

© User Manual

**4-MAX PRO 2.0**

Dear Customer,

Thank you for choosing **ANYCUBIC** products.

Maybe you are familiar with 3D printing technology or have purchased **ANYCUBIC** printers before, 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 first time frustration.

More information please refer to :

1. <http://www.anycubic.com/>

**ANYCUBIC** website provides software, **tutorials**, models, **after-sale service**, etc.

Please visit the website for technical support and we are likely to answer or solve all the questions for you!

2. Facebook page and Youtube channel links are shown below.



**ANYCUBIC** Website



Facebook page



Youtube channel

Team **ANYCUBIC**

## Safety instruction

Always follow the safety instructions during assembly and usage, to avoid any unnecessary damage to the 3d printer or individual injury.



Please contact our customer service first if you have any issue after receiving the products.



Be cautious when using the scraper. Never direct the scraper towards your hand.



In case of emergency, please immediately cut off the power of **ANYCUBIC** 3D printer and contact the technical support.



**ANYCUBIC** 3D printer includes moving parts that can cause injury.



It is recommended to use protection glasses when cleaning/sanding the printed models to avoid small particles contacting eyes.



Keep the **ANYCUBIC** 3D printer and its accessories out of the reach of children.



Vapors or fumes may be irritating at operating temperature. Always use the **ANYCUBIC** 3D printer in an open and well ventilated area.



**ANYCUBIC** 3D printer must not be exposed to water or rain.



**ANYCUBIC** 3D printer is designed to be used within ambient temperature ranging 8°C-40°C, and humidity ranging 20%-50%. Working outside those limits may result in low quality printing.



Do not disassemble **ANYCUBIC** 3D printer, please contact technical support if you have any question.



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# Technical Specification

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## Printing

Technology:	FDM (Fused Deposition Modeling)
Build Size:	270mm(L)*210mm(W) * 190mm(H)
Print accuracy:	0.05-0.3 mm
Positioning Accuracy:	X/Y/Z 0.01/0.0125/0.00125mm
Extruder Quantity:	Single
Nozzle Diameter:	0.4 mm
Print Speed:	20~80mm/s (suggested 50mm/s)
Supported Materials:	PLA, ABS, etc

## Temperature

Ambient Operating Temperature:	8°C - 40°C
Operational Extruder Temperature:	max 260°C (Set 205°C for PLA, set 245°C for ABS, set 215°C for PLA)
Operational Print Bed Temperature:	max 100°C (Set 60°C for PLA, set 100°C for ABS, set 60°C for PLA)

## Software

Slicer Software:	Cura, Simplify3D, Repetier-HOST
Software Input Formats:	.STL, .OBJ, .JPG, PNG
Software Output Formats:	GCode
Connectivity: <sup>1</sup>	Memory card; Data cable(expert users only)



## Electrical

Input rating:	110V/220V AC, 50/60Hz
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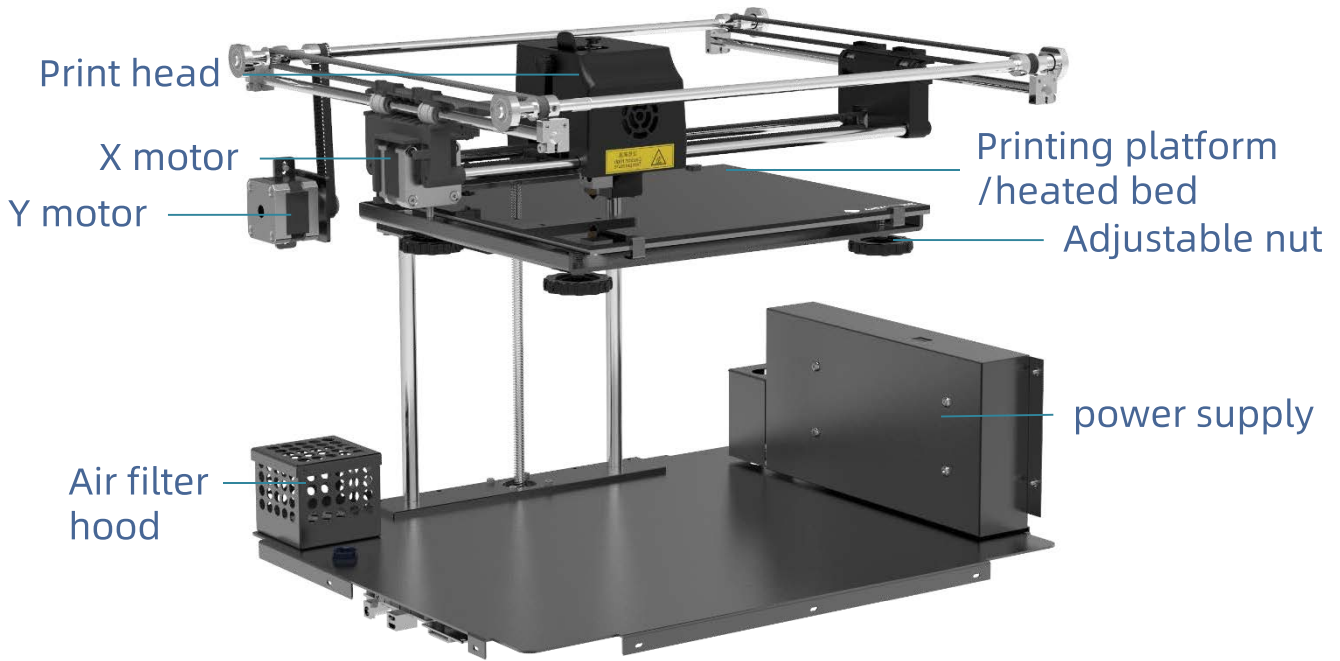
## Physical Dimensions

Printer Dimensions:	454mm*466mm*410mm
Net Weight:	~18.8kg

# Packing list

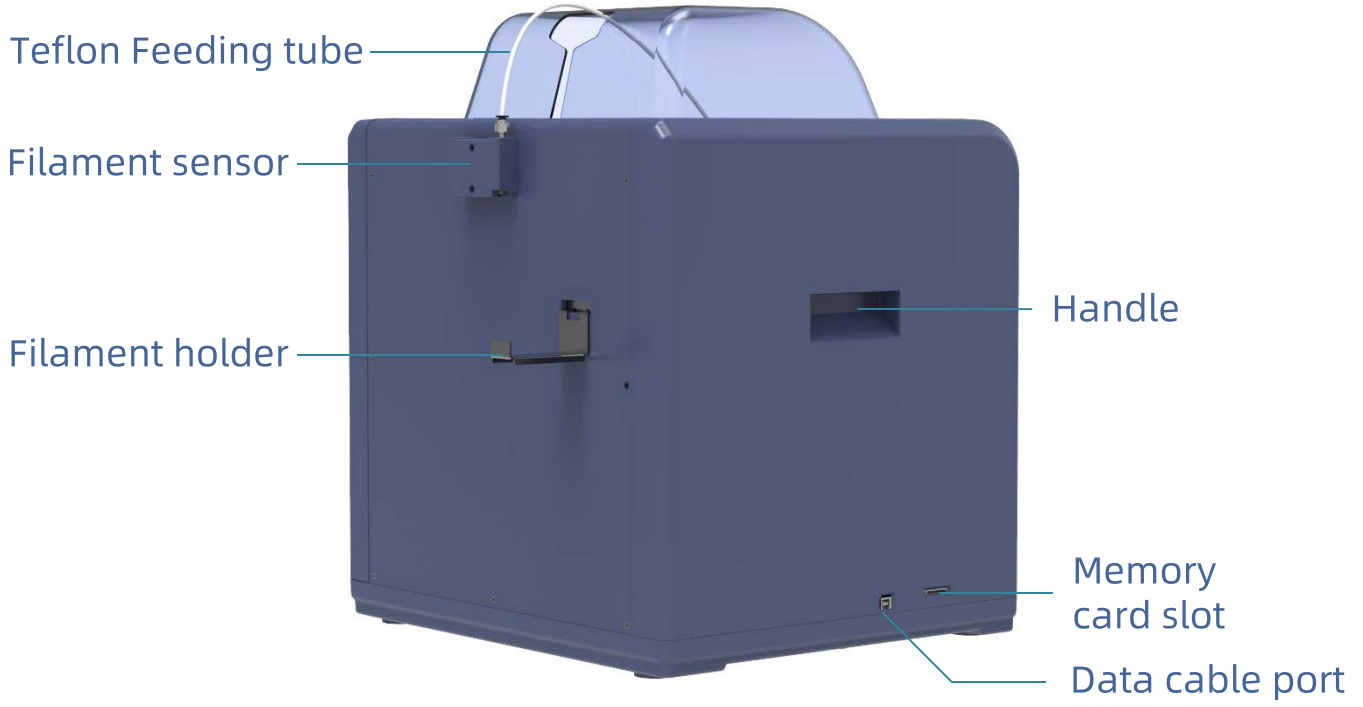
		
	<p>Tool kit 1 unit</p>	<p>Assembly Instruction 1PCS</p>
		
<p>4Max Pro2.0</p>	<p>Limit switch 1PCS</p>	<p>Power cord 1PCS</p>
		
<p>Data cable 1PCS</p>	<p>Spatula 1PCS</p>	<p>Card reader 1PCS</p>
		
<p>Gift filament 1PCS</p>	<p>Filament holder 1 Unit</p>	<p>Extra Nozzle Kit 1PCS</p>
		
<p>Tweezers&amp; Nozzle cleaning needles 1 PCS each</p>	<p>Plier 1 PCS</p>	<p>Memory card 1 PCS</p>
		
<p>Filament sensor 1PCS M3*16 screw 2PCS</p>	<p>Top cover 1 PCS</p>	<p>After sale service card 1PCS</p>

# Product Overview



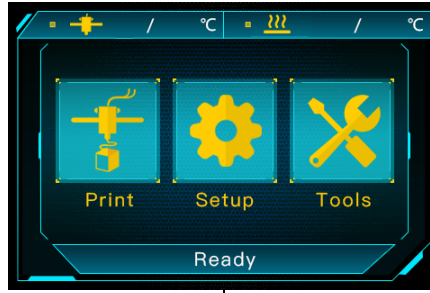
# Product Overview

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# Menu Directory

## Home menu



## Print



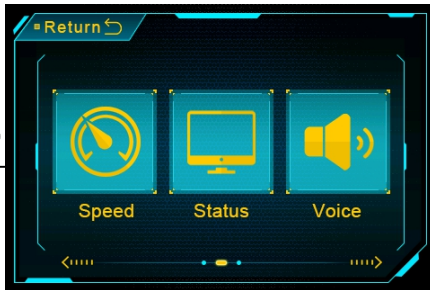
## Setup



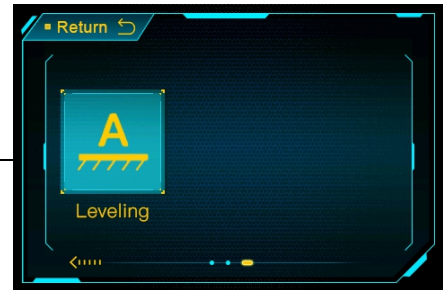
## Tools



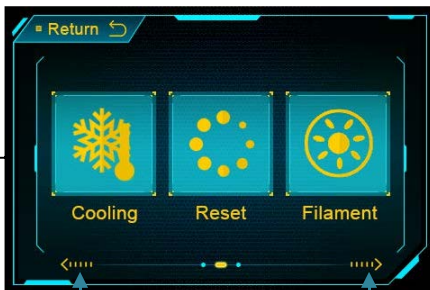
## Setup



## Setup



## Tools



## Tools



Previous page

Next page

# Menu Directory

## Home menu

Nozzle Temp /Target Temp

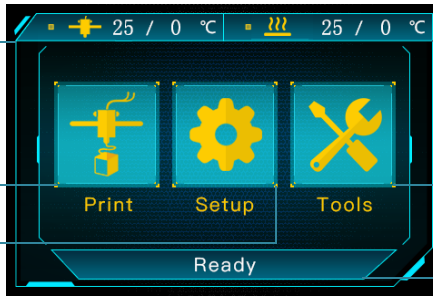
Heated bed Temp/  
Target Temp

Enter the print list

Enter the setup list

Enter the tools list

Printer status



## Print

Return to the home menu

File list

Print the selected files  
in memory card

Page up

Page down

Refresh the list

Resume form outage (only valid  
for offline print via memory card)



## Setup

**Language:** Change language (English/Chinese)

**Temperature:**

Reduce nozzle Temp

Raise nozzle Temp

Current nozzle Temp

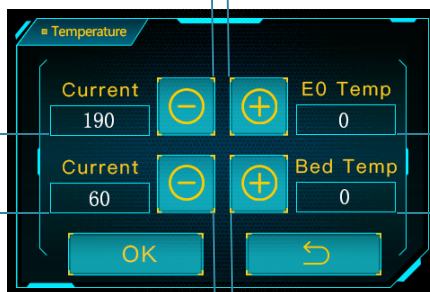
Current heated bed Temp

Click to set nozzle  
Temp(170-260°C)

Click to set heated bed  
Temp(0-100°C)

