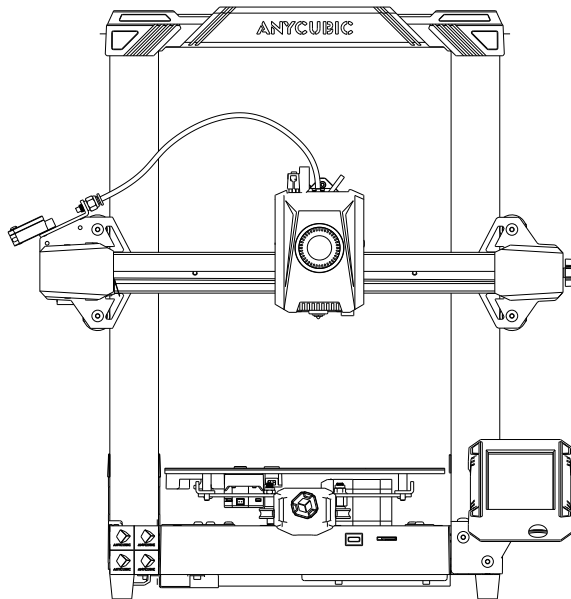




Anycubic Kobra 2

User Manual



The product picture is for reference only. Please refer to the actual product.

Dear customer,

Thank you for choosing **ANYCUBIC** products.

Maybe you are familiar with 3D printing technology or have purchased **ANYCUBIC** printers before, but we still highly recommend that you read this manual carefully. The installation techniques and precautions in this manual can help you avoid any unnecessary damage or frustration.

Please visit <https://support.anycubic.com/> to contact us if you have any question. You can also gain more information such as software, videos, models from the website.



Help center

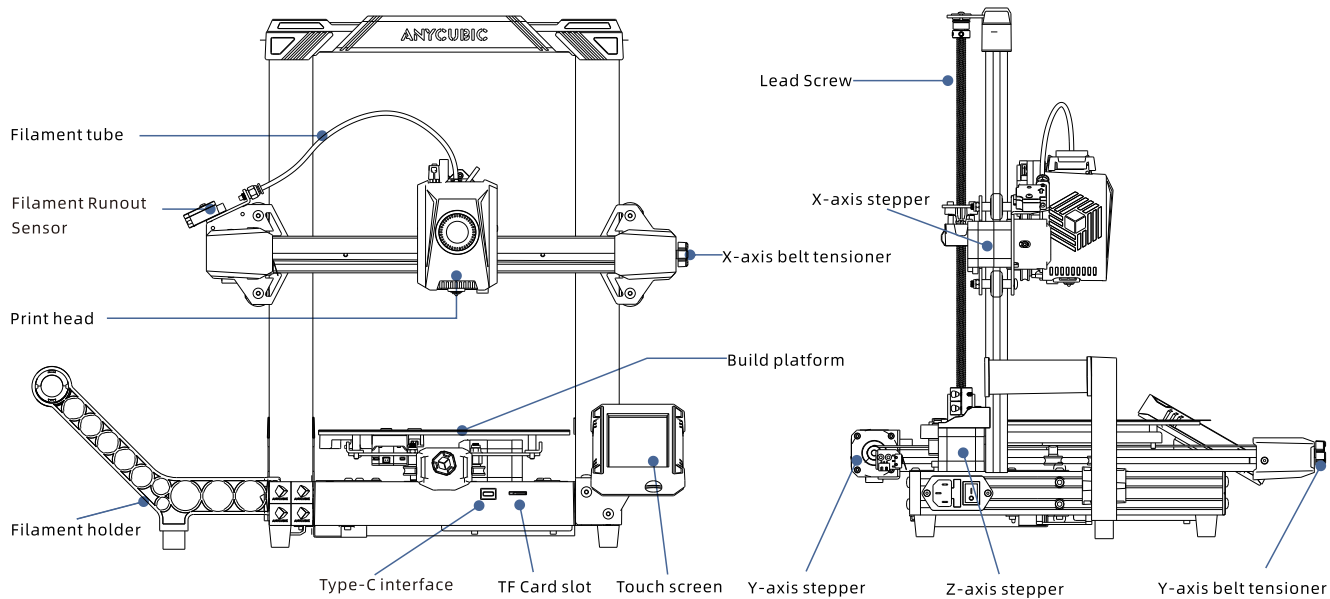


ANYCUBIC Support Center

Team **ANYCUBIC**

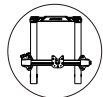
Copyrighted by "Shenzhen Anycubic Technology Co., Ltd ", all rights reserved.

Product Overview

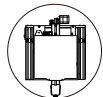


Packing List

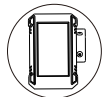
The following pictures are for reference only. Please refer to the actual object.



