

ShenZhen Creative3D Technology Co.,Ltd



www.creative3dprinter.com



ELF
Core XY
3D Printer

USER MANUAL

Attentions

Do not place the Printer near flammables, explosives or heat sources. It is best to place it in a well-ventilated, low-dust environment.

Do not expose the Printer to violent vibration or any unstable environment. This will cause poor print quality.

The filaments recommended by the manufacturer are preferred as to avoid clogging in the hot end and/or Printer damage.

Do not use any other power cable than the one supplied. Use a grounded three-prong power outlet.

Do not touch the nozzle or hot bed during printing. Keep hands away from machine while in use to avoid burns or personal injury.

Do not wear gloves or loose clothing when operating the Printer. These loose articles can become caught in moving parts and cause personal injury or Printer damage.

Clean off filament from the nozzle tip with the provided pliers before the nozzle cools. Do not touch the nozzle directly. This can cause personal injury.

Clean the Printer frequently. With the machine powered off, clean the printer body with a dry cloth to remove dust, adhered printing materials and foreign objects on guide rails. Use glass cleaner or isopropyl Alcohol to clean the print surface before every print for consistent results.

Children under 12 years of age should not use the Printer without supervision.

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.



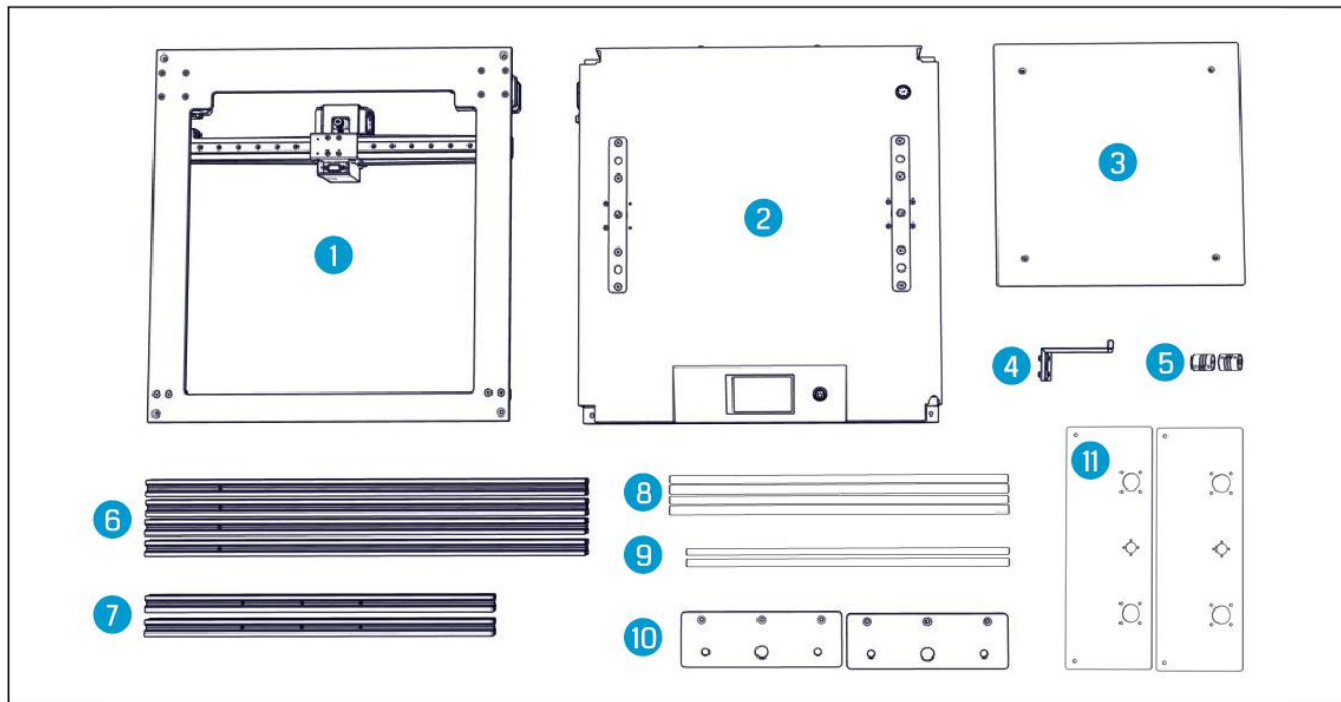
The printer has 220V AC/110V AC voltage and other high voltage power connector, Please don't touch conductive part in case of electric shock.