Reduce heated bed Temp

Raise heated bed Temp



# Menu Directory

**Motor:** Disable all motors (only valid when machine is not printing)

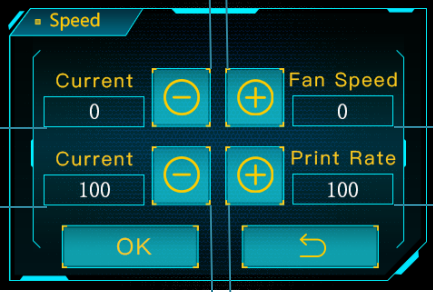
**Speed:**

Decrease fan speed      Increase fan speed

Current fan speed      Click to set fan speed(0-100%)

Current print rate      Click to set print rate(50-100%)

Decrease print rate      Increase print rate



**Status:** (the following with \* is valid only for offline printing , i.e. print from memory card)

Return to previous menu

Files\*      Print Rate

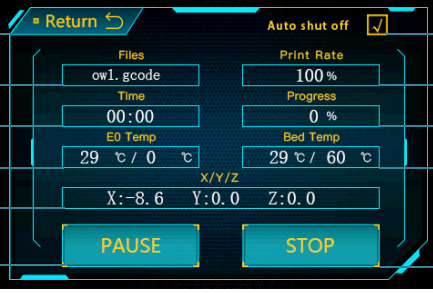
Time      Progress\*

Nozzle Temp/Target Temp      Heated bed Temp/Target Temp

Coordinates for X/Y/Z axis

Pause print\*      Stop print\*

Auto shut off



**Voice:** Turn on/off the screen sound

**Leveling:** Level the platform

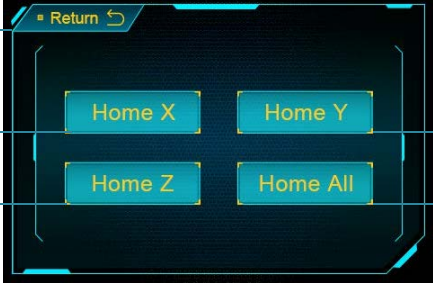
## Tools

**Home:** (only valid when machine is not printing)

Return to previous menu

Click to home X      Click to home Y

Click to home Z      Click to home All





# Menu Directory

**Axis:** (only valid when machine is not printing)



Move left/right X axis by 0.1/1.0/10mm

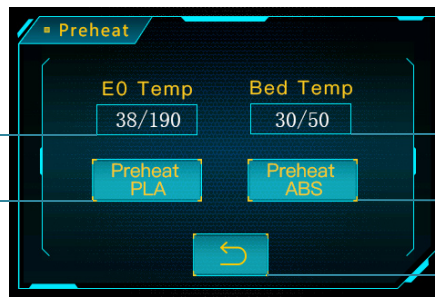
Move forward/backward Y axis by 0.1/1.0/10mm

Move up/down Z axis by 0.1/1.0/10mm

Return

Speed mode for axis move Low/Medium/High

**Preheat:** (only valid when machine is not printing)



Nozzle Temp/Target Temp

Heated bed Temp/Target Temp

Click to preheat PLA

Click to preheat ABS

Return

**Cooling:** Cut off the power to hot-end and heated bed (only valid when machine is not printing)

**Reset:** Popup window to decide if reboot the mainboard

**Filament:** (only valid for offline print)



Automatically heating to the setting temperature for filament in

Automatically heating to the setting temperature for filament remove

Stop to filament in/remove

Return

**Help:** Basic description of the Menu

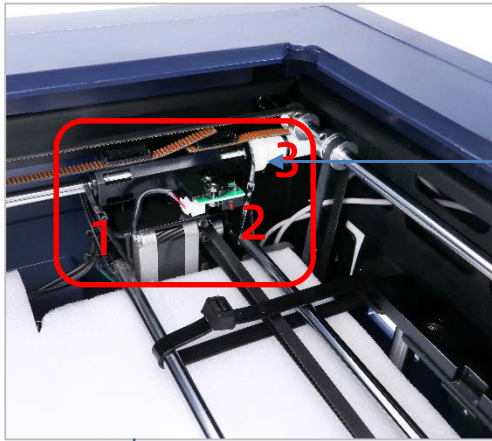
**About:** Information about the product

**Light:** Turn on/off the light

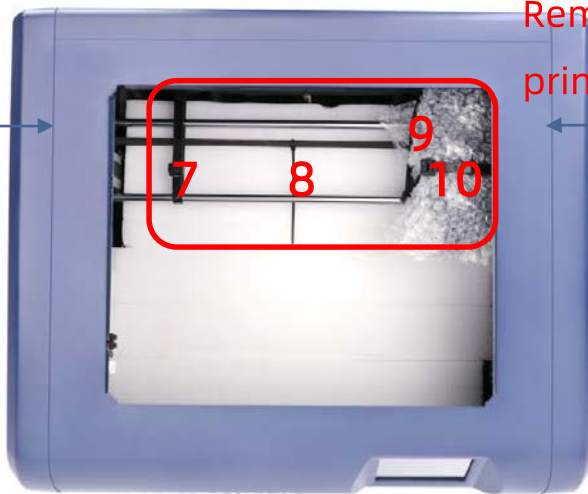
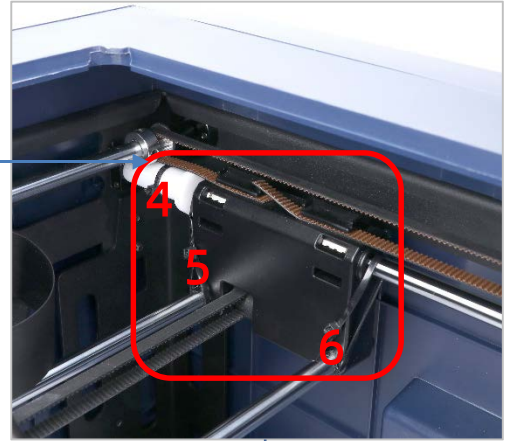


# Unpacking

1. Unpacking and place the printer on a flat table, and cut off 10 cable ties and remove 2 fixtures, as shown in the pictures below.



Remove the fixtures on both left and right side



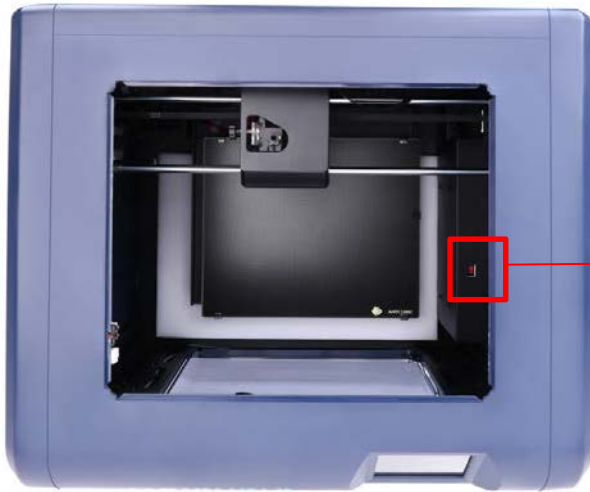
Remove the print head



Fixture

2. Inside the chamber, select the correct voltage mode according to your local voltage ratings (~110V or ~220V). The red switch is inside the power supply casing and **220V is default**. Hex keys can be used to move the switch. Finally, double check the wirings, plug in the power cord, and power on the printer.

# Unpacking



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



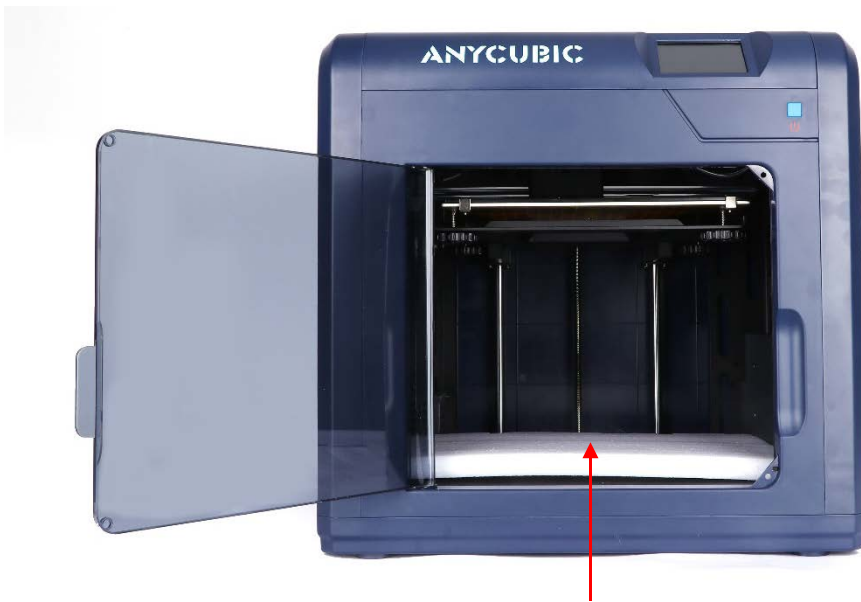
Press the machine switch

3. On Home Menu, click "Tools"-->"Home"-->"Home Z".

# Unpacking



4. After the platform rises, remove the packing materials underneath.



Take out the packing materials

# Installation

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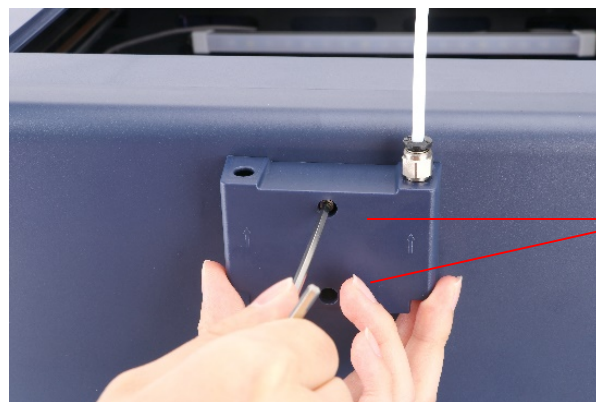
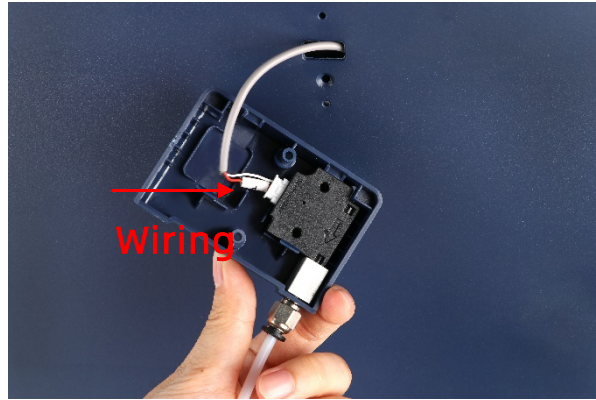
1. Be cautious during assembly as some parts may have sharp edges.
2. It is suggested to use a flat desktop and place the parts in an orderly manner for quick assembly.
3. The color of some parts may be different from what in the manual, but the assembly is the same.
4. Firmware has been pre-uploaded to the motherboard. After completing the assembly, please level the platform and load the filament then you could start the first test print.

Please note: every unit of the printer has been inspected and tested for printing. Therefore, in some cases, there might be very small marks left on the print head or on the heated bed. Those will not affect the printing quality and those mean the printer has been tested for the quality. Meanwhile, we provide an extra hot end in case you need to replace it in the future. Thank you very much for your kind understanding.

Team **ANYCUBIC**

# Installation

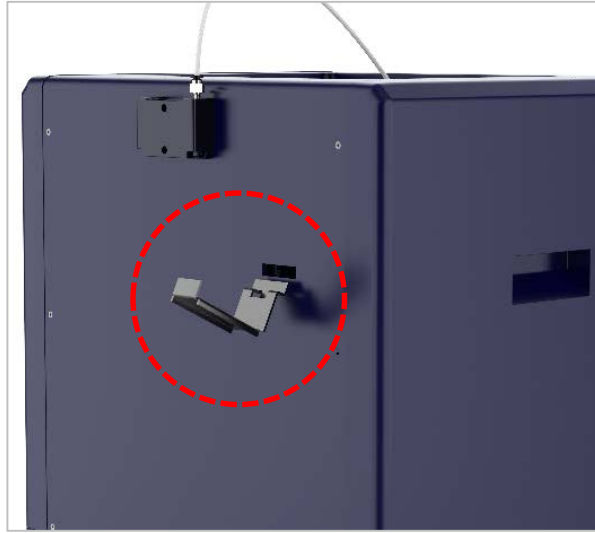
## 1. Install filament sensor



Insert the Teflon tubing firmly into the extruder.

# Installation

## 1. Install the filament holder



# Leveling

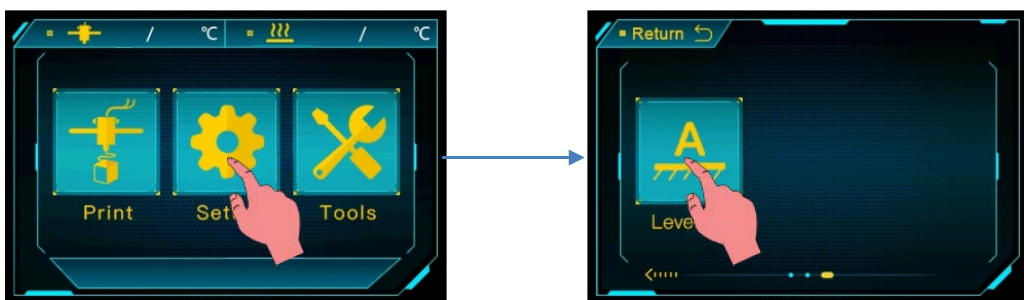
It is essential to level the print platform of a 3D printer. Once leveled, it is not necessary to level every time before each prints. Please follow the procedures below:

## 1. Assisted leveling

(1) Put the leveling paper (included on top of the printing platform) onto the printing platform.