1



2



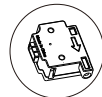
3



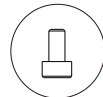
4



5



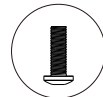
6



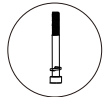
M3*6
(4pcs)



M5*6
(2pcs)



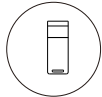
M5*14
(1pcs)



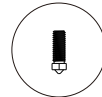
M5*45
(4pcs)



Memory Card
(1pcs)



Card reader
(1pcs)



Spare nozzle
(1pcs)



Power cord
(1pcs)



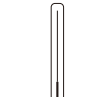
Retaining clamp
(3pcs)



Wrench
(1 set)



4.0/3.0/2.5/2.0/1.5



Nozzle Cleaner



Filament

Technical Specification

Printing

Technology:FDM (Fused Deposition Modeling)

Build Size:220 mm (L) × 220 mm (W) × 250mm (H)

Layer Thickness:0.05 - 0.3 mm

Positioning Accuracy:X / Y / Z 0.0125 / 0.0125 / 0.0025 mm

Extruder Quantity:Single

Nozzle Diameter:0.4 mm

Supported Materials:PLA/TPU/PETG/ABS etc

Temperature

Ambient Operating Temperature:8 °C - 40 °C

Operational Extruder Temperature:Max 260 °C

Operational Print Bed Temperature :Max 110 °C

Software

Slicing Software:Cura/PrusaSlicer

Software Input Formats: .STL/.OBJ

Software Output Formats:GCode

Connectivity:Memory card; Tpye-c cable

Electrical

Power Input:110 V / 220 V AC, 50 / 60 Hz

Rated Power:400 W

Physical Dimensions

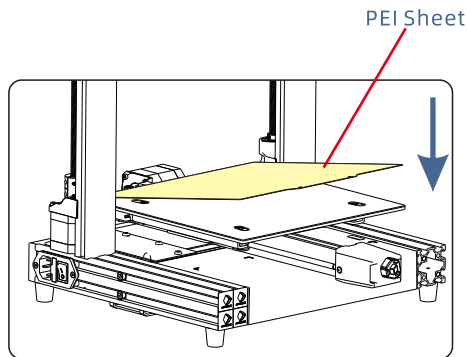
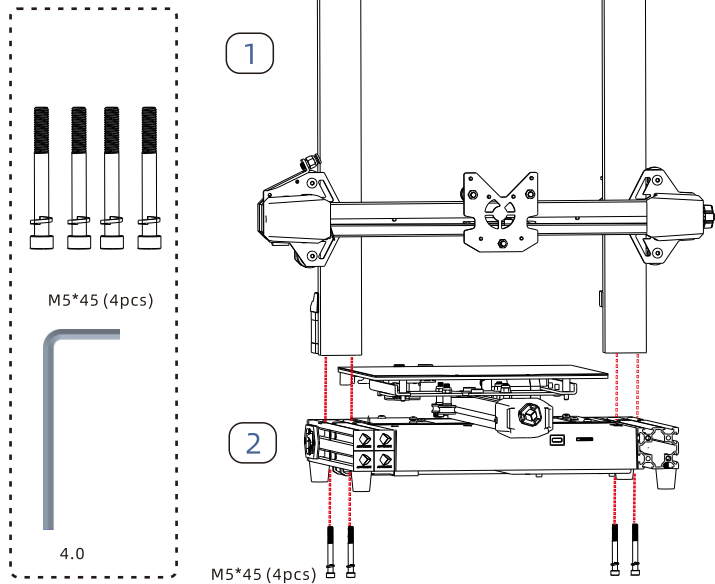
Printer Dimensions:440mm (L) × 435 mm (W) × 486 mm (H)

Net Weight:~8.4 kg

Machine Installation

01 Install frame

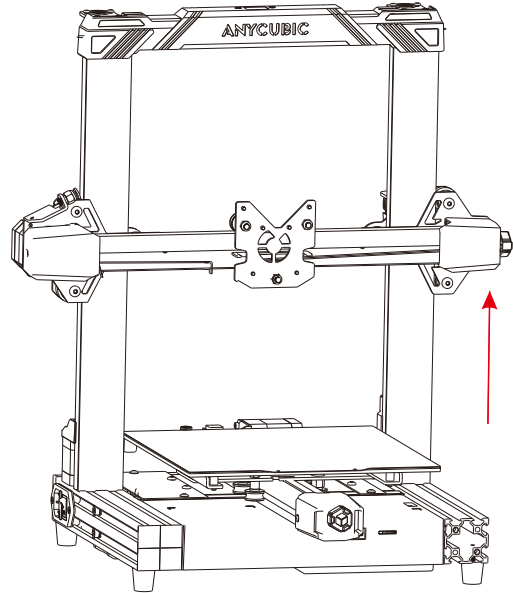
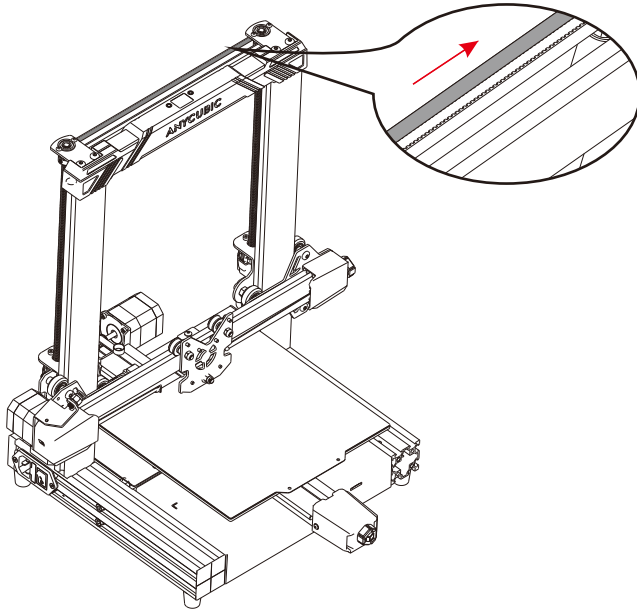
The TF card of the machine comes with an instruction video.