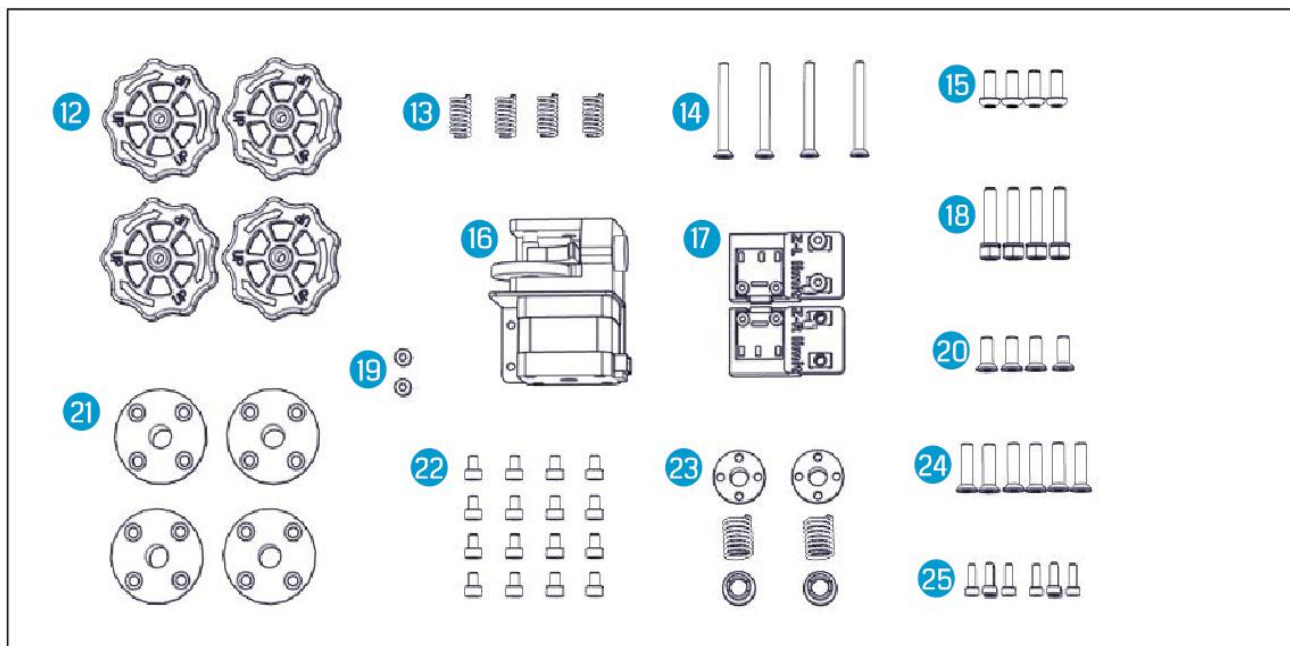
The power of some key parts of the printer (such as hot bed, extruder head) is stronger, During installation and usage, please ensure all terminals connected tightly to avoid any sparking may be caused by loose wiring. To ensure safety, printer should be manned during working.



