



Pyramid

3D PRINTER

Quick Installation Guide

Safety Instructions



When printer is working, please beware of the high temperature of hot bed, extruder head, and other hot parts, Please don't touch any hot part during printing in case of scald. Please note hot parts need time to cool down after working.



The printer has 220V AC/110V AC voltage and other high voltage power connector, Please don't touch conductive part in case of electric shock.



The power of some key parts of the printer (such as hot bed, extruder head) is stronger, During installation and usage, please ensure all terminals connected tightly to avoid any sparking may be caused by loose wiring. To ensure safety, printer should be manned during working.



The printer belongs to mechanical equipment. When it is working, please don't touch moving parts in case of mechanical wounding.

Contents

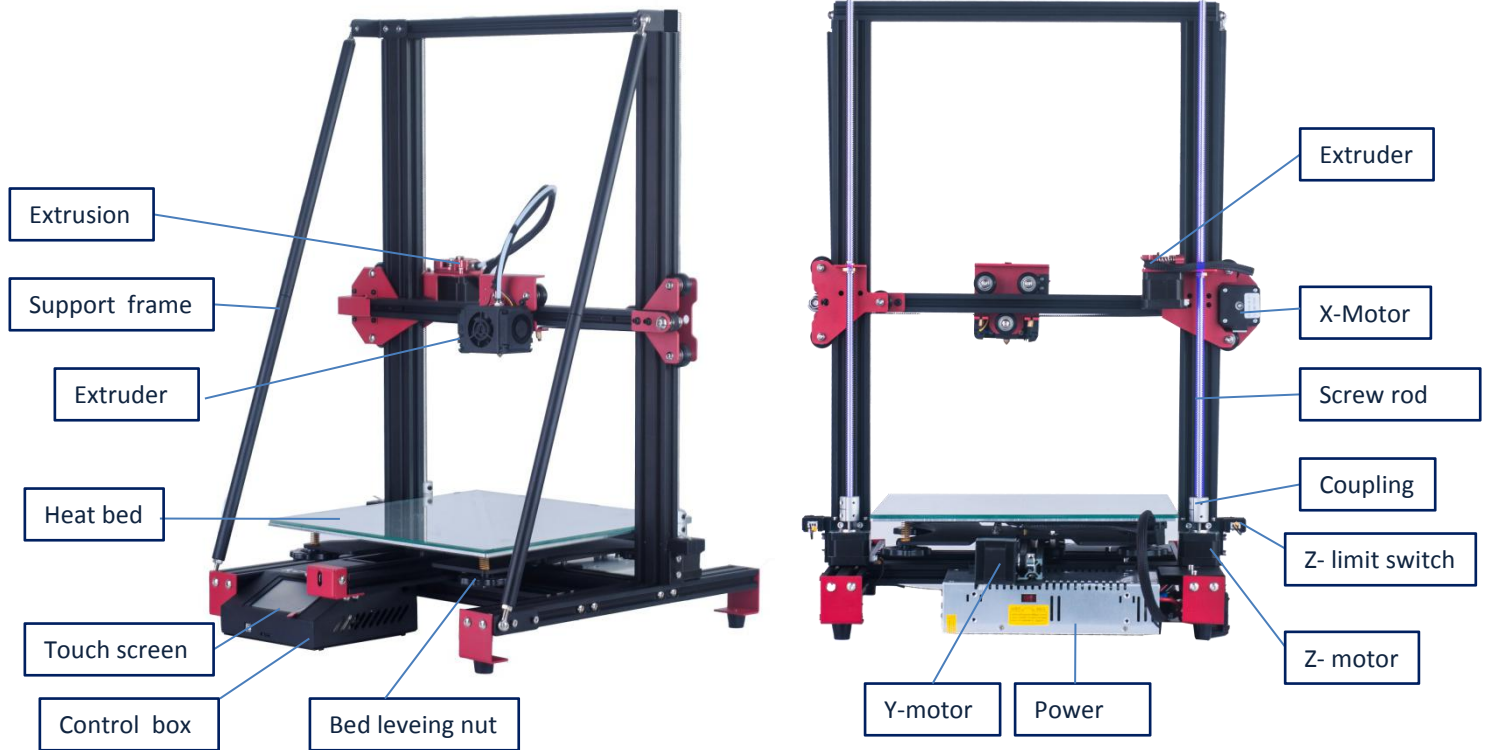
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Machine parameters