Note: Please install PEI sheet.

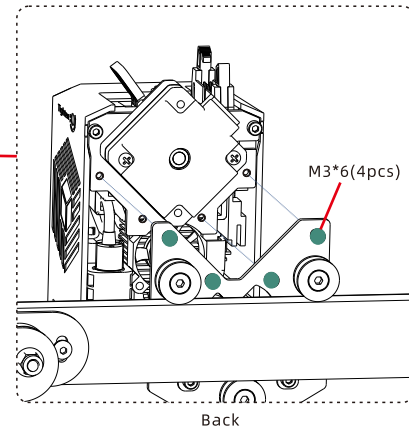
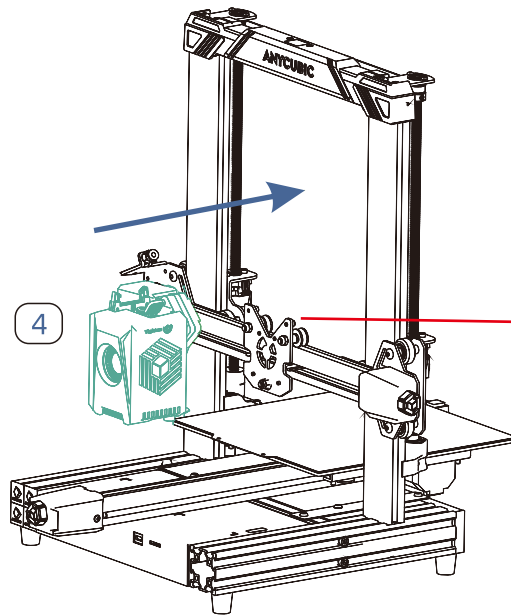
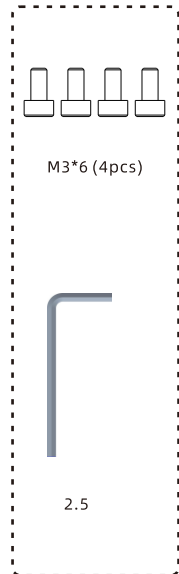
02 Install print head

Step 1: Pull the belt to raise the X-axis module.

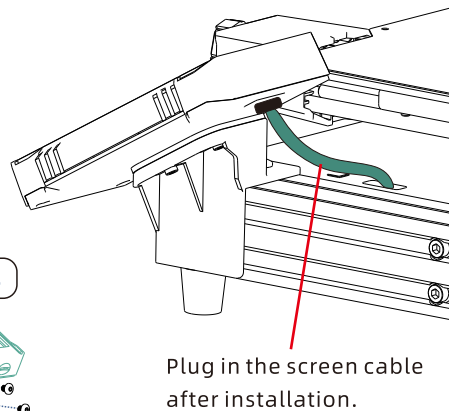
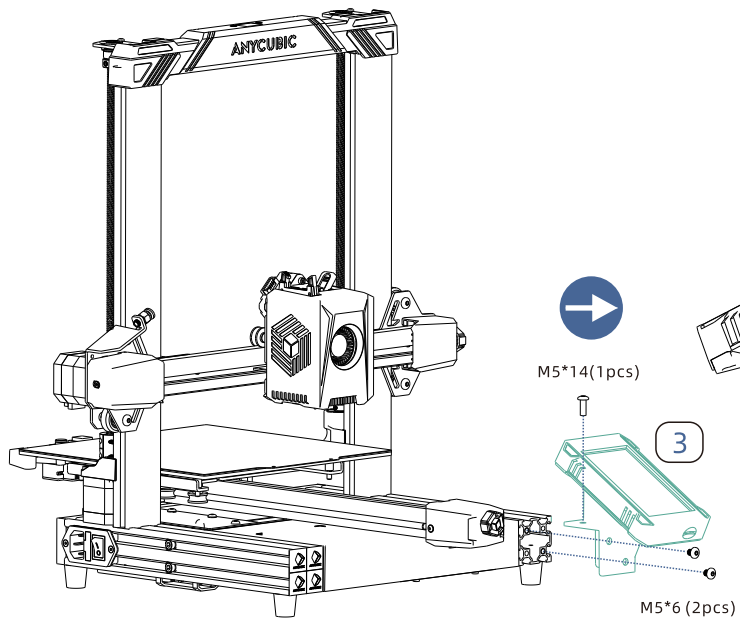
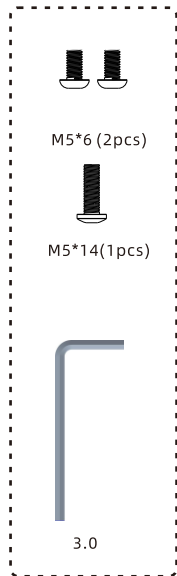


02 Install print head

Step 2: Secure the print head with screws.