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



- | | | | |
|----------------------|--------------------------------|-----------------------------------|--------------------------|
| 1 TOP Part *1 | 2 Main controller *1 | 3 Heated bed *1 | 4 Rack *1 |
| 5 Coupling *2 | 6 Aluminum 2020 L560 *4 | 7 Aluminum 2020 L440 *2 | 8 Optical axis *4 |
| 9 T-screw *2 | 10 Secure blocks *2 | 11 Hot Bed support part *2 | |



12 Platform nut *4

13 Spring *4

14 M4*40-P *4

15 M5*10 *5

16 Extrusion&34motor *1

17 L/R Z limit *1

18 M5*25 *4

19 M3*5 *2

20 M5*14-P *4

21 Flange bearing *4

22 M4*8 *16





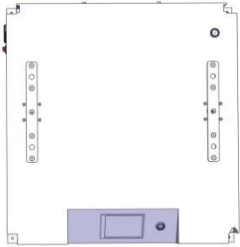
23 Anti-Backlash Nuts + Spring *2

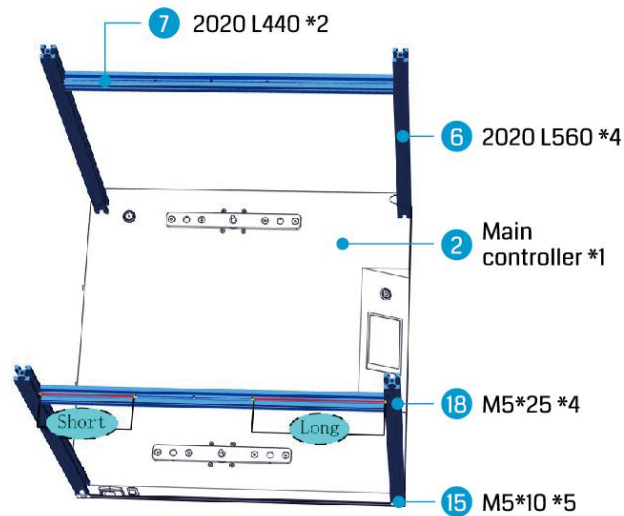
24 M5*20-P *6

25 M3*10 *8

Step 1






Preparation List

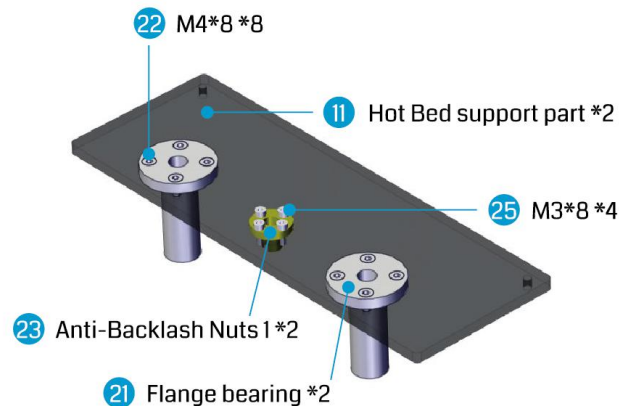
M5*25	*4	
M5*10	*4	
2020-L560	*4	
2020-L440	*2	
Main controller	*1	



Step 2






Preparation List

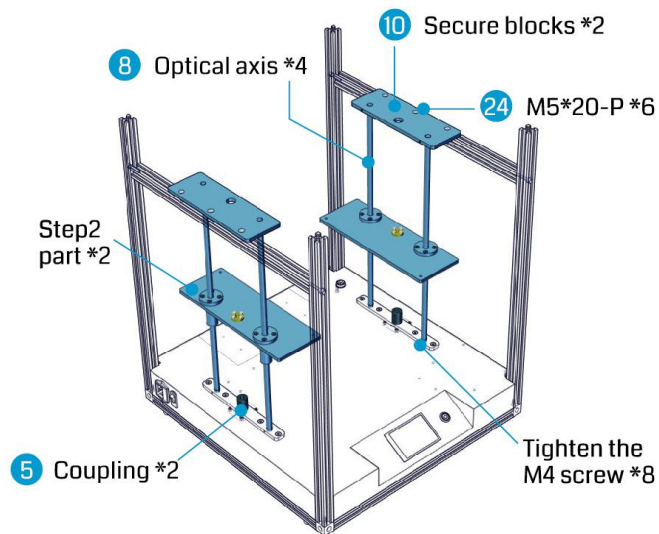
M4*8	*16	
M3*8	*6	
Anti-Backlash Nuts-1	*2	
Flange bearing	*4	
Hot Bed Support part	*2	