(2) Return to home menu. Then click "Setup" →click " " to next page →click "Leveling", the printer will be automatically home.



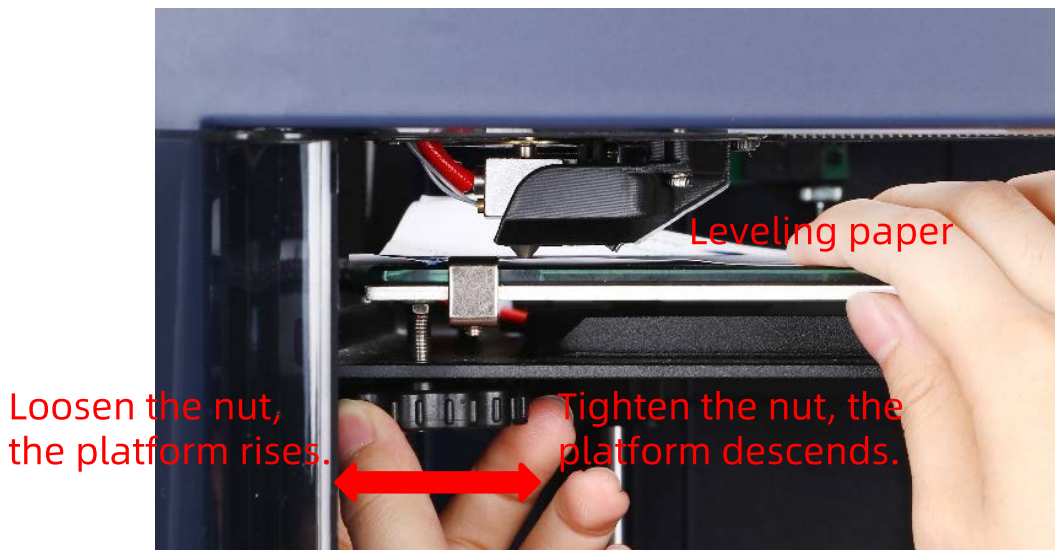


# Leveling

(3) After home, click "Next" and the print head will be moving to the first leveling point.



(4) Manually adjust (tighten or loosen) the corresponding nut underneath the printing platform. The purpose is to adjust the distance between nozzle and printing platform to about the thickness of a piece of paper (it is about 0.1mm when you can feel the drag resistance when pulling the paper).

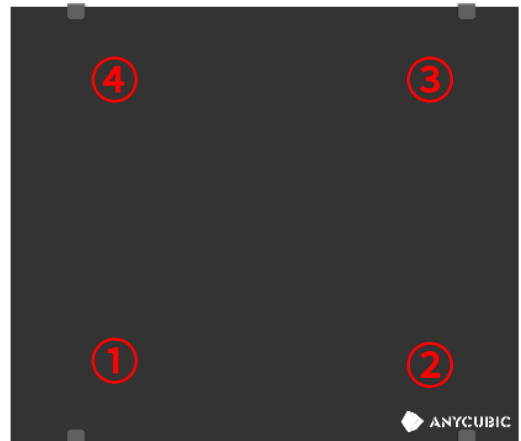


Nozzle just touches the paper, and the paper can be moved, but with resistance.



# Leveling

(5) Click "Next" when finished the first leveling point, the print head will move to the next point, and then repeat Step(4) to adjust. Click "Next" and follow the instructions to finish the leveling of the 4 points on the platform.



You need to adjust the 4 points of the platform 2 to 3 times to ensure the leveling, otherwise the platform could be scratched.

(6) After leveling, click "  " to return to main page.

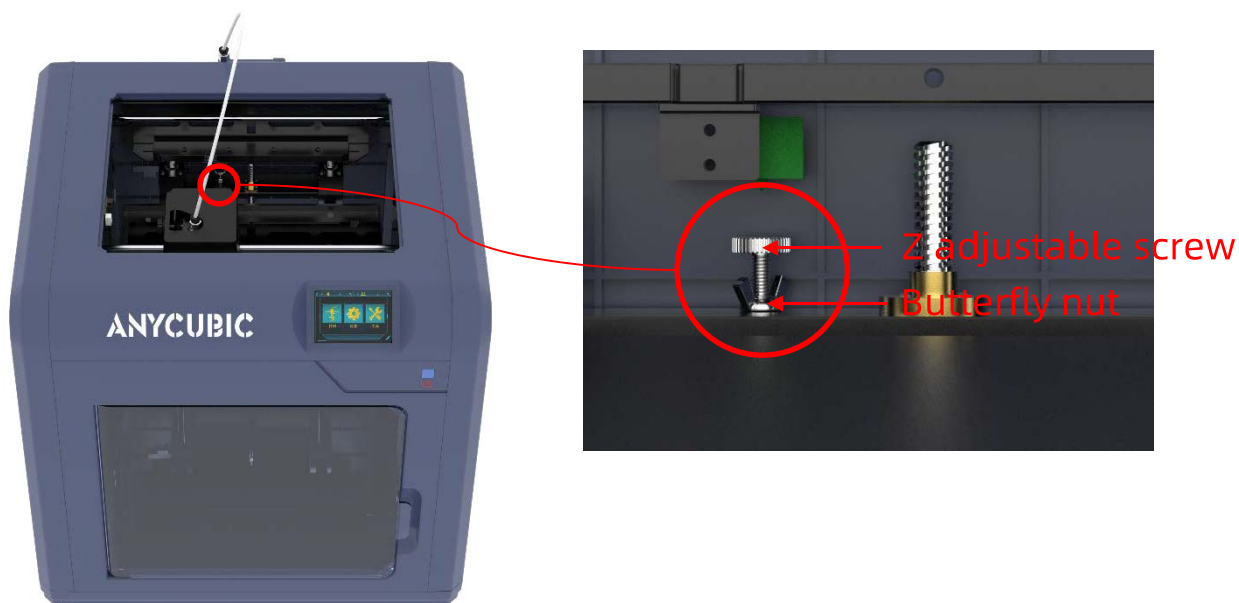


# Leveling

## 2. Supplements to leveling

In some rare cases, after "Home All", the nozzle can be still much lower than the platform, even after fully tighten the 4 nuts underneath. On the opposite, sometimes the nozzle is still too high from the platform, even after fully loosen the 4 nuts underneath.

**How to solve this:** adjust Z adjustable screw up (down) to proper position.

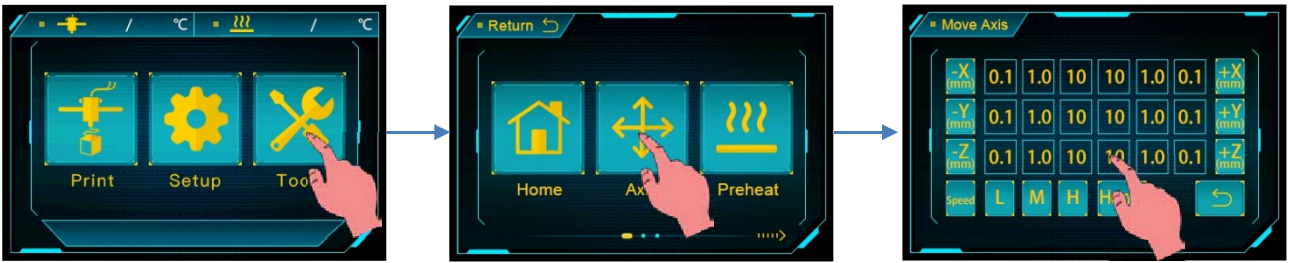


**Case 1:** the nozzle is still much lower than the platform, even after fully tighten the 4 nuts underneath.

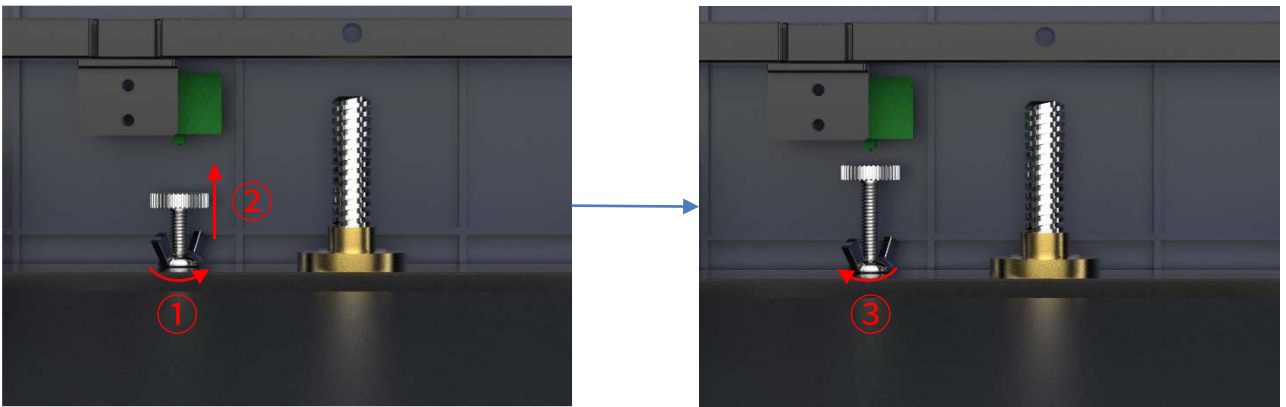
### Solution:

- ① Tighten the 4 nuts underneath fully.
- ② Return to main page, then click "Tools" → "Axis" → "10+Z" to lower the platform.

# Leveling



- ③ Loosen the butterfly nut, adjust the Z adjustable screw up to the appropriate position (the distance of adjustment = distance of nozzle below platform + 2mm), then tighten the butterfly nut.



- ④ After adjusting the Z adjustable nut, you need to level the platform again to verify the results.

**Case 2:** the nozzle is still too high from the platform, even after fully loosen the 4 nuts underneath.

## Solution:

- ① Loosen the 4 nuts underneath fully.

# Leveling

- ② Loosen the butterfly nut, adjust the Z adjustable screw down to the appropriate position (the distance of adjustment = distance of nozzle above platform + 2mm), then tighten the butterfly nut.



- ③ After adjusting the Z adjustable nut, you need to level the platform again to verify the results.

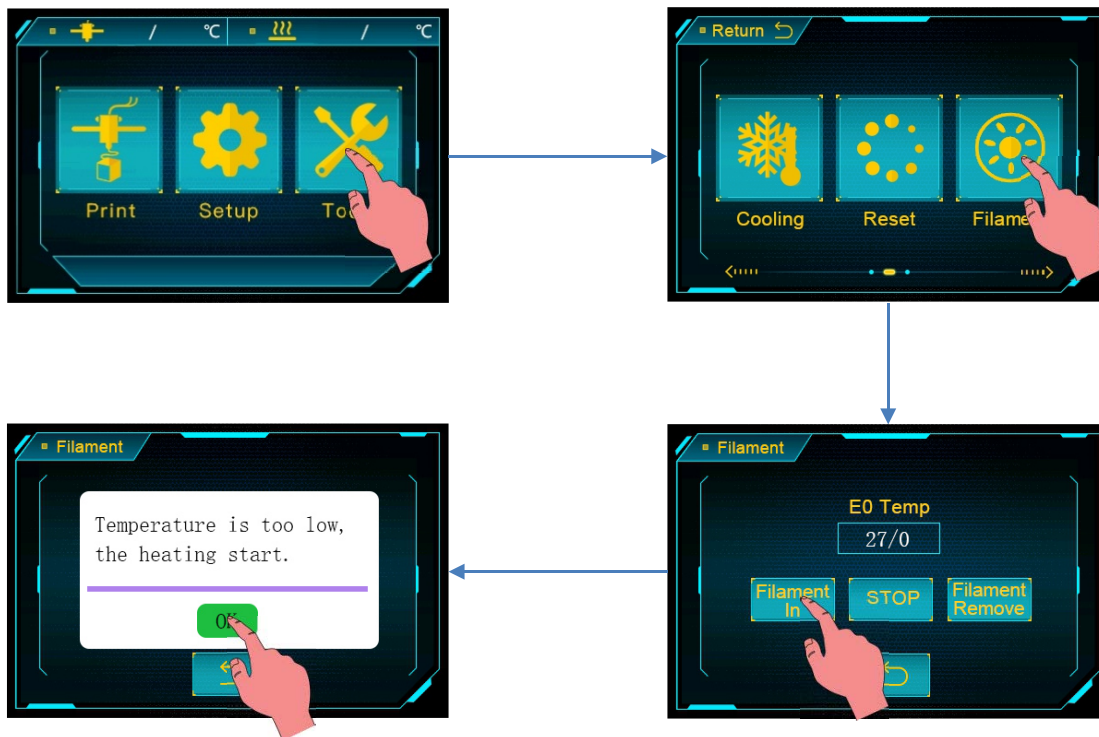
# Filament loading

1. Click "Tools" → "Axis" → "10+Z" to lower the platform about 100mm.



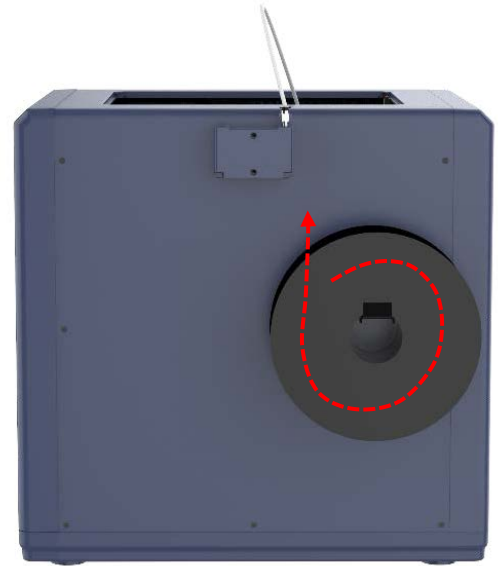
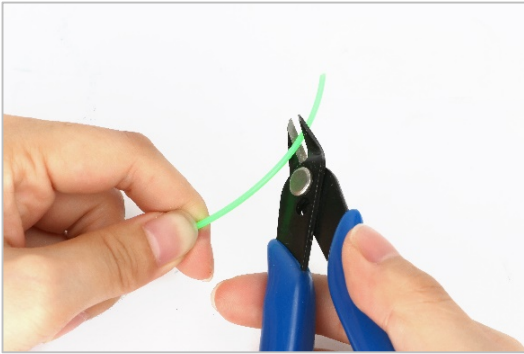
Click 10 times to lower the platform 100mm

2. Return to the home menu, click "Tools" → "Filament" → "Filament In", and the interface as shown below will pop up, click "OK".