Printing Size(mm)	300*300*400		Molding Tech	FDM
Slice Software	CURA /Simplify3D/ Repetier-Host ect		Power Supply	AC :115-240 V DC:24V 15A
Nozzle Number	1		Total Power	360W
Slice Thickness	0.1-0.4mm		Bed Temp	≤ 110°C
Precision	±0.1mm		Nozzle Temp	≤ 260°C
Nozzle Diameter	0.4mm.Support 0.2/0.3/0.6/0.8mm		Printing Speed	≤180mm/s, Normal 30-60mm/s

2 Structure introduction



3.1 Part list



1 Printer base*1

2 2040 aluminum profile*2

3 Z-motor *2

4 Coupling *2

5 M4×20 *4

6 M4×16 *6

7 X-axis left part*1

8 X-axis right part*1

9 X belt bearing*1

10 Belt *1

11 Extruder part *1

12 X end stop*1

13 M3×6 *2

14 Screw rod fixing block*2

15 M5×25 *8

16 Screw rod *2

17 2020 aluminum profile*2

3.2 Part list



18 Pull rod-285mm*4

19 M5 × 8 *8

20 M6 Nut *4

21 M5 × 10 *4

22 M5 T Nut *10

23 Screws M6 × 40 *2

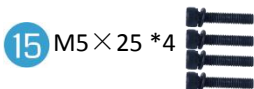
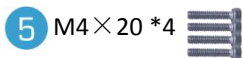
24 Live bolts M6 × 35 *4

25 Connetcor A *2

26 Connetcor B *2

4 Part 1 : Install the Z parts

Preparation list

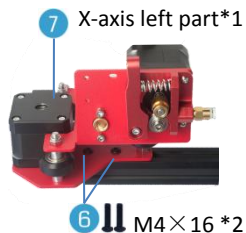


1. Install the 2040 aluminum profile on the printer base, with 2 pcs M4 x 20 each side.

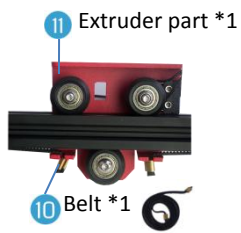
2. Install the motor & Coupling to the 2040 aluminum profile with M4 x 20



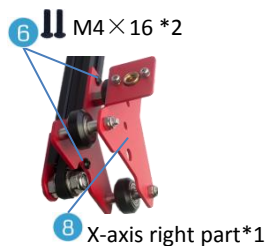
Part 2: Install the X parts



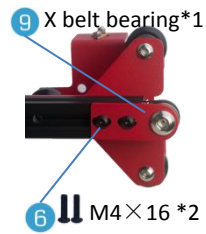
Step1
Install X-axis left part
with 2 pcs M4×16



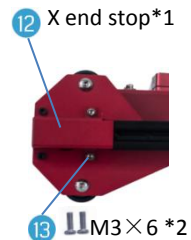
Step2
Install Extruder part
with the belt pass
through the X-axis



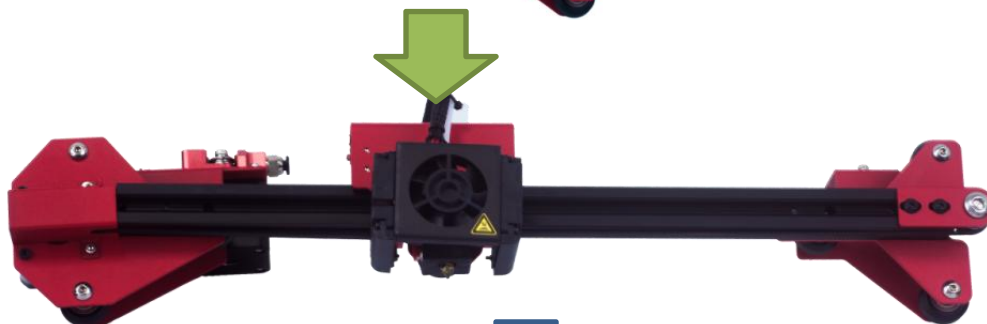
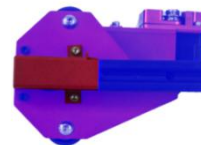
Step3
Install X-axis right
part with 2 pcs
M4×16