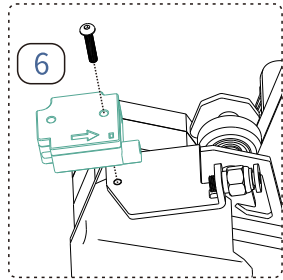


03 Install touch screen



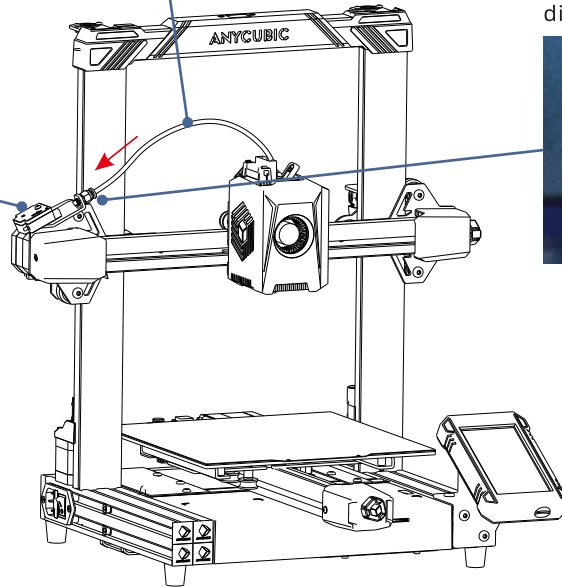
04 Install filament runout sensor

Step 1: Use screws to secure the filament runout detection in the position indicated in the diagram.

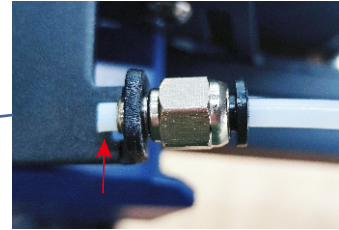


2.0

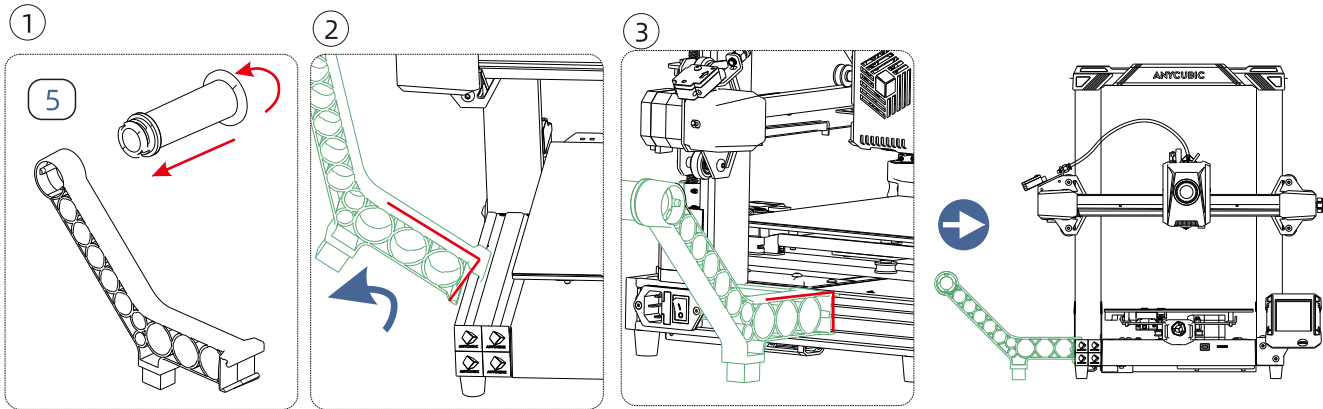
Filament Tube



Step 2: Insert the filament tube in the direction indicated in the diagram.

