by loosening the screw.

7. Z axis compensation adjustment

Steps:

1) Insert the included memory card into the memory card slot at the base.

(Tip: To eject the SD card, please press it.)

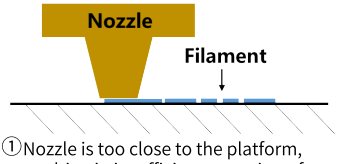


2) Select Menu on the main interface of the screen, and then select Print to enter the file list. Select the corresponding model, and then press the knob.

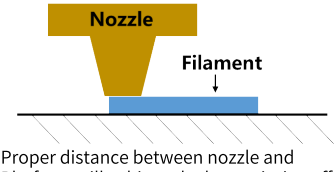
3) Printer starts printing when temperature reaches target value.

(Note: The nozzle will start heating after the heated bed reaches target temperature.)

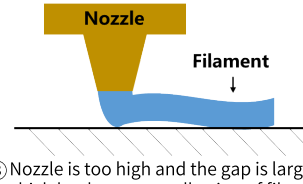
4)There might be three kinds of results for the first or second layer of the test print. Please fine-tune the height of the Z axis according to the adhesion between the filament and the platform.



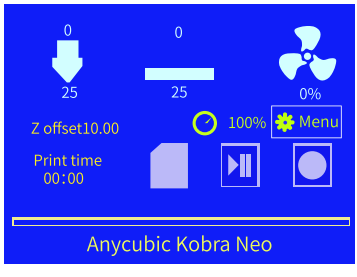
①Nozzle is too close to the platform, resulting in insufficient extrusion of filament.

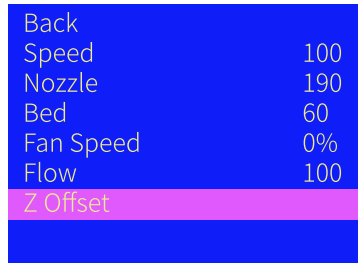


②Proper distance between nozzle and Platform will achieve the best printing effect.



③Nozzle is too high and the gap is large, which leads to poor adhesion of filament to the platform.





5) If this is the case ①, please click "Menu" → "Z Offset", turn the knob on the screen to the right to raise the height of the print head, and press the knob to save.

6) If this is the case ③, please click "Menu" → "Z Offset", turn the knob on the screen to the left to lower the height of the print head, and press the knob to save.

7) Adjust the Z-axis compensation to effect 2, and fine-tune the subsequent printing according to the actual situation.

❺ Printing

* After the above debugging is completed, please remove the residue on the hot bed and nozzle, and then you can start printing normally. If there is an abnormal situation during the debugging process that cannot be solved, please contact customer service for assistance.

* GCode file name should only contain English letters, underscore and space. File names containing special characters will not be recognized by the printer.

* In order to let the printer better recognize the GCode file in the memory card, you need to back up all the files in the memory card to the computer, and keep the memory card only for the GCode file. Please save all the GCode files in root directory of the memory card.

Steps:

1.Insert the included memory card into the memory card slot at the base.
(Tip: To eject the SD card, please press it.)

2.Select the corresponding model, and then press the knob. After the nozzle of the print head and the hot bed are heated to the target temperature, the machine automatically enters the printing state.

3.Bad results may occur when printing the first layer, please adjust the Z-axis compensation value according to different printing effects.

4.The nozzle and heated bed are still in high temperature when printing finishes. Make sure to wait for nozzle and heated bed to cool down before removing the model from the printing platform.

Note:

Refer to the full user manual in the memory card for online printing and offline printing.

❻ Model Slicing and Software Use

1. For model slicing and software use, please refer to the tutorial file on the memory card.

❼ Removing filament

Steps:

1.Use the knob to select Menu on the setting page, then select Prepare , and then select Unload Filament.

2.The machine will enter the heating state, after heating, the machine will automatically enter the unloading filament state.

3.After the filament pops up, press the knob to stop discharging the filament.

8 Attention

1.Anycubic 3D printer includes moving parts that may cause injury.
2.Anycubic 3D printer must not be exposed to water or rain.
3.Anycubic 3D printer generates high temperature. DO NOT touch the printing area during operation. Contact with extruded materials may cause burns.
4.Use high temperature resistant gloves when operating the product.
5.In case of emergency, please immediately cut off the power of the printer and contact the technical support.
6.This equipment is not suitable for use in locations where children are likely to be present.
7.The fuse rating for the printer is 250V 10A. Never replace the fuse with one of a higher amperage, otherwise it may cause fire.
8.The socket-outlet should be easily accessible.
9.If there are some tiny scratches on the aluminum beams or slight unevenness on the platform, it is normal and won't affect the printing quality.

EC REP

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