Step4
Install X belt bearing
with 2 pcs M4×16

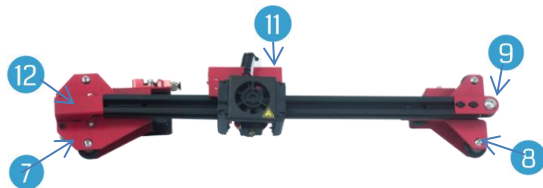
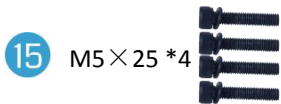


Step5
Install X end stop
with 2 pcs M3×6



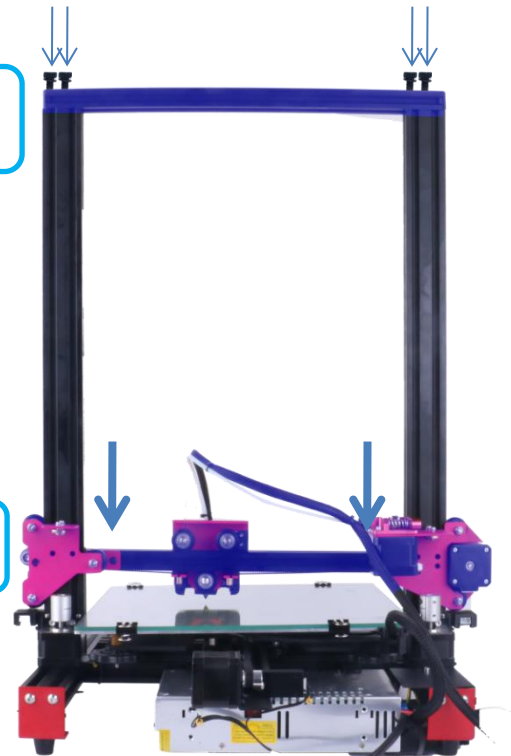
Part 3: Fixed gantry

Preparation list



Step 2: Install the Gantry top beam with 2 pcs M5×25 each side

Step 1: put the X-axis part pass through the 2040 pillar



Part 4: Installing screw rod

Preparation list