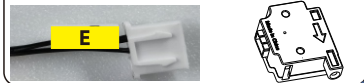


05 Install filament holder



06 Wiring

① Filament runout sensor



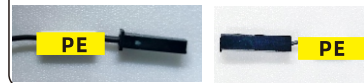
② X-axis stepper



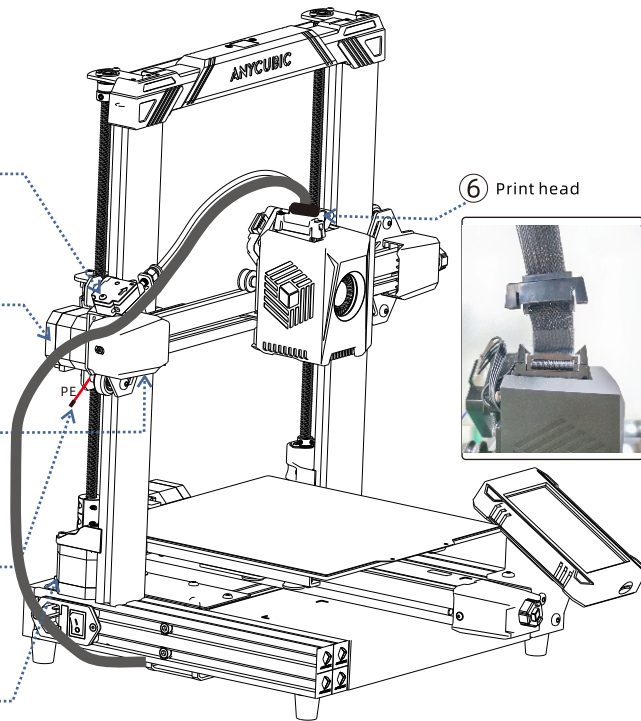
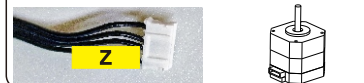
③ X-axis limit switch



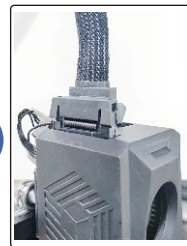
④



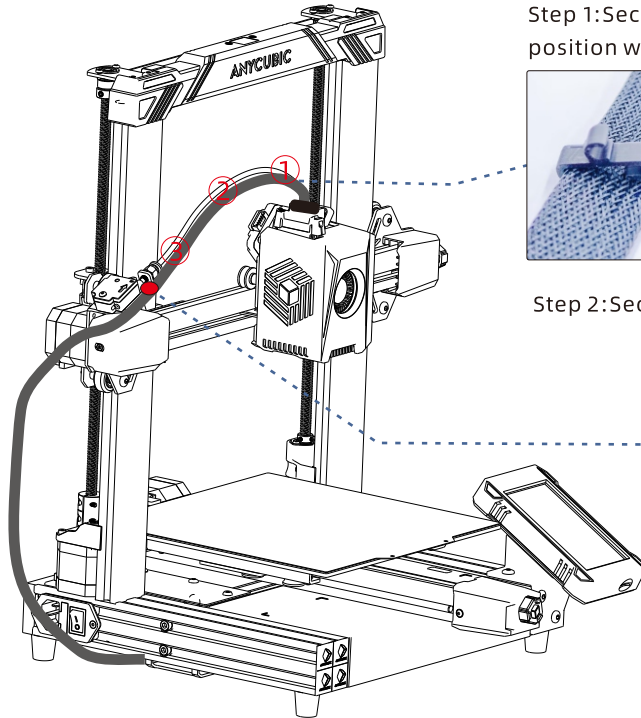
⑤ Z-axis stepper



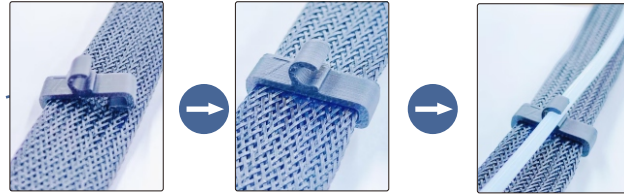
⑥ Print head



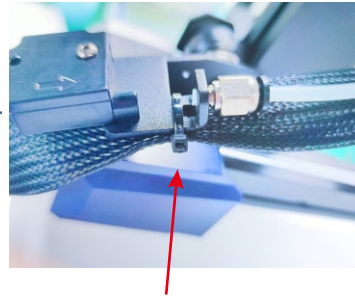
06 Wiring



Step 1: Secure the cables and filament tube at the indicated position with a retaining clamp.



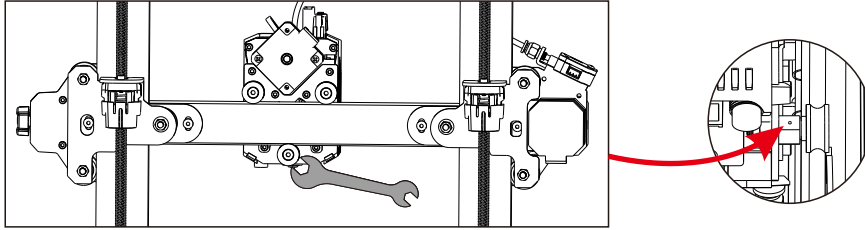
Step 2: Secure the cables at the indicated position using zip ties.



Check Before Use

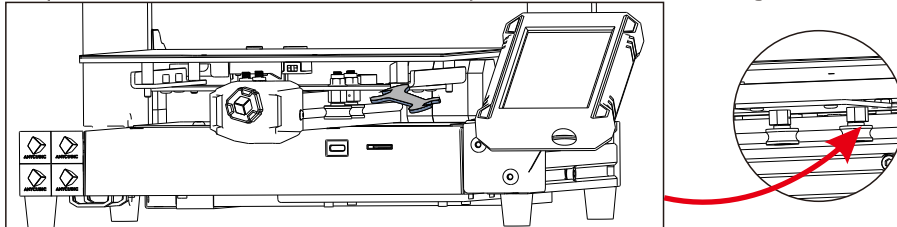
1. Pulley elastic adjustment

Check if the print head is shaking. If it is, adjust the hexagonal isolation column located underneath the print head until it slides smoothly and without shaking.