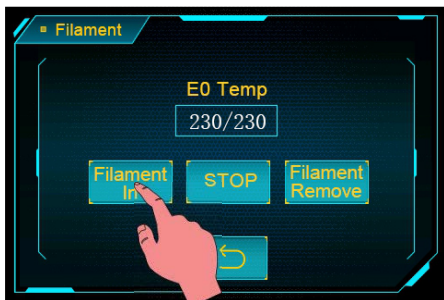


3. Straighten the end of filament, then place the filament on the filament holder.

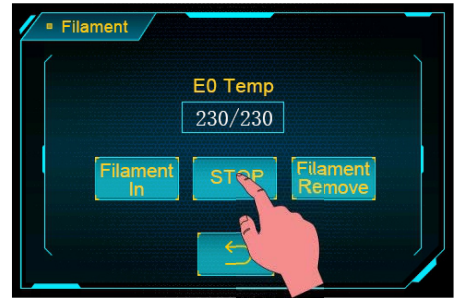
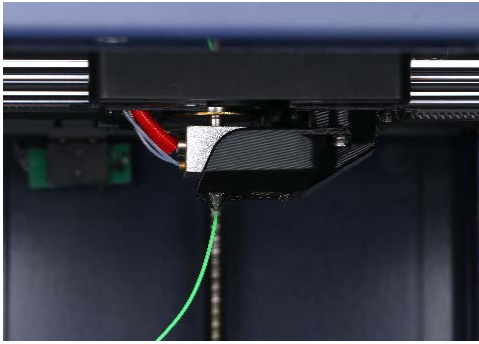
# Filament loading



4. When the nozzle reaches to the target temperature, click “Filament in” again, pass the filament from the filament sensor, teflon tubing, and finally to the print head, and then the filament would be automatically fed in by the extruder and it would be melted through the nozzle. Now, click “STOP”. You may use tweezers to clean the filament residue on the nozzle tip.



# Filament loading

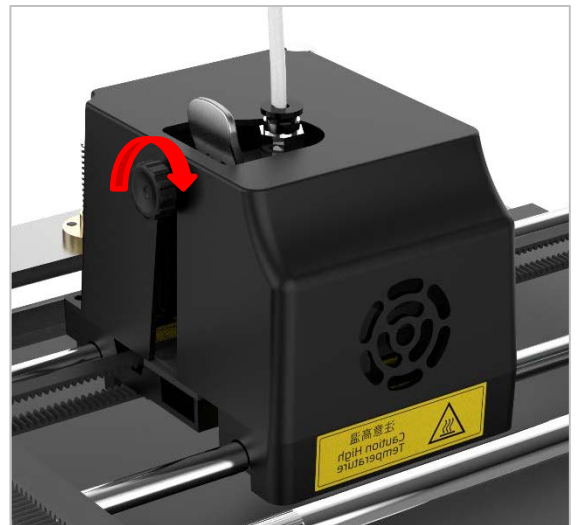


## Supplements to feeding

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



If the melted filament is not smooth, please increase the extrusion force by rotating counterclockwise



If the melted filament is too thin, please reduce the extrusion force by rotating clockwise



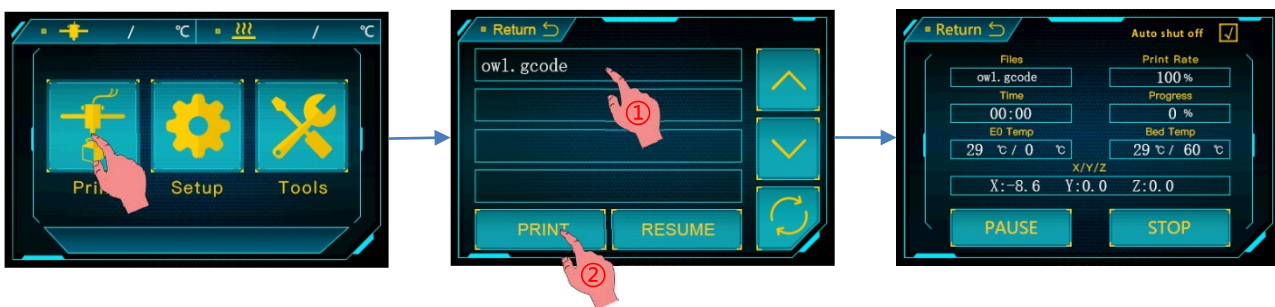
# Printing

1. Insert the memory card into the memory card slot. A test file "owl.gcode" (author: etotheipi, www.thingiverse.com) has been preloaded on the memory card.



**Tip: To eject the memory card, please press it.**

2. On Home Menu, Click "Print" to enter the files list. Click the "owl.gcode" and click "PRINT" for the test printing.



3. For printing ABS filament, it is recommended to cover the top cover to maintain a relative high environment temperature, which helps improving the printing quality.



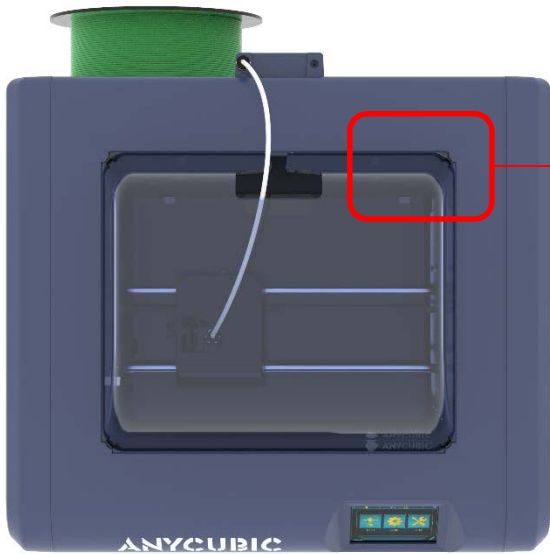
# Printing

Place it in via  
this angle



① Gently press the  
cover from both side

② Tuck in  
the cover



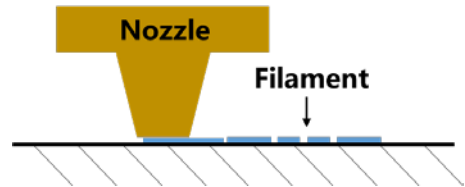
# Printing

4. There might be 3 kinds of results for the first layer of the test prints:

**A:** Lack of extrusion, the nozzle rub against the platform.



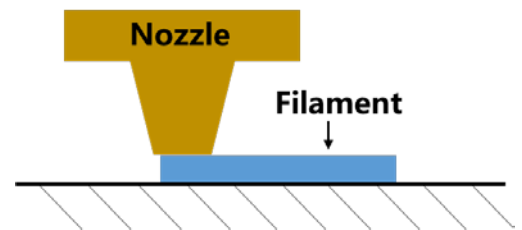
Nozzle too close



**B:** Good extrusion and adhesion



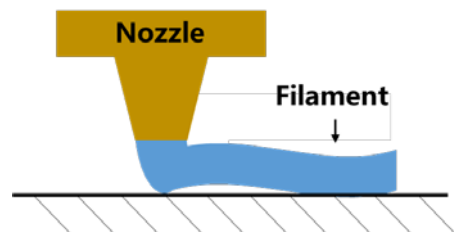
Proper nozzle height



**C:** Large gap, filaments are not even adhere to the platform



Nozzle too high



# Printing

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In case of “nozzle too close” or “nozzle too high”(A or C), please manually fine tune the corresponding nuts under the platform.

*It may need adjustment for few times until satisfying results such as B.*

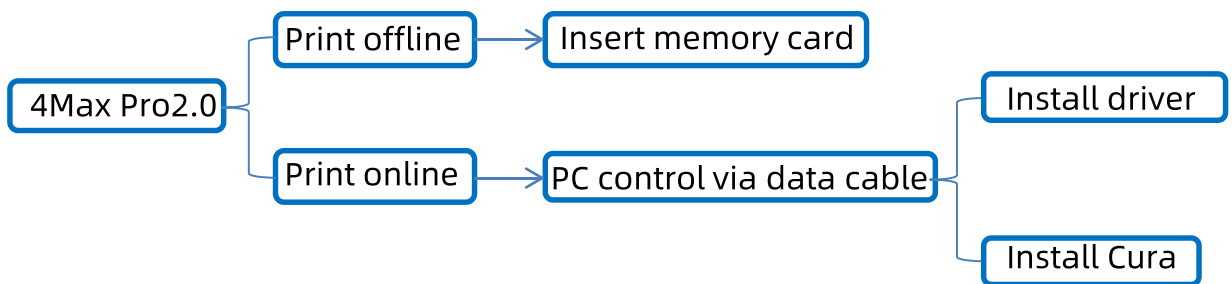
5. The nozzle and heated bed are still in high temperature when printing finishes. Make sure to wait for nozzle and heated bed to cool down before removing the model from the printing platform.

# Driver installation

There are two operational mode for 4Max Pro2.0: print offline and print online.

**Print offline:** As shown previously, insert memory card into the memory card slot on the printer base, click on the Home Menu “Print” to enter the file list, and print a selected file (GCode files ONLY).

**Print online:** Install CP2102 driver to bridging PC and machine, and install Cura for slicing and control the machine to print via data cable.



It is suggested to use **Print Offline** mode to minimize the noisy signal via data cable.

## How to install the software to enable PC control (print online).

First, turn on the machine, connect the printer (data cable port) and your PC via data cable. 4Max Pro2.0 uses CP2102 chip for communication. The CP2102 driver may not be installed automatically, so it is required to check that. Right click “This PC”→ “Properties”→ “Device manager”, if there is an exclamation mark as shown below, then it needs to be installed manually.

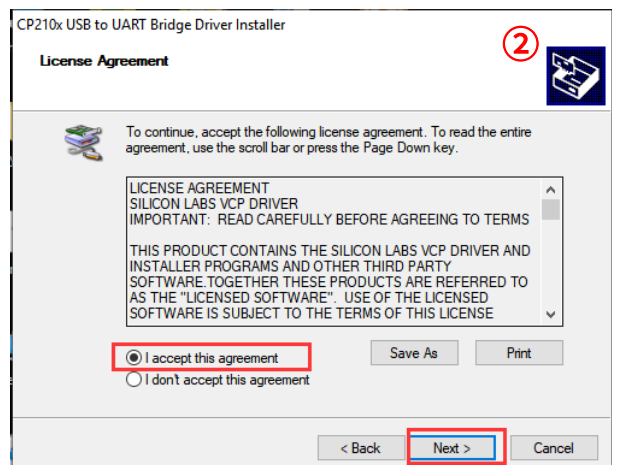
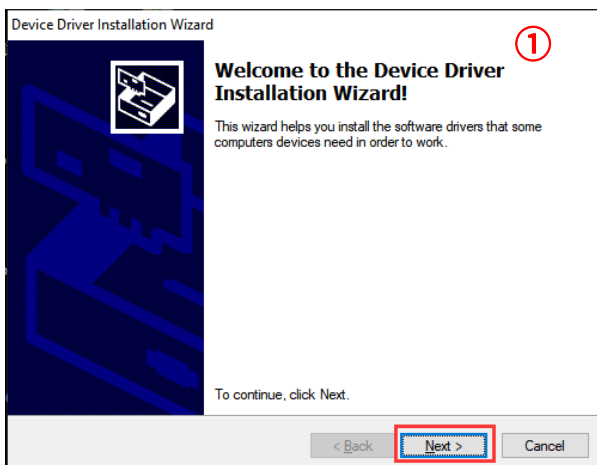
# Driver installation



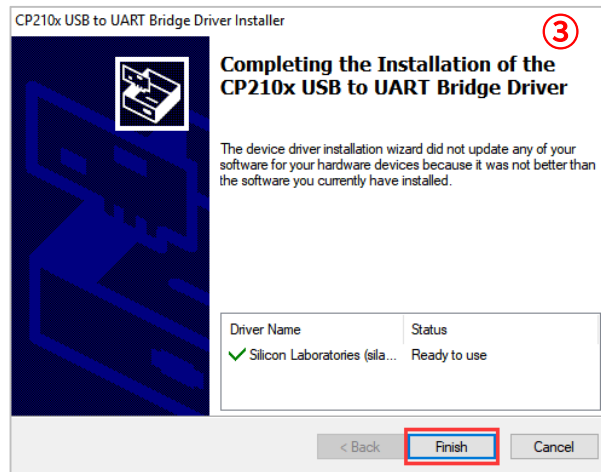
CP2102 driver file are located in the memory card (or visit our website to download), “Files\_English\_4Max Pro2.0”→“Driver\_CP2102”. There are two versions, Windows and Mac version.