Step 2: Install the screw rod fixing block

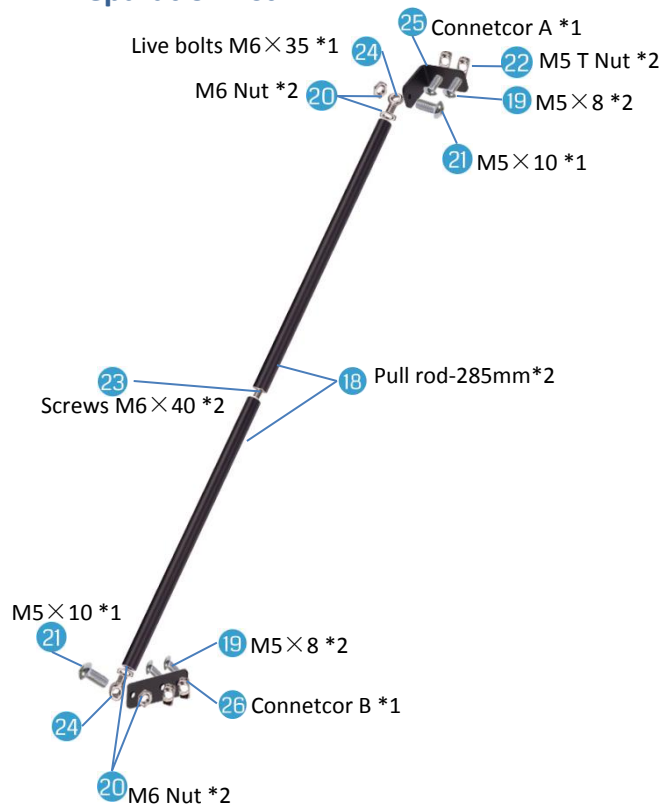


Step 1: Install the Screw rod and tighten the Couplings

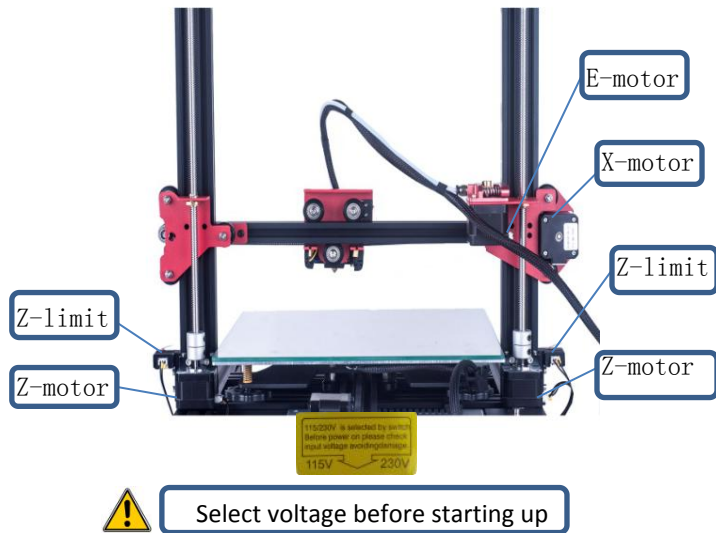


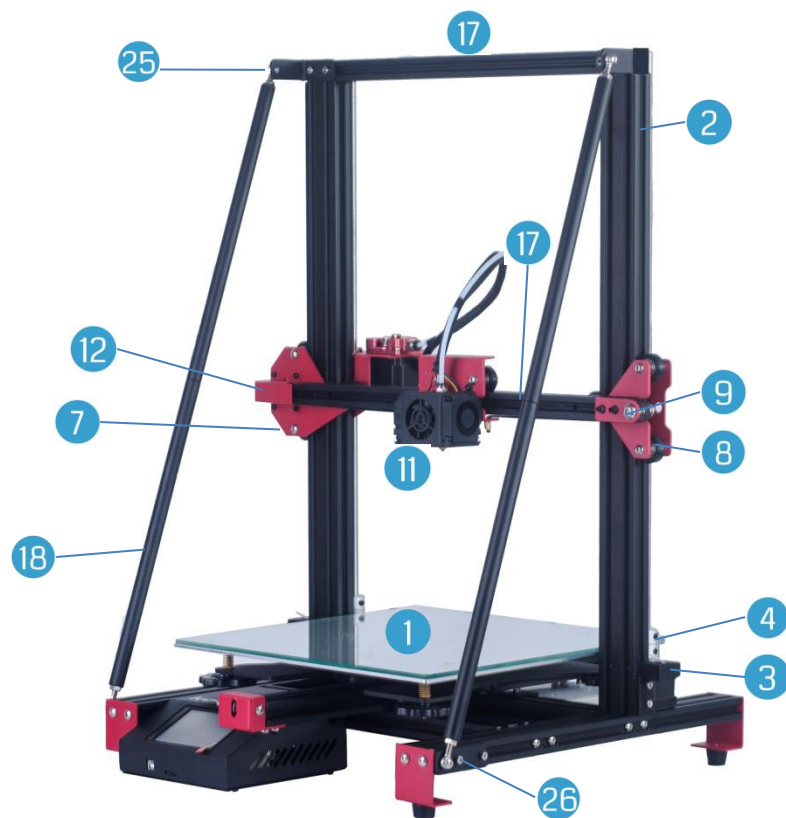
Part 5: Install support rod

Preparation list



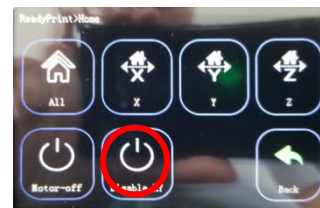
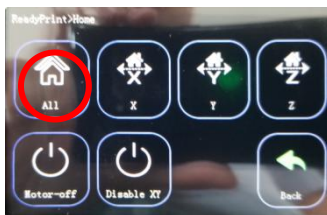
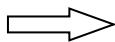
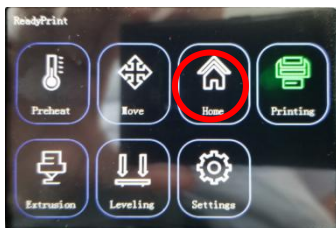
Part 6: Line connection