Print head

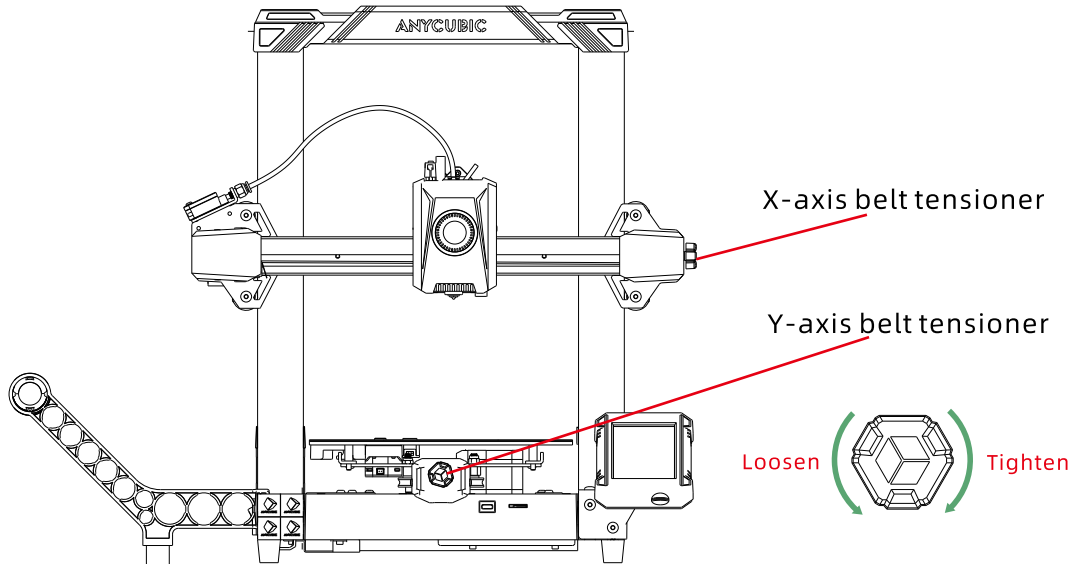
Check if the print bed is shaking. If it is, adjust the hexagonal isolation column located underneath the print bed until it slides smoothly and without shaking.



Platform

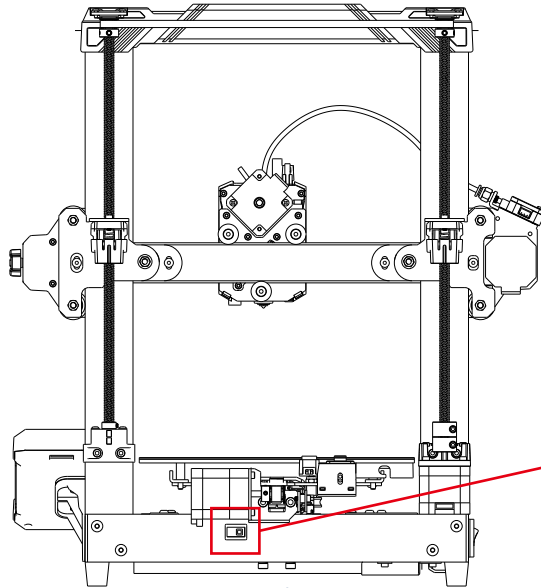
2.Belts

Please manually move the print head and print platform. If there is any difficulty or abnormal noise during the movement, adjust the tensioner to ensure smooth sliding of the print head or platform.

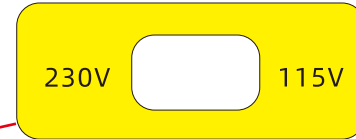


3.Voltage adjustment

Please confirm whether the input mode of the voltage of the power box is correct, and adjust to the appropriate voltage level according to the local voltage usage.



Back

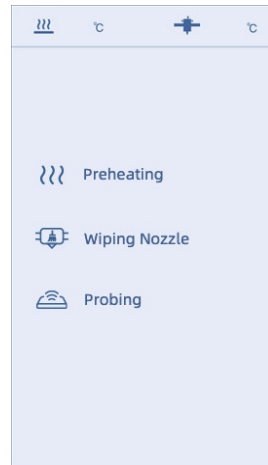
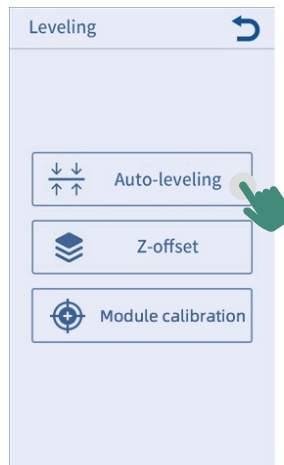
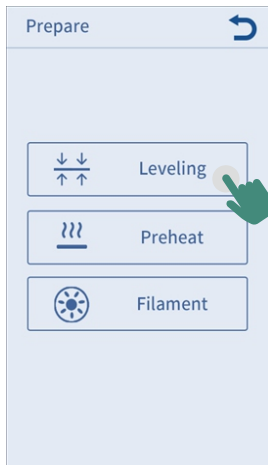


The one shown as "230" is suitable for 220V-240V,
The one shown as "115" is suitable for 110V-120V.