Step 3






Preparation List

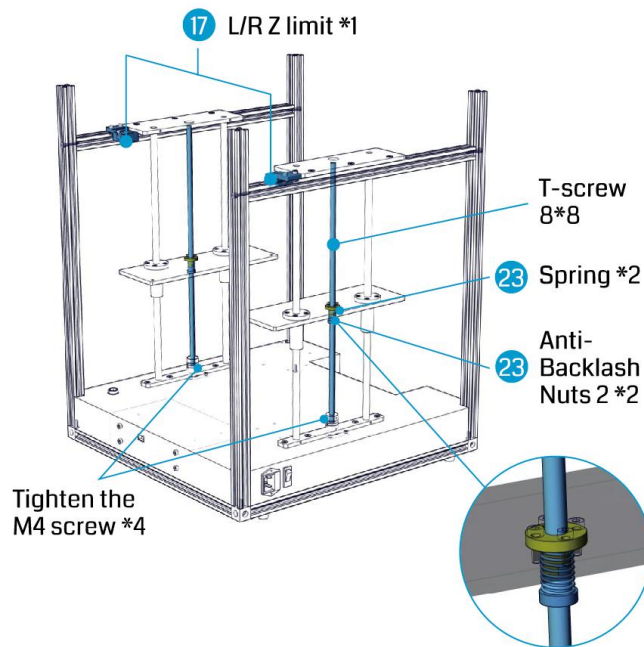
M5*20-P		
Coupling	*2	
Optical axis	*4	
Secure blocks	*2	
Setp2 part	*2	



Step 4




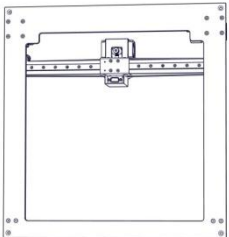
Preparation List

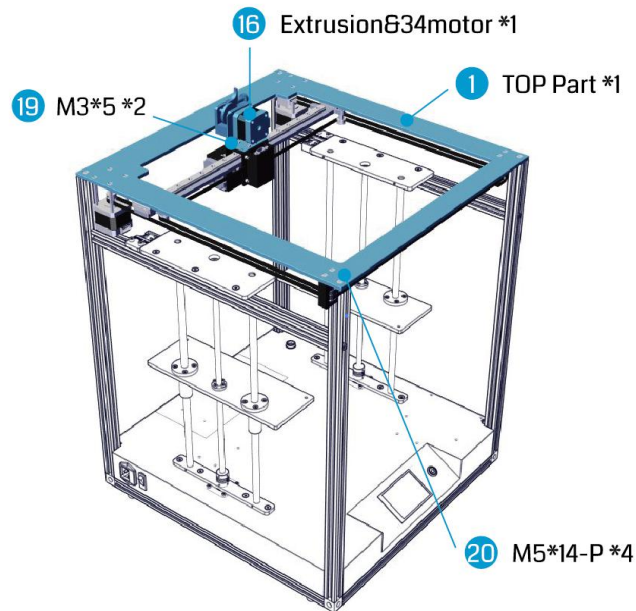
Z- L Limit	*1	
Z- R Limit	*1	
T8*8	*2	
Anti-Backlash Nuts-2	*2	
Anti-Backlash Nuts-3	*2	



Step 5






Preparation List

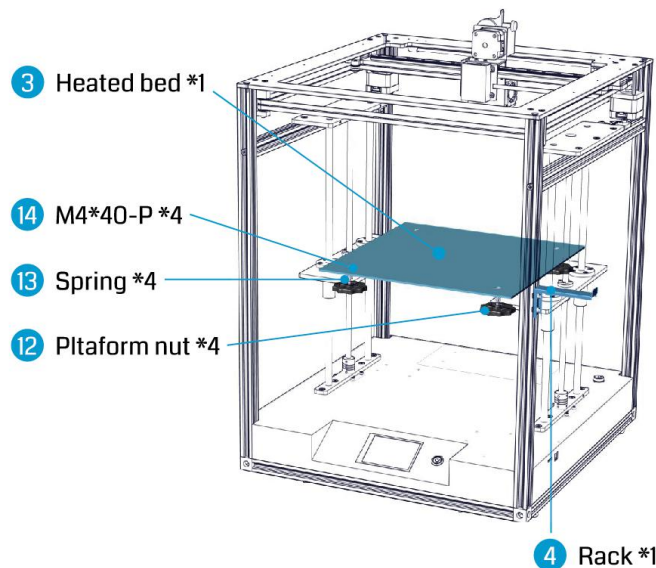
M5*14-P	*4	
M3*5	*2	
Extrusion & 34motor	*1	
Top part	*1	