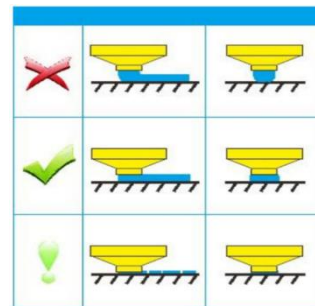
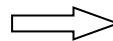
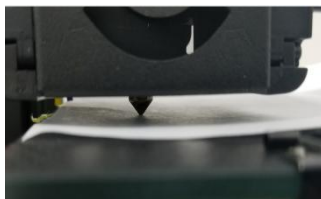
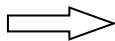


5.1 Level the heated bed

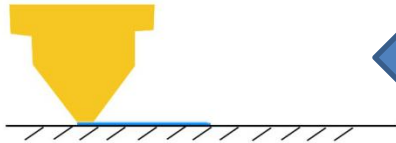
1. Auto Home → All → Disable xy



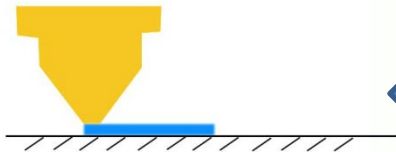
2. Test with A4 paper, adjust the nuts under the platform up and down, to make the nozzle just presses the A4 paper, and ensure that the four corners are the same distance. Repeat steps 1-2 times if necessary



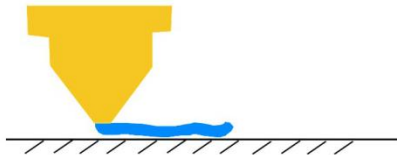
5.2 The normal distance



Too close: The short distance may lead to abnormal discharge or even damage caused by plugging the nozzle



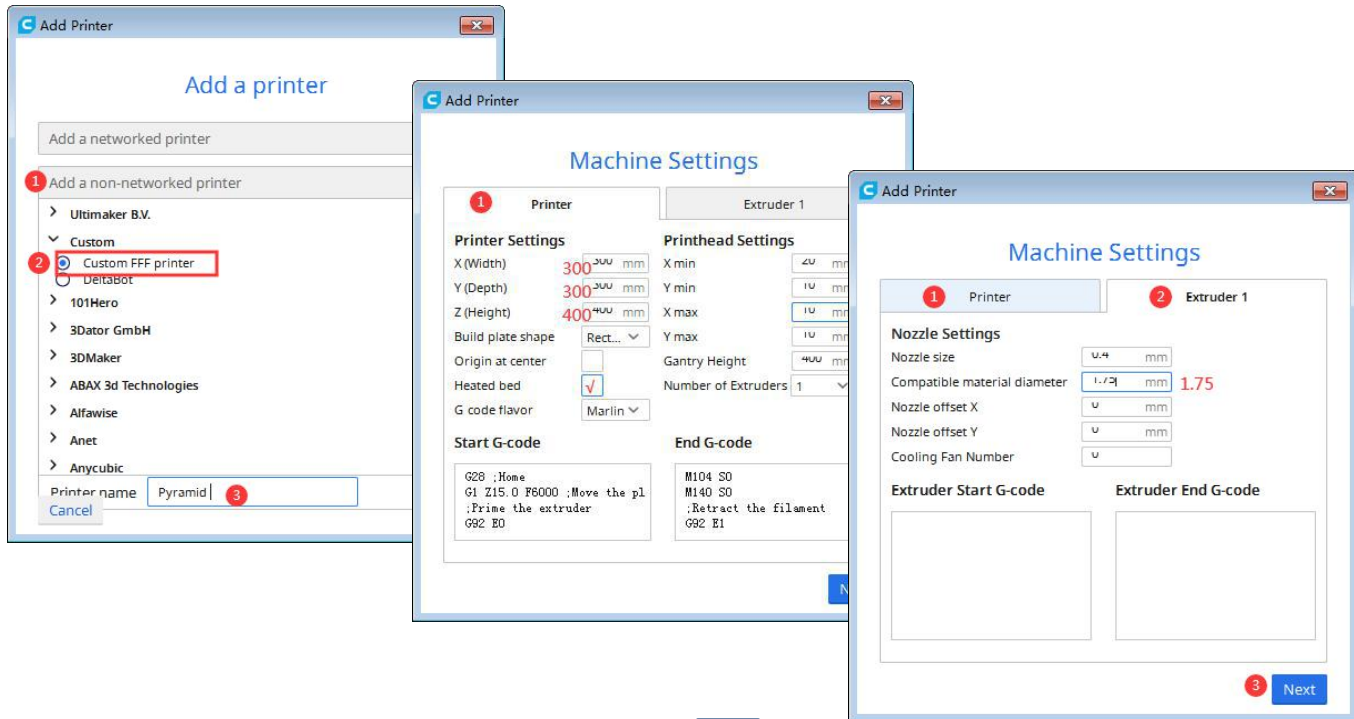
Normal: The correct distance will help you to complete the printing work better and more economically