Leveling

1. Connect the printer to a power outlet with the power cable, then power on the printer.
2. Click on the screen [Prepare] - [Leveling] - [Auto Leveling]. Wait for the machine to be leveled.

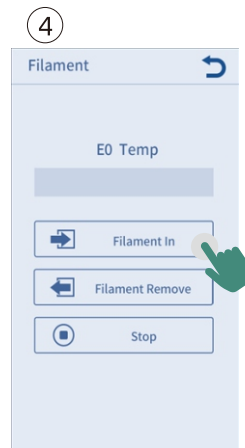
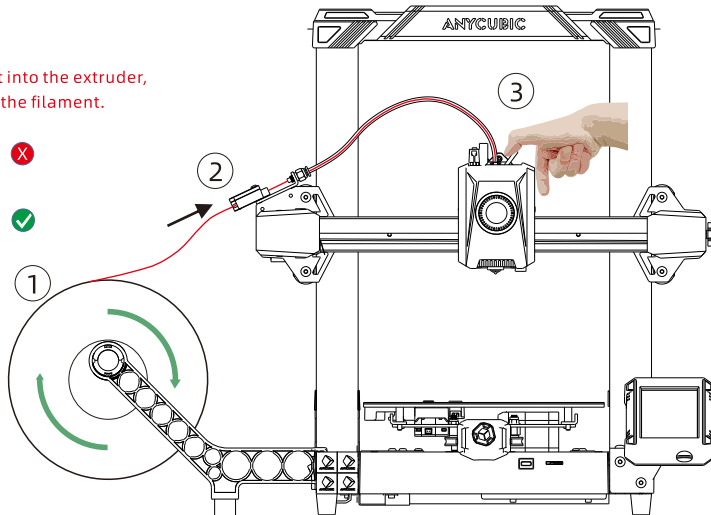
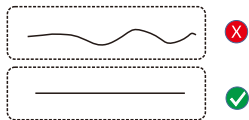
- 1) Please check whether the PEI board is installed before leveling.
- 2) The leveling sensor is only used for platforms with metal surfaces. If you replace the printing platform by yourself, please choose a platform with a metal surface to ensure the normal use of the automatic leveling function.



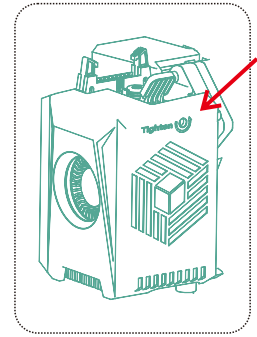
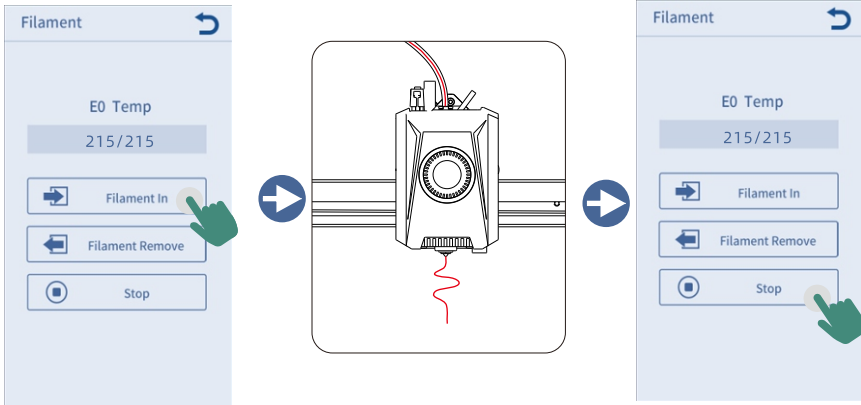
Loading Filament

1. Put the filament onto the spool holder.
2. Insert the filament into the extruder until you feel some resistance. While doing so, press and hold the button on top of the extruder.
3. Go back to the main menu, click on [Prepare]-[Filament]-[Load Filament], click "OK", and the nozzle will start to heat up.

Note: Before inserting the filament into the extruder, make sure to straighten the end of the filament.



4. Once the nozzle temperature has reached 215°C, click "Load Filament" again.
5. Wait for the filament to extrude from the nozzle.
6. Click "Stop" to end the filament loading process.



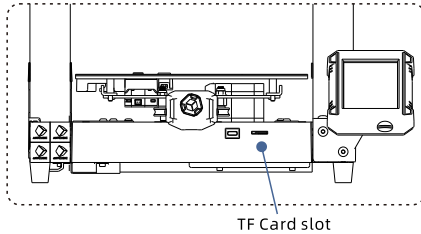
2.5

Note: If filament feeding is not smooth or consistent, please adjust the extrusion force of the extruder.

Start printing---First layer test

The Anycubic Kobra 2 will intelligently generate the Z-Offset after leveling is completed. However, due to individual device variations, the recommended compensation value may differ. Users can fine-tune the Z-Offset according to the following steps.