Step 6

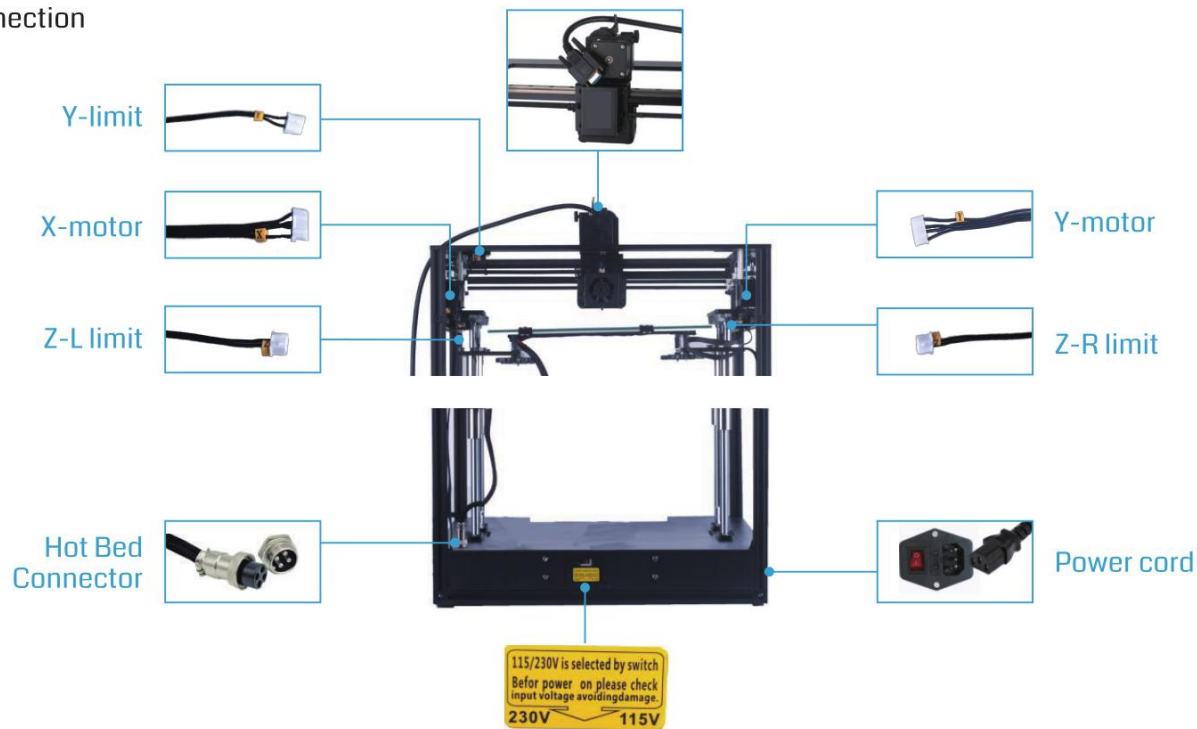
Preparation List

M4*40-P	*4	
Spring	*4	
Platform nut	*4	
Heat Bed	*1	
Rack	*1	



Step 7

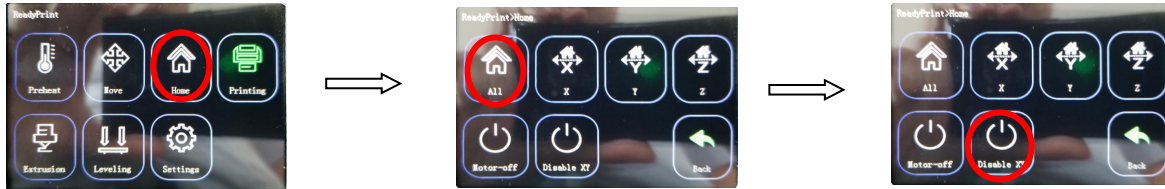
Line connection



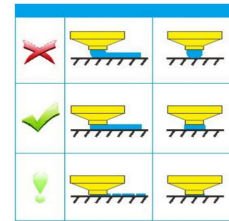
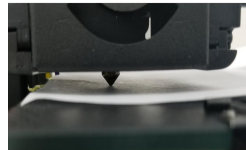
Select voltage before power on

Bed Leveing

1. Auto Home → All → Disable xy