For Windows, specifically, “CP2102xVCPInstaller\_x64” is for 64 bit system and “CP2102xVCPInstaller\_x86” is for 32 bit system. Here we take Windows 7-64 bit PC system for example, while there is “Installation for Mac PC” in memory card for those who use Mac system.

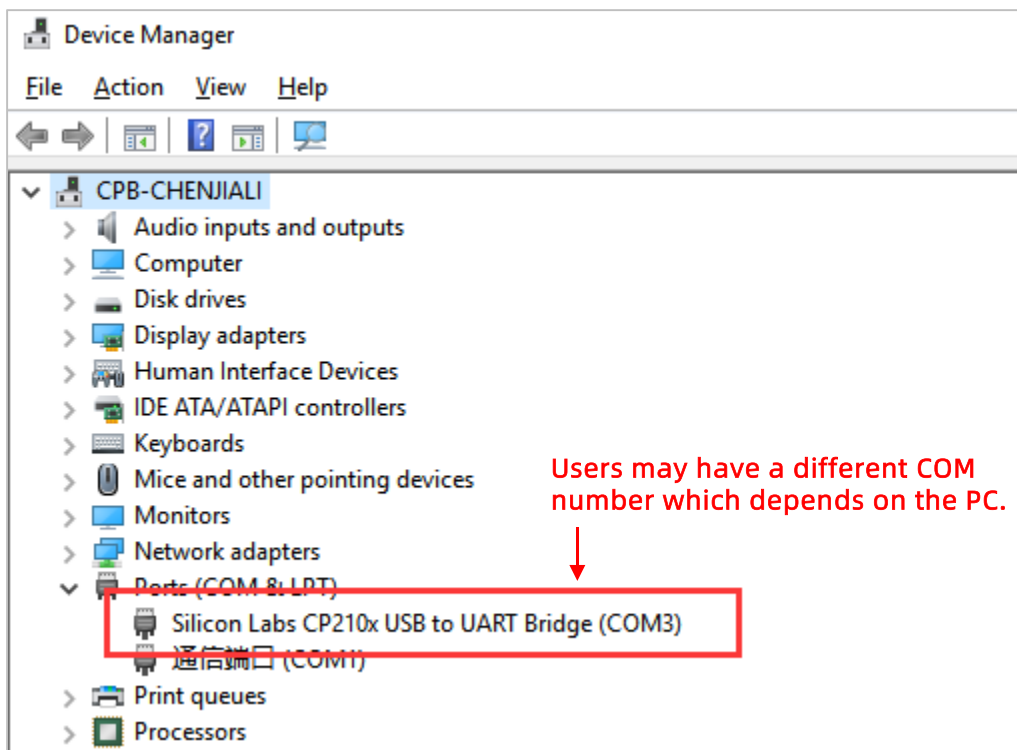
Double click “CP210xVCPInstaller\_x64.exe” to install it.



# Driver installation



Right click "This PC" → "Properties" → "Device manager" to check, you can see that the exclamation mark has disappeared.



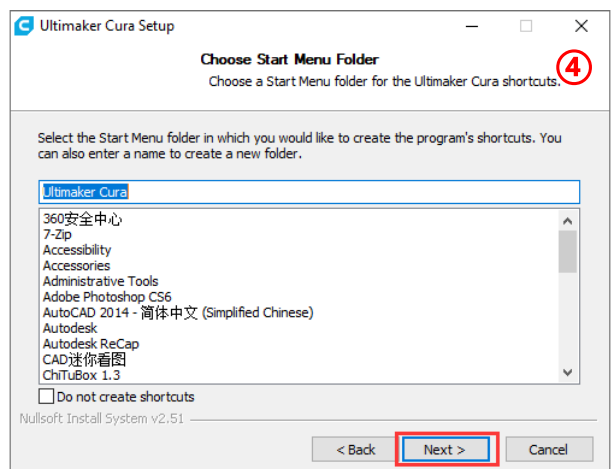
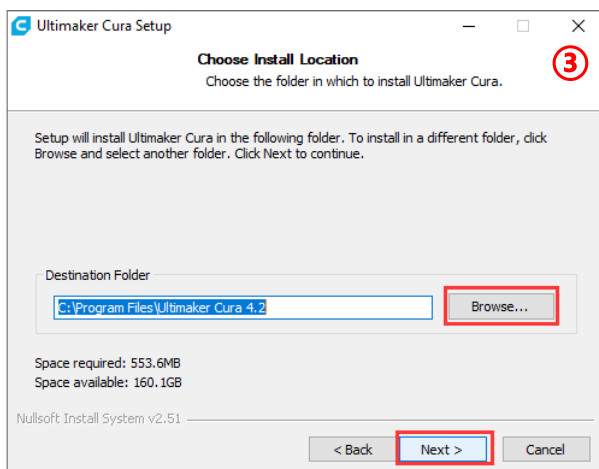
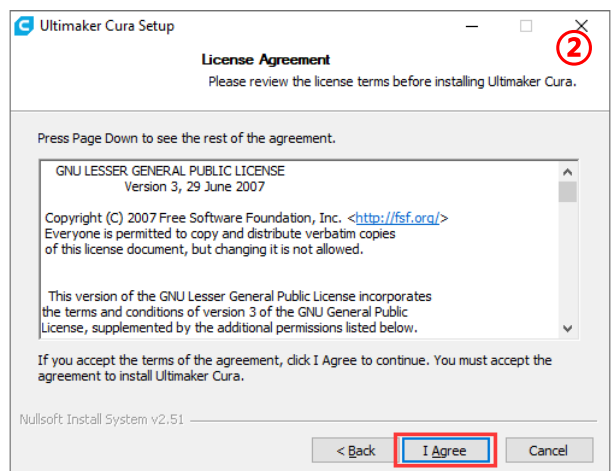
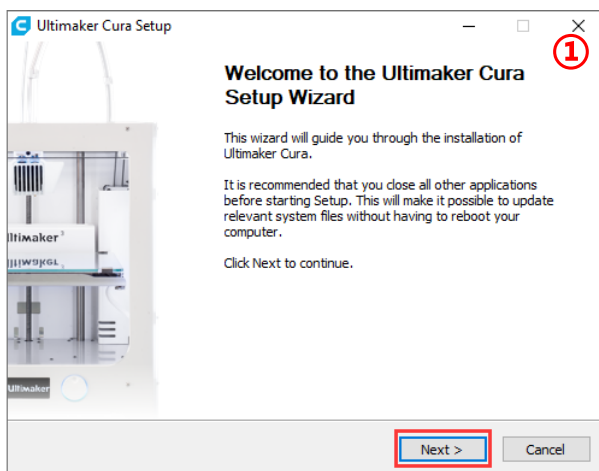
# Introduction to slicing software

Introduction of slicing software: ① Cura installation, ② Machine settings, ③ Import the configuration file, ④ Manipulate 3D model in Cura, ⑤ Slice and preview, ⑥ Print online, ⑦ Print offline

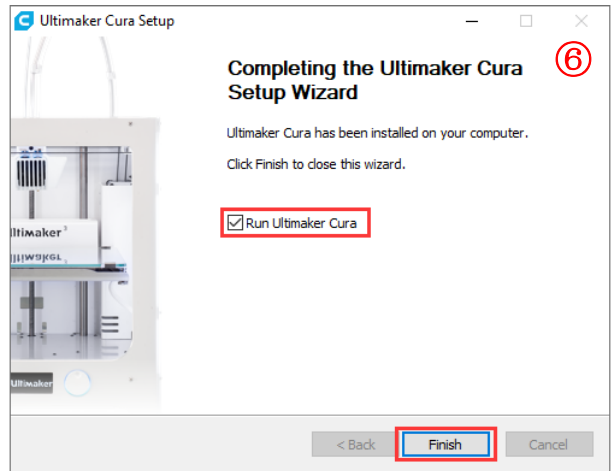
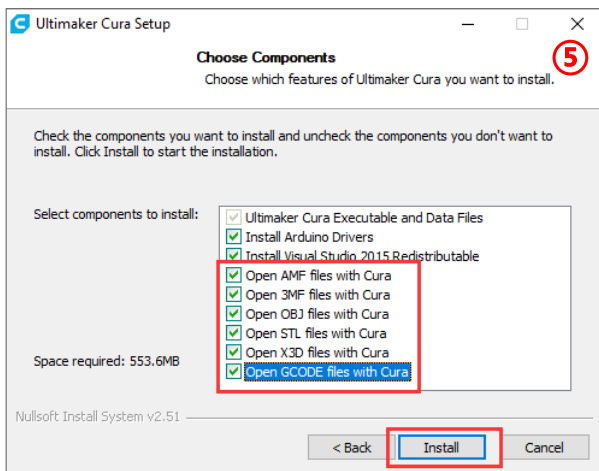
## 1. Cura installation

3D printer reads Gcode file and prints. It is necessary to convert 3D files (such as stl file) into Gcode files for machine to recognize. Software that convert 3D files into Gcode files is called slicing software.

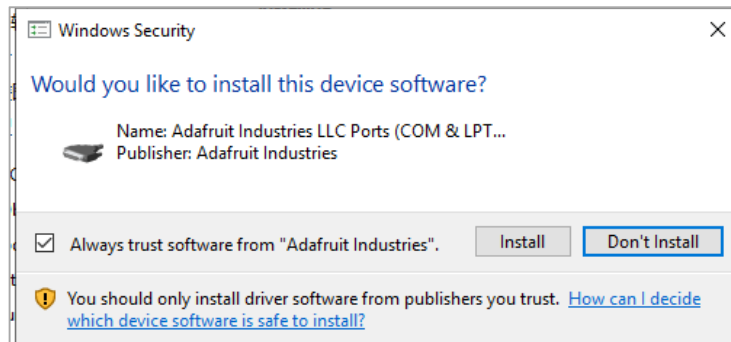
Ultimaker\_Cura-4.2.1-win64 is used for example here (Users may use their own slicer software). It is located in memory card→“ Files\_ English\_4Max Pro2.0”→ “ Cura”→ “ Windows”. Double click “Ultimaker \_Cura-4.2.1-win64.exe”, and follow the steps as shown below.



# Introduction to slicing software

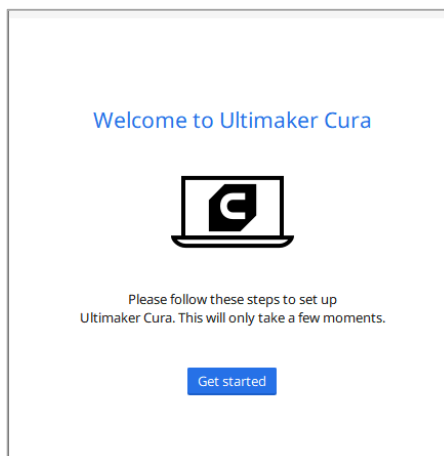


Note: Printing online requires the installation of a driver, as shown below. If you don't print online, you don't need to install it.



## 2. Machine settings

Upon completion of installation, the first launch of the software will display the following welcome screen. Click "Get started" to start the machine settings.





# Introduction to slicing software

1

## User Agreement

### Disclaimer by Ultimaker

Please read this disclaimer carefully.

Except when otherwise stated in writing, Ultimaker provides any Ultimaker software or third party software "As is" without warranty of any kind. The entire risk as to the quality and performance of Ultimaker software is with you.

Unless required by applicable law or agreed to in writing, in no event will Ultimaker be liable to you for damages, including any general, special, incidental, or consequential damages arising out of the use or inability to use any Ultimaker software or third party software.

Decline and close

Agree

2

## What's new in Ultimaker Cura

### 4.2.0

#### Orthographic view.

When preparing prints, professional users wanted more control over the 3D view type, so this version introduces an orthographic view, which is the same view type used by most professional CAD software packages. Find the orthographic view in View > Camera view > Orthographic, and compare the dimensions of your model to your CAD design with ease.

#### Object list.

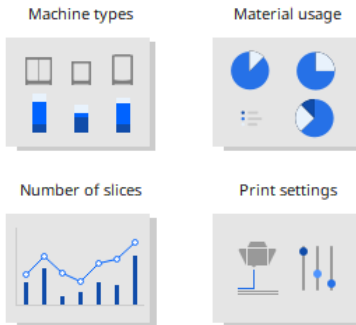
Easily identify corresponding filenames and models with this new popup list. Click a model in the viewport and its filename will highlight, or click a filename in the list and the corresponding model will highlight. The open or hidden state

Next

3

## Help us to improve Ultimaker Cura

Ultimaker Cura collects anonymous data to improve print quality and user experience, including:



Data collected by Ultimaker Cura will not contain any personal information. [More information](#)

Next

4

## Add a printer

Add a networked printer

There is no printer found over your network.

Refresh

Add printer by IP

Troubleshooting

Add a non-networked printer

Next

5

## Add a printer

Add a networked printer

Add a non-networked printer

### Anycubic

- Anycubic 4Max
- Anycubic Chiron
- Anycubic i3 Mega

> Ateam Ventures Co. Ltd.