Too far: Too far distance will cause printing materials to be unable to attach to the hot bed, so that they cannot be printed normally

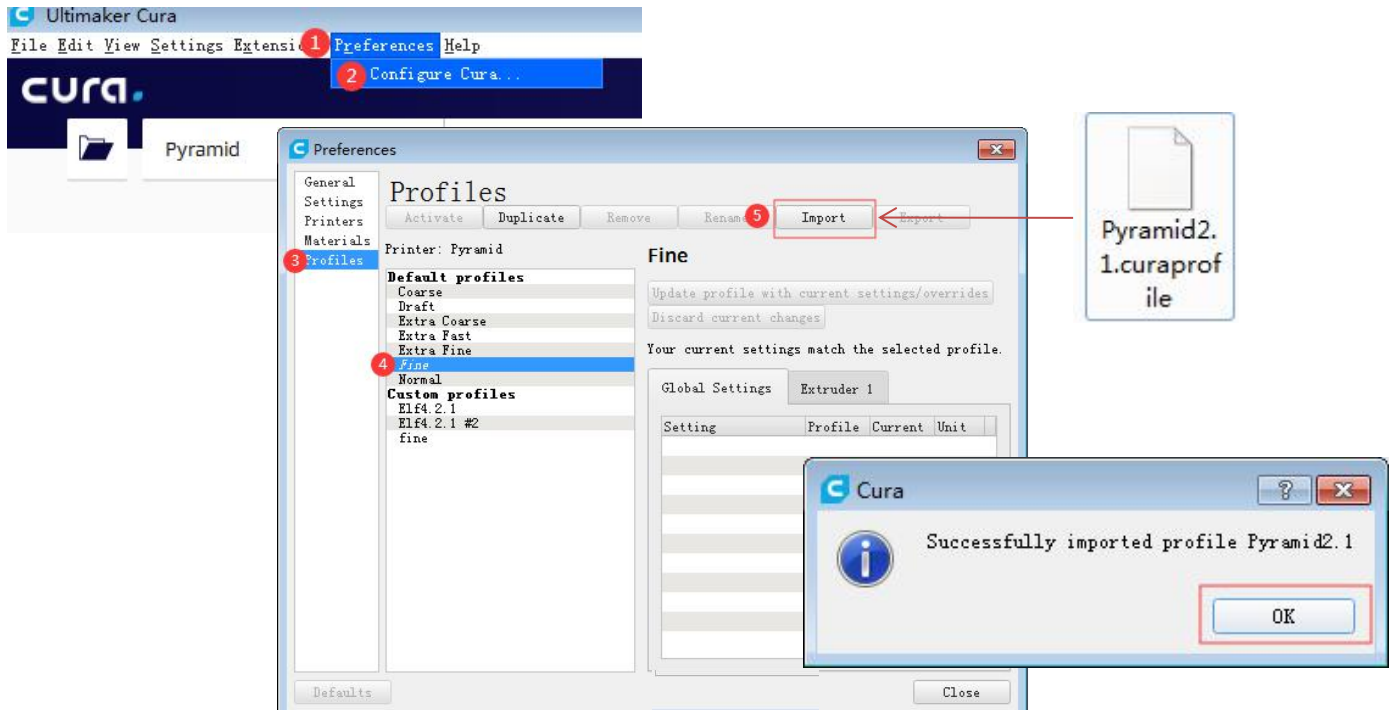
6.1 Installation software

1. Open the SD card, find the CURA(or download online), After installing the software: Add a printer → Settings



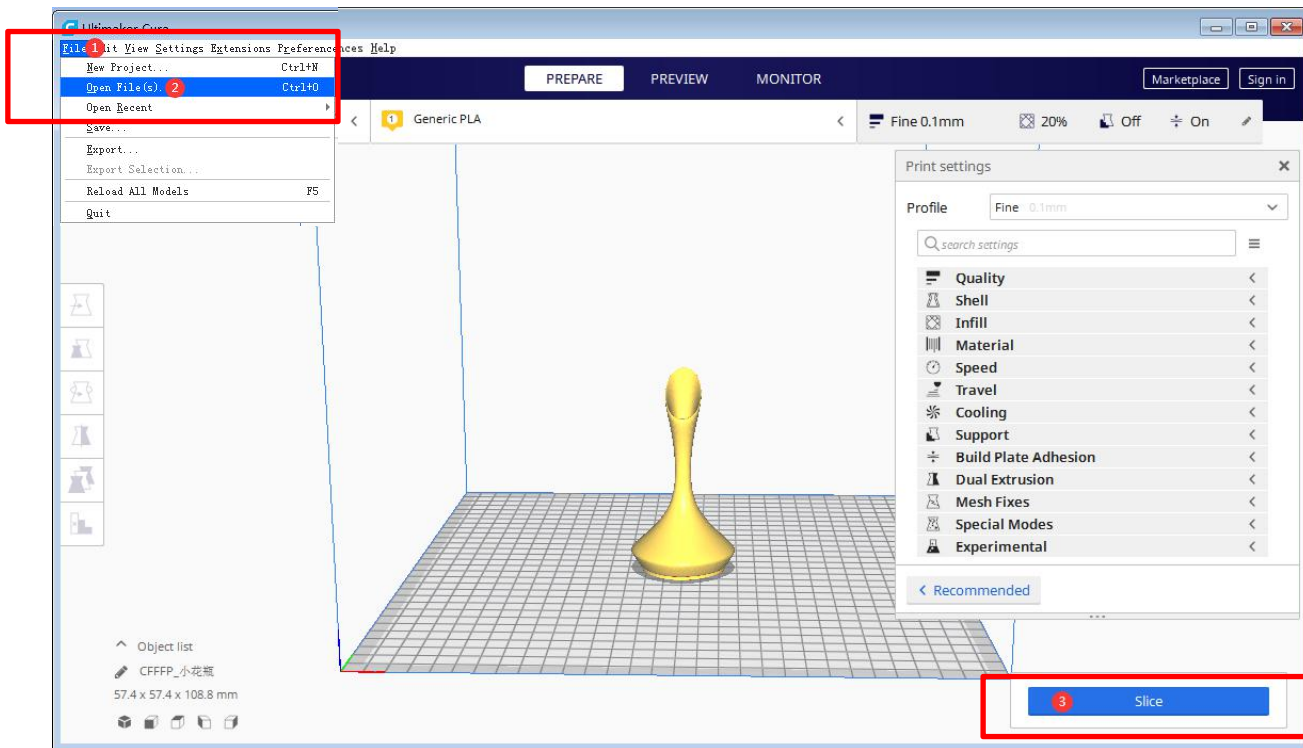
5.2 Installation software

2. Import the profile from the SD card



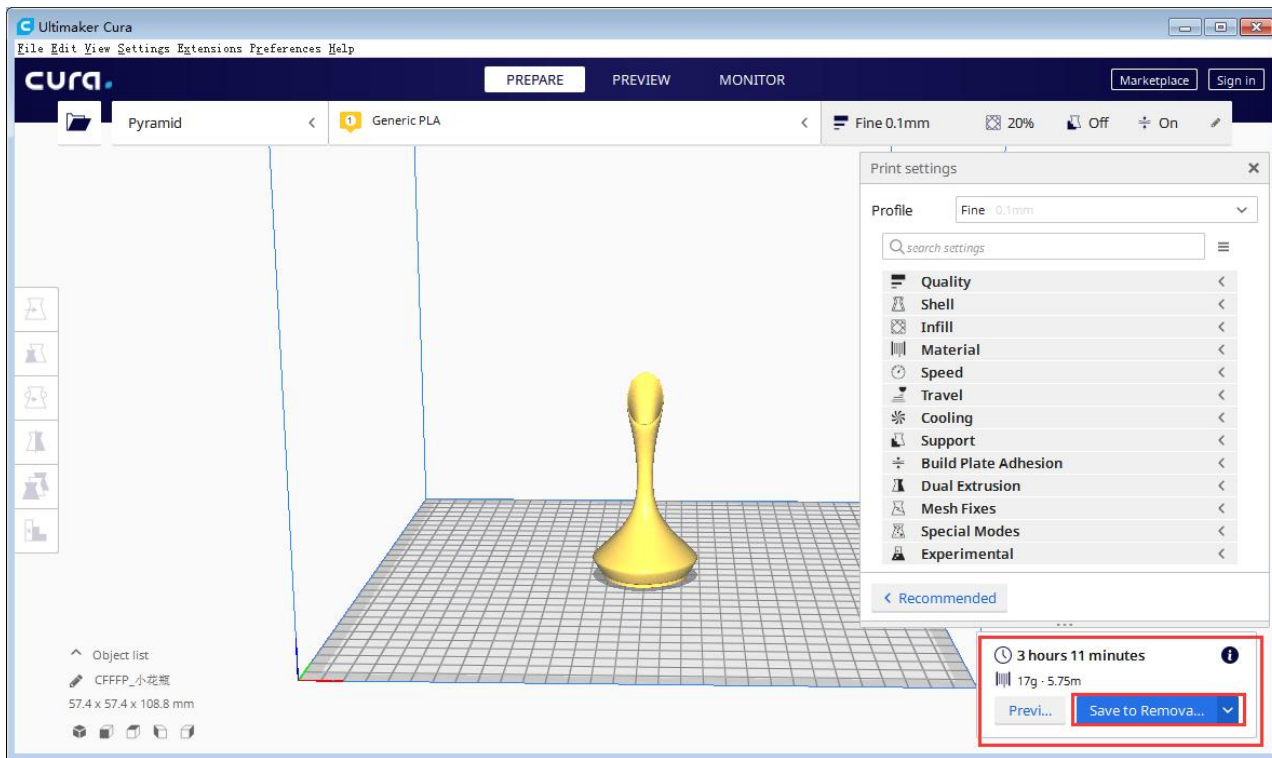
7.1 Start printing

1. Open the Cura : File -----Open file(Import your STL)----- Slice