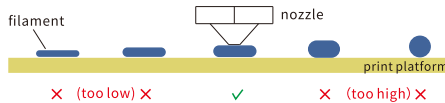
1) Insert the TF card into the printer's card slot.



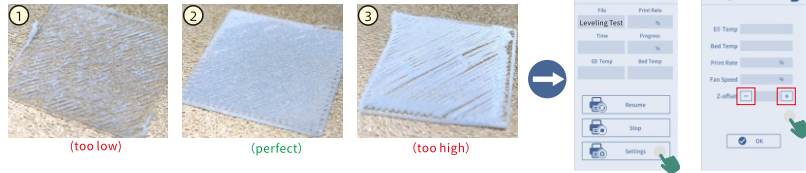
2) Click on [Print] in the main menu and select [Leveling Test].



3) After the nozzle and hotbed have heated up to the set temperature, a simple model will be printed to check if the current Z-Offset is suitable. Please fine-tune the Z-Offset according to the specific phenomenon until you see that the consumables are well stuck on the printing platform. Click [OK] to complete the test.



Note: Incorrect Z-Offset settings can cause various problems. If the nozzle is too far from the printing platform, you may face the risk of the print not adhering properly. On the other hand, if the height is too low, you may encounter extrusion problems and clogging, poor print quality, and even damage to the printing platform.



- 1 If the nozzle is too close to the print platform and there is scraping or very little extrusion, please click **[+]** to raise the height of the nozzle.
- 2 The nozzle is at a moderate height from the print platform, the consumables are firmly adhered and no adjustment is needed.
- 3 If the nozzle is too far from the print platform and the filament is detached from the platform or not firmly attached, please click **[-]** to lower the height of the nozzle.

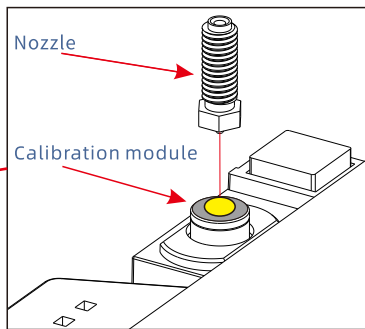
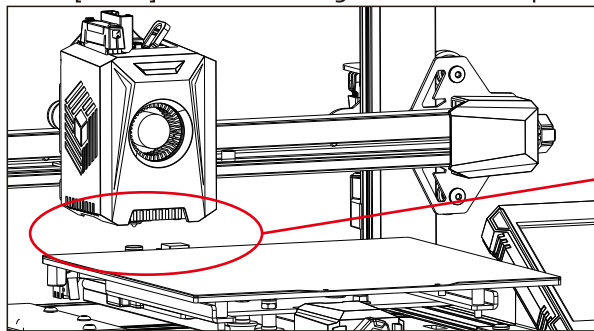
Trouble Shooting

If there is a leveling anomaly, please follow the steps below to check:

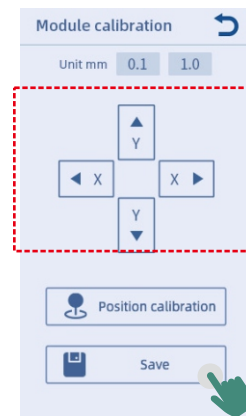
- 1) Shut down the machine and check whether the wiring of the leveling and calibration module falls off.
- 2) Restart the machine, click on the screen, and the machine will automatically detect and move close to the calibration module. Select [Prepare] - [Level] - [Module Calibration] - [Position Calibration]. Move the nozzle to the center point of the calibration module using the X and Y axis on the screen, then click [Save] and level it again after completion.

Leveling is abnormal, please check whether the wiring of the calibration module or the X/Y coordinates are normal.

OK



The shown nozzle is on the print head and some parts are left out for better display.



Attention

1. Anycubic 3D printer generates high temperature. DO NOT reach inside of the printer during operation. Contact with extruded materials may cause burns.
2. Use high temperature resistant gloves when operating the product.
3. This equipment is not suitable for use in locations where children are likely to be present.
4. The fuse rating for the printer is 250V 10A. Never replace the fuse with one of a higher amperage, otherwise it may cause fire.
5. The socket-outlet shall be easily accessible.

If the above problems cannot be solved, please initiate consultation in our after-sales service system, and our engineers will reply you in the form of email within one working day.

(<https://support.anycubic.com/>)



Warm tips:

1. Fill in the information based on the SN of the corresponding model. The items with red dots are mandatory.
2. If the order is successful, you will soon receive a reply from the after-sales service system in your mailbox.
3. If you successfully place an order but do not receive an email, please watch out for spam.
4. If the order creation fails, please pay attention to the pop-up reminder on the web page.



Name: Pegasus Trading GmbH
Add: Sperberweg 4G Neuss NRW 41468 Germany
Contact: Wells
Tel: +49 16098658323
E-mail: info@apex-ce.com



Name: APEX CE SPECIALISTS LIMITED
Add: 89 Princess Street, Manchester, M1 4HT, UK
Contact: Wells
Tel: +44 161 637 1080
E-mail: info@apex-ce.com



M02030306