> BEEVERYCREATIVE

> BFB

> BIBO

> BQ

> Builder

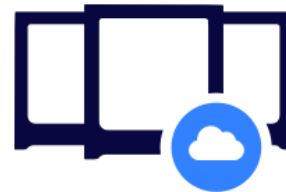
> Cocoon Create

Printer name Anycubic 4Max

Next

6

## Ultimaker Cloud



The next generation 3D printing workflow

- Send print jobs to Ultimaker printers outside your local network
- Store your Ultimaker Cura settings in the cloud for use anywhere
- Get exclusive access to print profiles from leading brands

Create an account

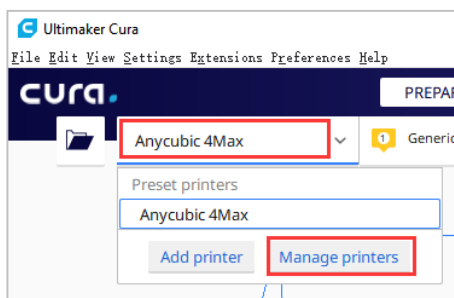
Sign in

Finish

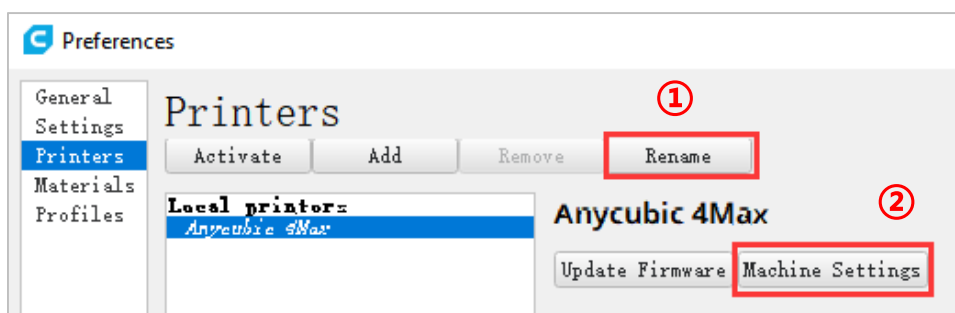
# Introduction to slicing software

According to the wizard, we have selected the "Anycubic 4Max" model. Now, we will set the model parameters of 4Max Pro2.0 based on that model.

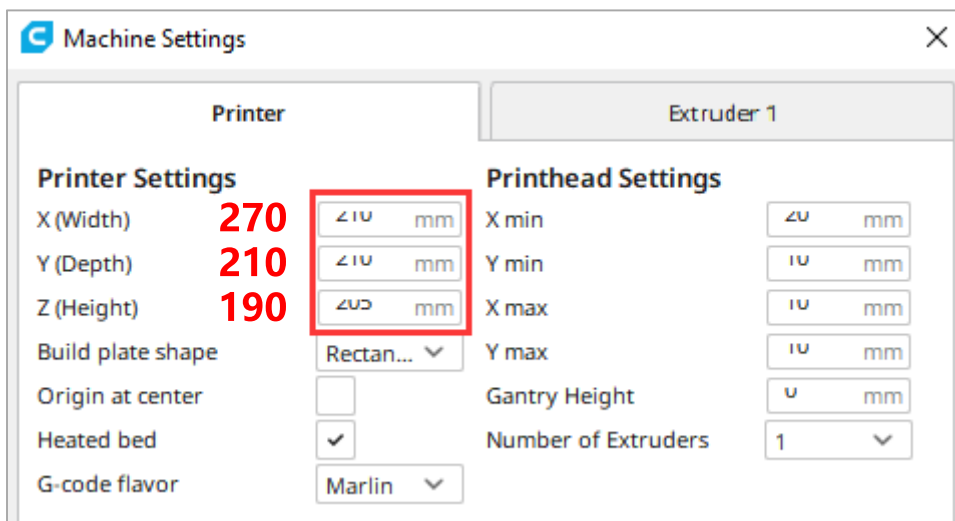
(1) Click "Manage printers", as shown below.



(2) Click "rename" to change the machine name to "Anycubic 4Max Pro2.0", and then click "Machine Settings" .



(3) Modify the "XYZ" parameters as 270, 210 and 190 respectively on the "Machine Settings" page, as shown below.

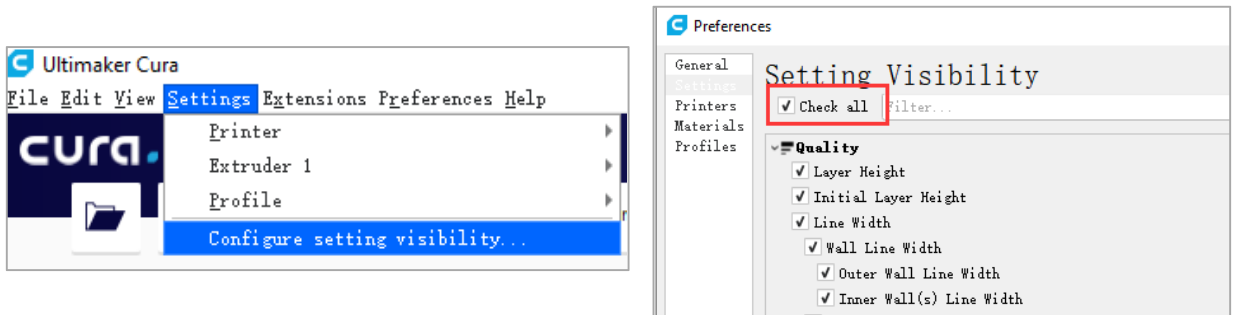


# Introduction to slicing software

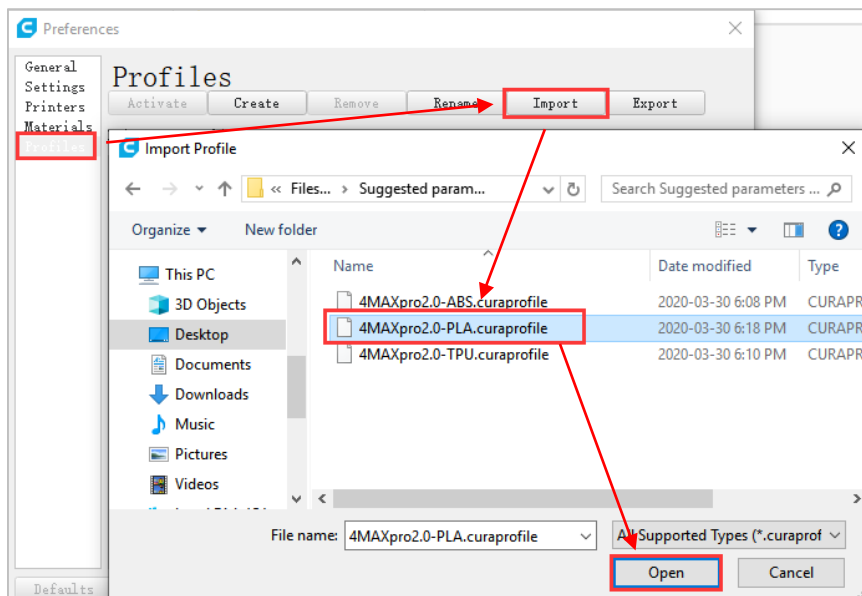
## 3. Import the configuration file

After continuous testing, we provided users the suggested printing parameters of different filaments for 4Max Pro2.0, and the user could directly import the parameter files in the memory card to the software.

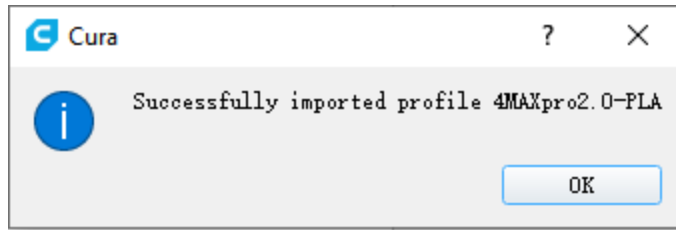
(1) Click "Settings"- "Configure setting visibility...", and then check "Check all" to make all Settings visible.



(2) Click "profile" on the left, and then click "import" to open the "import profile" dialog box, then select the "4Max pro2.0-PLA.curaprofile" (file path: memory card → "Files \_ English \_4Max Pro2.0" → "Suggested parameters for 4MaxPro2.0"), and click "open". After successful import, the following success prompt will pop up.

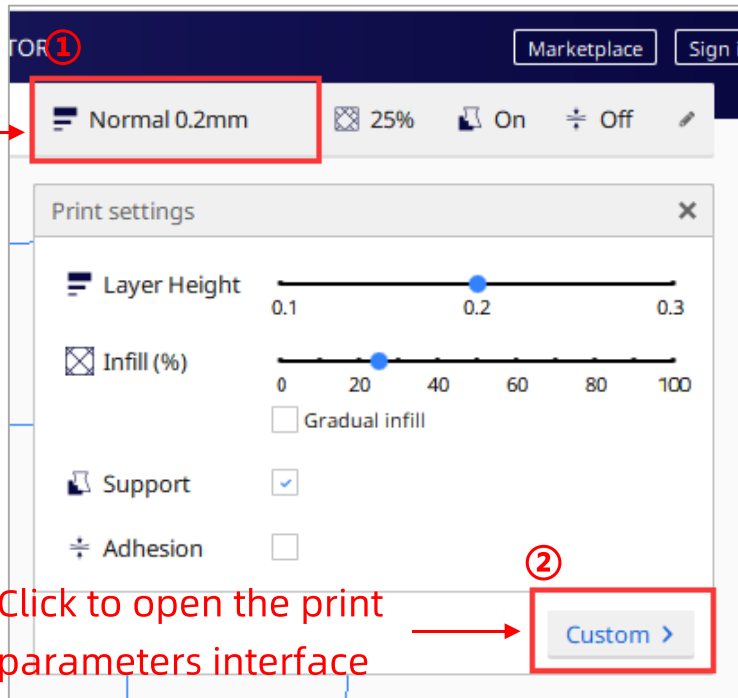


# Introduction to slicing software

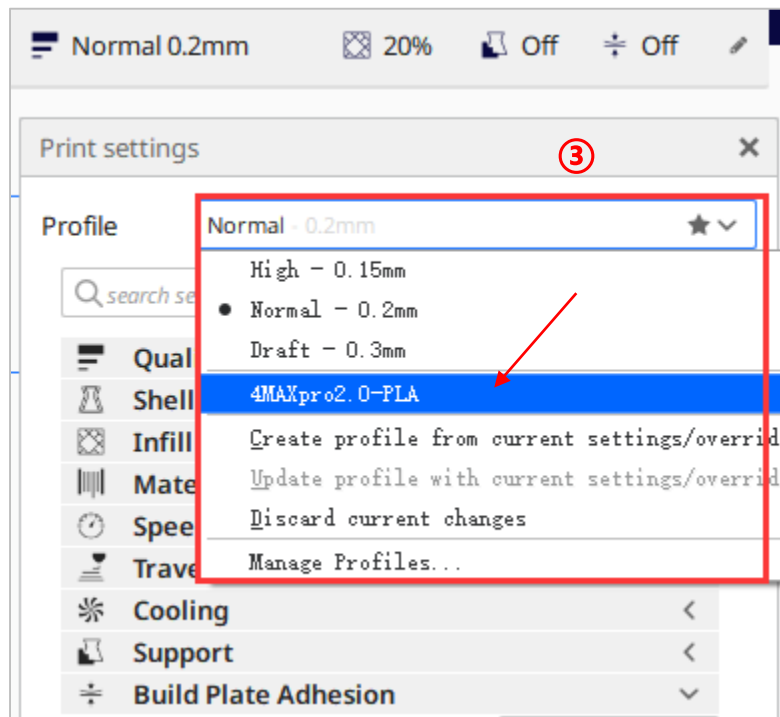


(3) Select the configuration file that you just imported.

Click to open  
"Print settings"



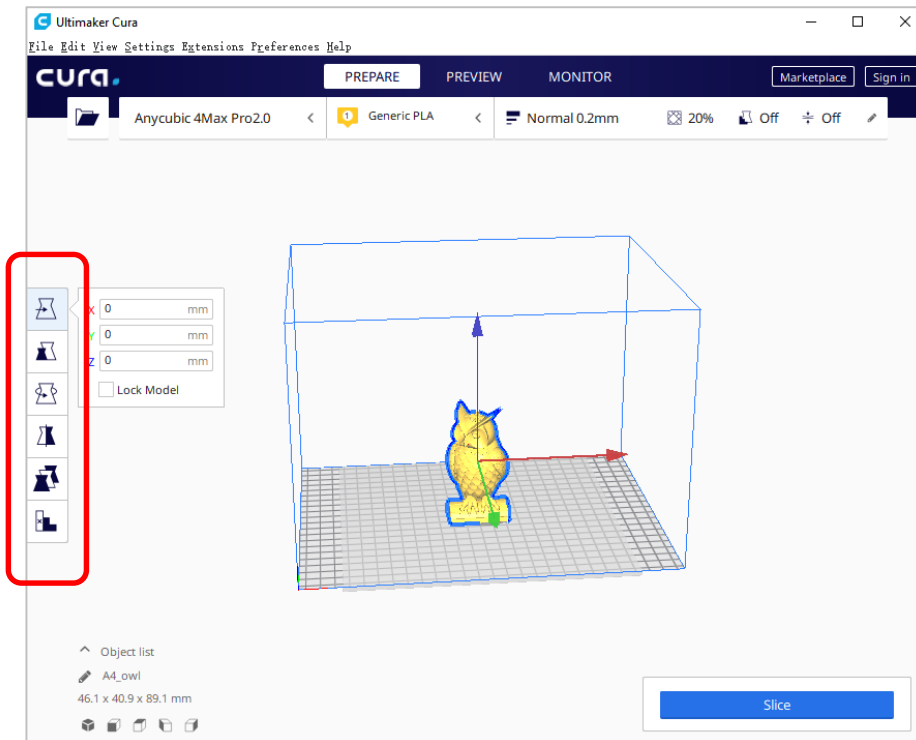
Click to open the print  
parameters interface



# Introduction to slicing software

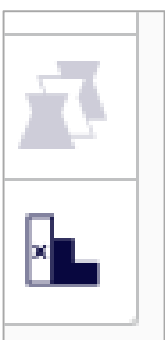
## 4. Manipulate 3D model in Cura

In the Cura software interface, click on the “File” → “Open File(s)...” to import your own three-dimensional format model (such as .stl file). Users can “Rotate” “Scale” “Mirror” the model. As shown below:



### Other operations:

- Position change: left click on the model, hold on and drag the model to move.
- Zoom in/out: scroll the mouse wheel.
- Change viewing angle: right click and move the mouse.