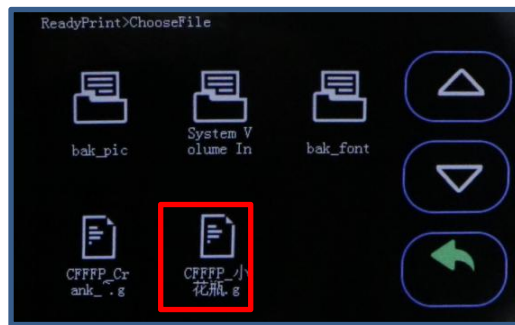
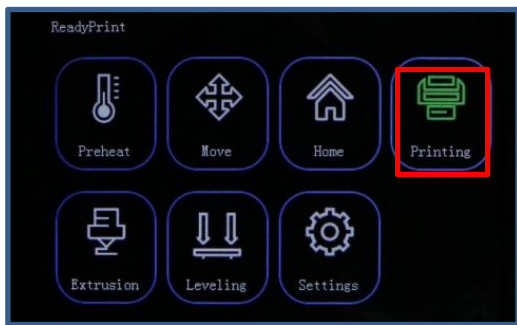
7.2 Start printing

2. Save file to the TF card

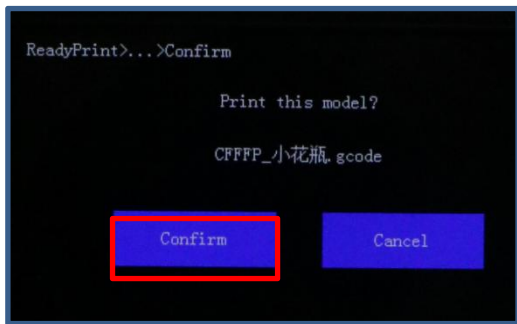


7.3 Start printing

3. Put the TF card to the printer, Select “Printing”----Select your file



4. Select “Confirm”, then start printing after heating



8. Warm reminder

Dear customers:

1. In order to ensure the quality of products, we will carry out printing test for each printer in the factory. If you find that the nozzle has slight traces of use, this is left by the printing test. We try to clean it up as much as possible, but please don't mind.

2. The factory test voltage is 220V. When installing, please select 110V or 220V according to your local power supply to ensure the printer can work normally. Please find the following power supply identification, and use a screwdriver or tweezers to move the regulator on the power supply.





Tips: More informations on the TF card

email: service@fasttobuy.com
Amazon: fasttobuyli@gmail.com
Amazon store: www.amazon.com/shops/toauto