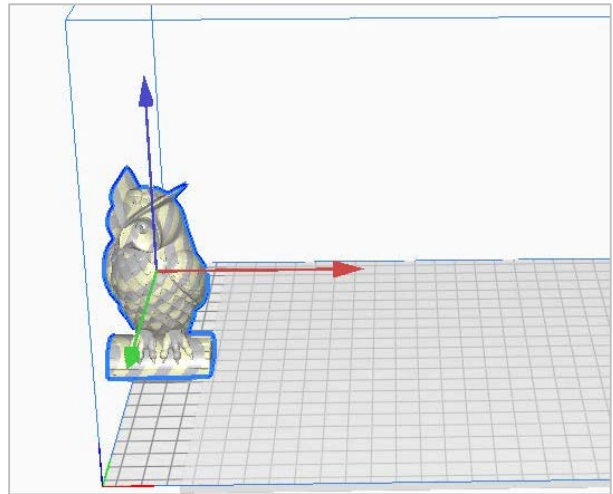


**Per Model Settings:** When you open multiple models, you can configure a separate slice configuration for the specified model.

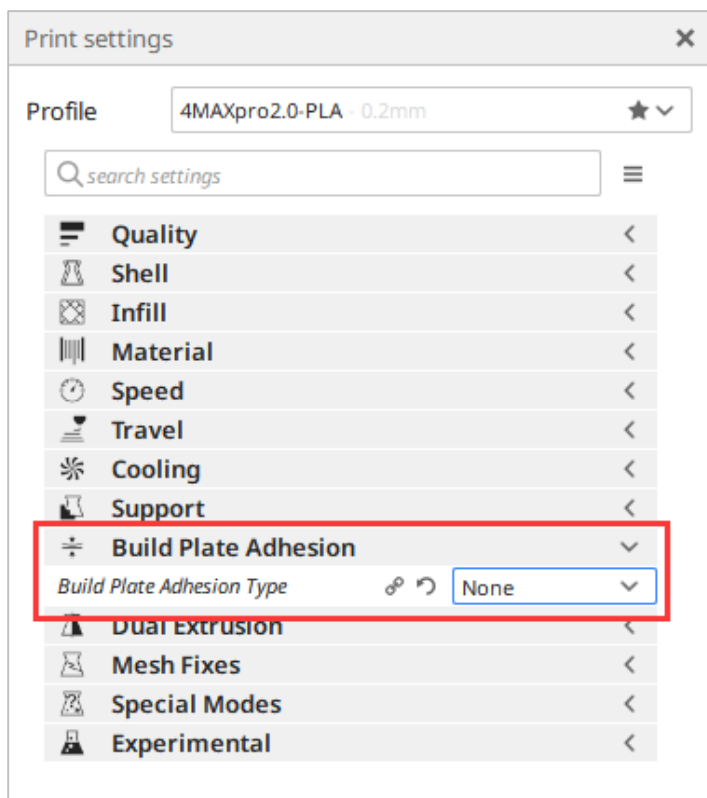
**Support Blocker(E):** Set the mask area on the model so that the support could not be generate on the set area.

# Introduction to slicing software

Note: as shown in the figure on the right, the gray color of the model indicates that the model is out of print range.



After importing the model, users can customize the printing parameters according to individual needs. But the configuration files that we provide are suggested.

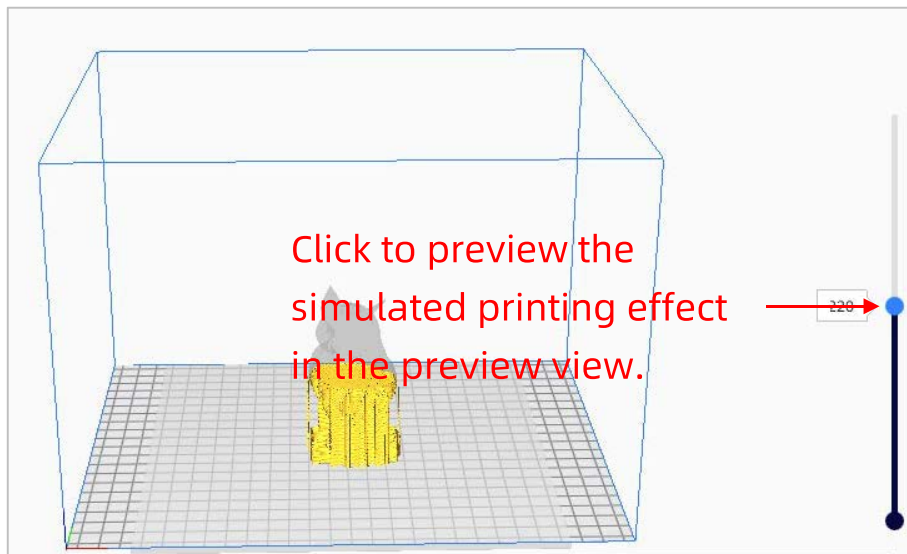
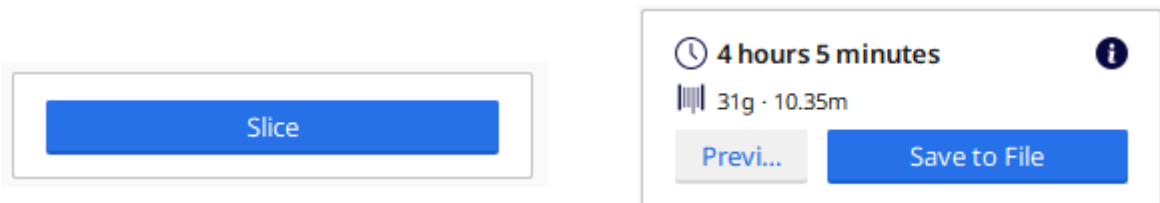


Note: The “Build Plate Adhesion Type” parameter needs to be set to “None” when printing the maximum size mode.

# Introduction to slicing software

## 5. Slice and preview

After setting the printing parameters, click the "Slice" button in the lower right corner of the software. After the Slice is finished, click the "preview" button to preview the simulated printing effect in the preview view.

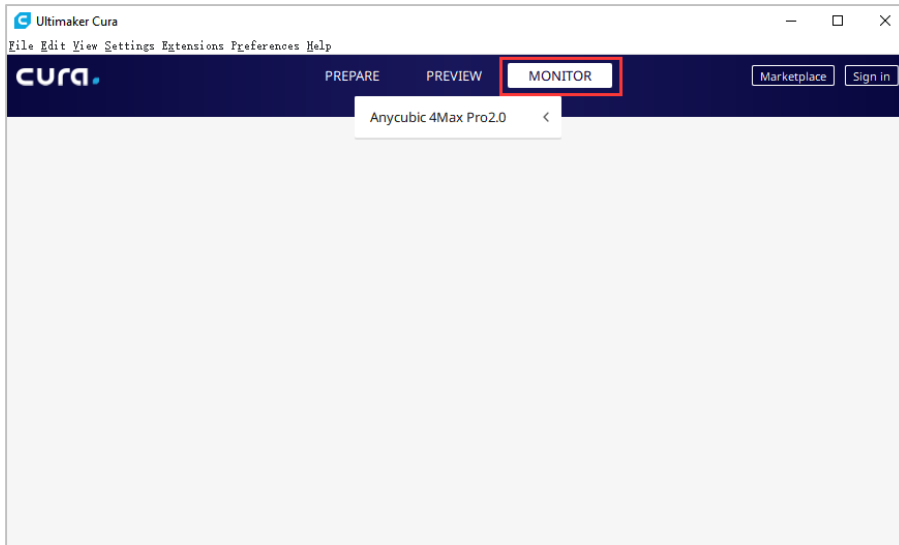


## 6. Print online

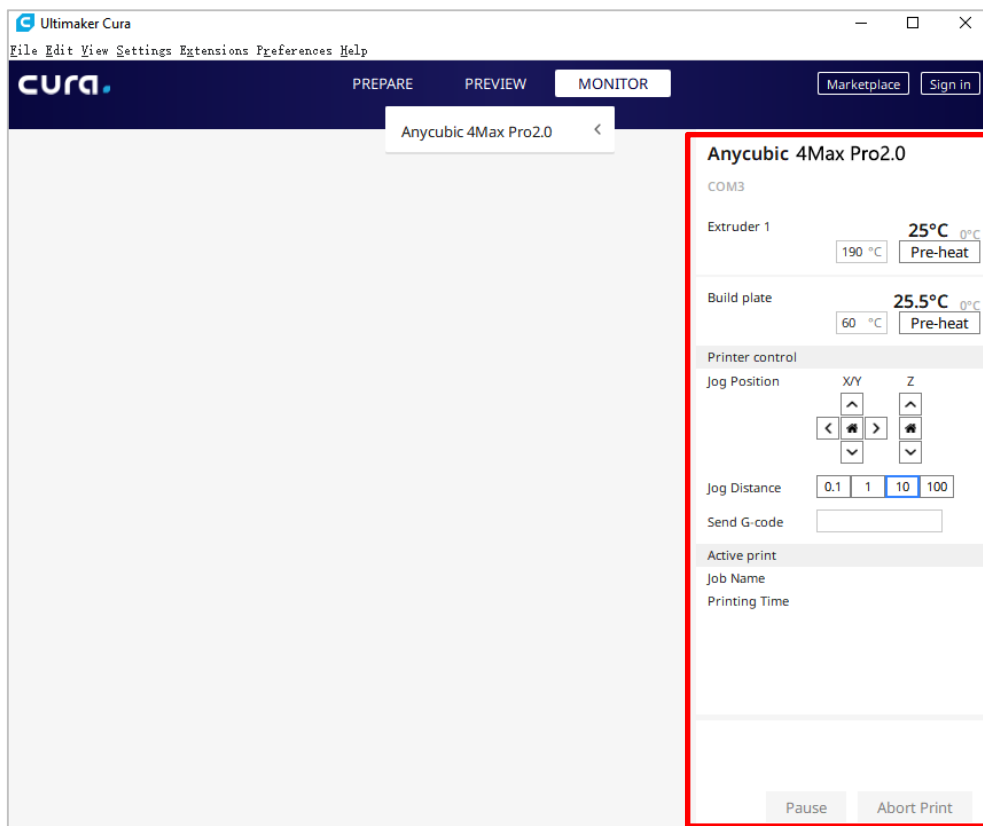
After the parameters have been set up, you can print online via Cura. Click the "MONITOR" on the main interface. If the printer is not connected properly, the interface will be blank.



# Introduction to slicing software



After connecting the data line, Cura will automatically connect to the printer. After waiting for more than ten seconds, the operation panel will be displayed on the right side of the interface. User can control printer through the operation panel. (In the process of printing, do not plug the data line, or it will interrupt the printing)

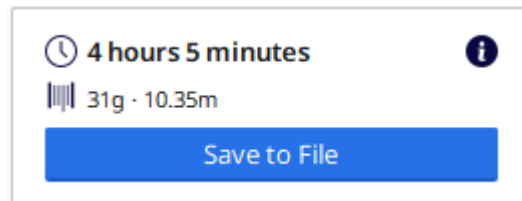


# Introduction to slicing software

## 7. Print offline

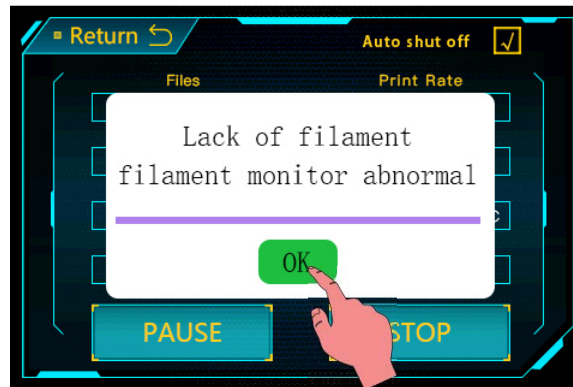
After slicing, click "save to file" in the lower right corner of Cura software. Save the model GCode file to the **memory card**, and then insert the memory card to the printer and control via the touch screen for offline printing.

**Note:** the file name should only contain English letters, underscore and space. File name contains special characters could 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.



# Introduction to filament sensor

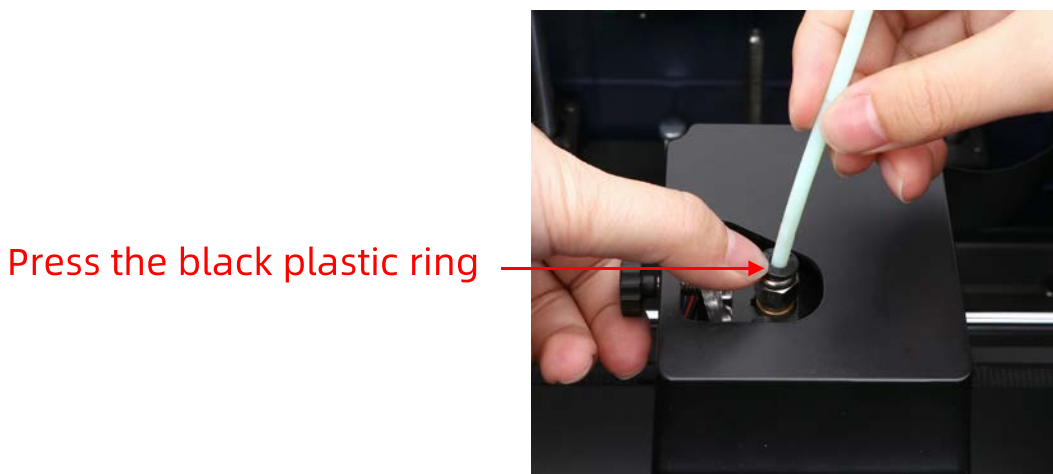
1. Machine alarms when filament break during an ongoing print, the interface shown below will be popped up.



2. Click "OK", remove the remaining filaments and re-installing new filaments.

Remove the remaining filaments:

① Press the black plastic ring, pull out the teflon feeding tube.



② Return to the home menu, click "Tools" → "Filament" → "Filament In", and the interface as shown below will pop up, click "OK".

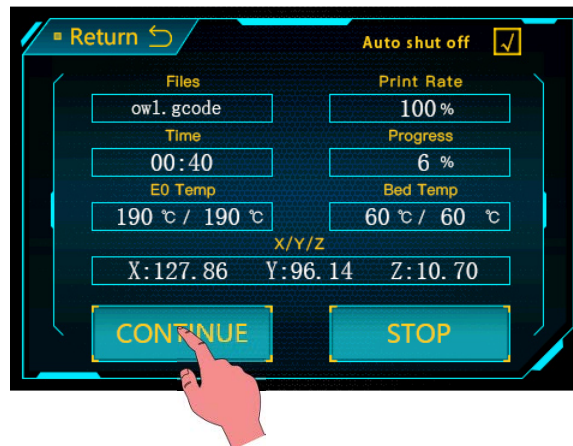
③ When the nozzle reaches to the target temperature, click "Filament in" again.

# Introduction to filament sensor

- ④ After the filaments are extruded smoothly at the nozzle, click "Stop" on the screen, and then click "Filament Remove".
- ⑤ After the filaments are withdrawn from the print head, pull out the remaining filaments from the teflon feeding tube, and then insert the teflon feeding tube into the print head firmly.

Re-install new filaments: see page 21 "Filament loading".

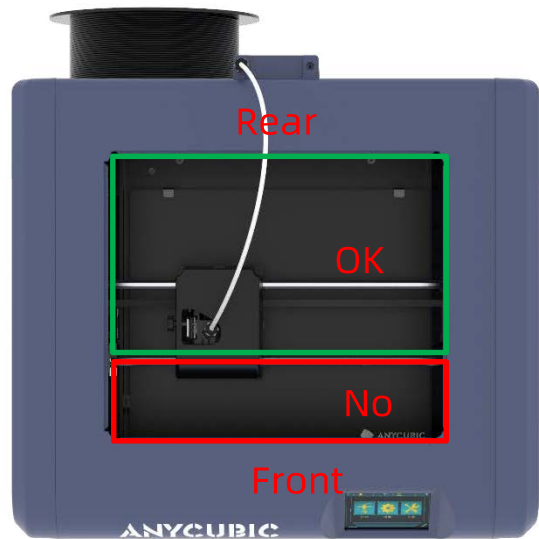
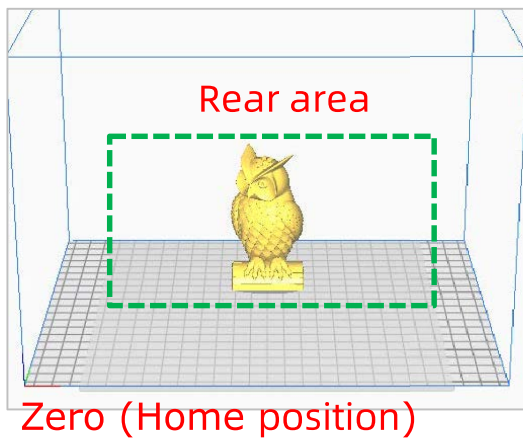
3. After the filaments re-installed, use tweezers to clean the filament residue on nozzle tip. Then click "CONTINUE", the print will start again from the last position.



# Resume from outage

4Max Pro2.0 allows resume print after accidentally power loss (This function only valid when print offline, via memory card only).

1. In slicing software (i.e. Cura), it is required to place the model at the rear of the platform. Because during “RESUME”, machine will home first and could touch/interfere with the unfinished object if the model was placed in the front area.

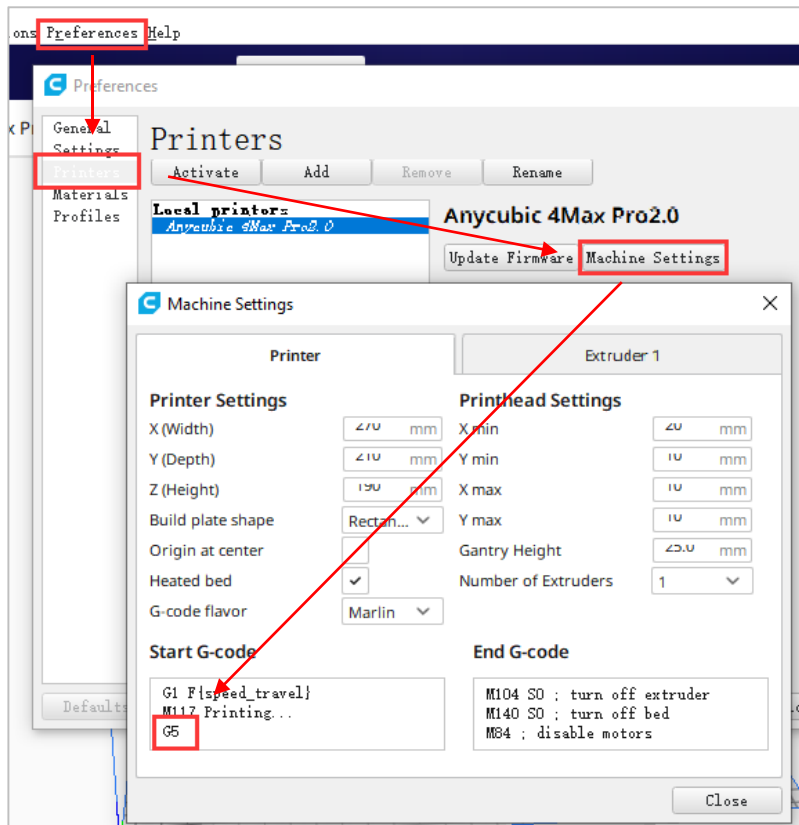


2. For the first time of using this function, customers are required to add “G5” to the “Start G-code”. Then, save the model as GCode file to the memory card by “File” → “Save GCode”.

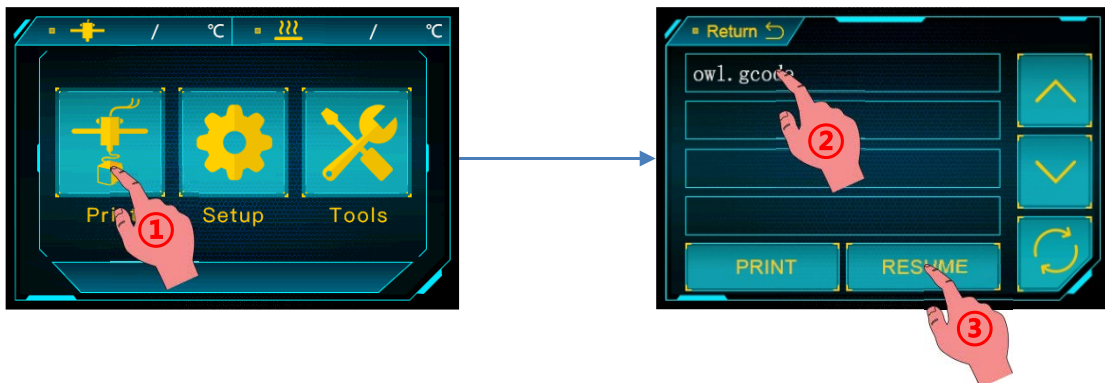
## Note:

- ① “Resume from outage” is valid only for offline printing;
- ② Just type the “G5” when you use it for the first time, G5 will be automatically added later, without having to manually type it again.

# Resume from outage



3. During printing, if there is an accident power loss, the print will stop immediately. But after power comes back, customers could choose “Print” → select the unfinished file → “RESUME, machine will home first and continuing on the unfinished object.



## Note:

- ① In order to get smooth surface, use tweezers to carefully remove the excessive filament at nozzle before continuing print upon the last point.

## Resume from outage

---

- ② Do not move Z axis after power off otherwise resume will be invalid.
- ③ 4Max Pro2.0 supports resume from outage only when print offline
- ④ This function is developed based on Cura. We could not guarantee this function compatible with other slicing software.
- ⑤ Due to the differences of filaments, temperature, extrusion, etc...we could not guarantee a perfect surface at the point of "RESUME", especially for small objects.



# Troubleshooting

---

## 1. Motor shaking or abnormal sound

- ① The corresponding end stop could not be triggered when home, check the wirings, and inspect any obstacles by manually moving the corresponding axis
- ② The motor cable are not connected properly, check each connection and then inspect the cable routing for any faults
- ③ The motor is damaged.
- ④ The motor driving wheel is loose.
- ⑤ The belt is loose, please check the belt tension at each position of X/Y/Z. And whether the belt is slippery during motor movement or not.

## 2. File not printing or memory card failure

- ① Remove the memory card and insert into PC. Open the GCode files using text editor (eg. Notepad), and inspect if GCode is readable or not. If files contains of multiple “ÿÿÿ” symbol, then file has been corrupted. Try reformatting the memory card to FAT32 format and reloading the GCode file
- ② Memory card is not readable, ensure file name does not contain special characters or Change memory card
- ③ Touch screen freeze, reboot the machine and try again

## 3. No extrusion or extrusion motor knocking

- ① Ensure that the nozzle temperature has been set to match the filament
- ② Filament tangled on spool

# Troubleshooting

---

- ③ Not enough cooling for the hotend
- ④ Nozzle clogged please try to replace it or clean it with the nozzle cleaning needles
- ⑤ Teflon tubing has been tangled, squeezed or bent

## 4. Filament leaking

- ① Nozzle or throat tube is not tightened properly, try to fix/change it after cooling

## 5. Layer shifting

- ① Print head moving too fast, slow down the print speed.
- ② Check the belts and driving wheels and ensure they are properly installed.
- ③ Grease the rods and check all nuts and bolts remain tightened.

## 6. The print head falls during the printing process, scratch the platform or crush the model

- ① Please remove the plastic cover of the print head and check whether the screws attached to the print head are loose (please consult customer service for more details)

## 7. No sticking to the bed

- ① The nozzle is too far from the platform, please try to re-level; at the same time set the "initial layer thickness" to 0.2 in Cura, and set the "initial layer line width" (for example, set to 150) to improve the first layer adhesion.

# Troubleshooting

---

- ② Print too fast at the bottom layer speed, reduce it to ~20mm/s
- ③ Ensure that the print platform is clean (use detergent solution if necessary)
- ④ Add a brim or raft to the model in slicing software

## 8. Freezing screen

- ① Please check if the soft cable above the screen is loose (you need to open the plastic base to check if the screen cable is loose)
- ② Inspect if the touch screen has been pressed by something
- ③ Check if screen has cracks, if so, please contact our after sale service via official website [www.anycubic.com](http://www.anycubic.com)

## 9. T0 sensor abnormal

- ① Check the wiring of the hotend and ensure a good connection
- ② Check if there is any pins bent inside the connector

## 10. Print head move abnormal

- ① Check if choosing the right machine type in slicing software
- ② Check if any plugins in the slicing software

11. When leveling, if the adjustable nut is completely loose (tightened), the platform is still far away (near) from the print head, this time you need to adjust the Z adjustable screw down (up) .

## 12. Print stopped halfway

- ① Check if the GCode file is corrupted
- ② Delete plugins in the GCode file
- ③ Use print offline mode (memory card) instead of print online via data cable
- ④ The quality of the memory card is unstable. Try changing another brand memory card.
- ⑤ The power supply voltage is unstable. Please print again when the voltage is stable.

Thank you for purchasing **ANYCUBIC** products! Under normal usage and service, the products and its parts have a warranty period up to one year. Please visit **ANYCUBIC** official website ([www.anycubic.com](http://www.anycubic.com)) for more details and report any issues with **ANYCUBIC** products. Our professional after-sale service team would response within 24 hours and help you to solve the issue.