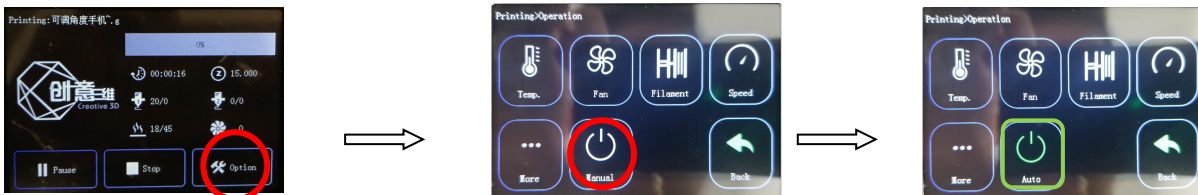


2. Test with A4 paper, adjust the nuts under the platform up and down, to make the nozzle just presses the A4 paper, and ensure that the four corners are the same distance. Repeat steps 1-2 times if necessary



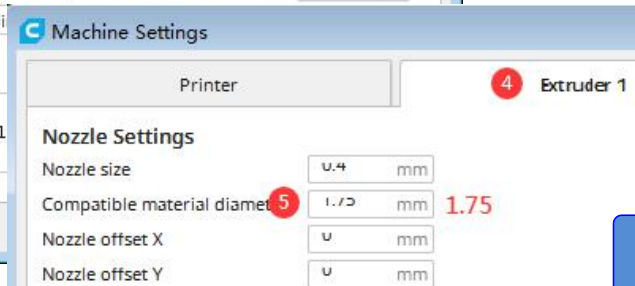
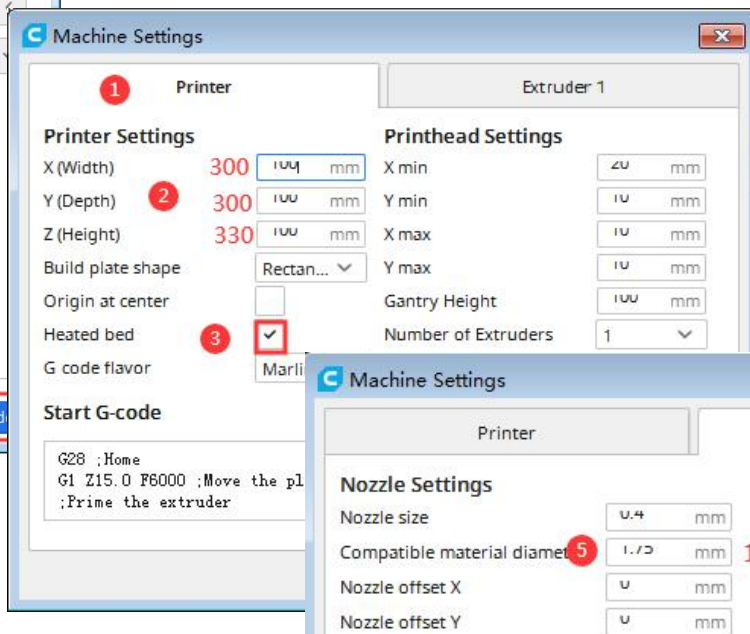
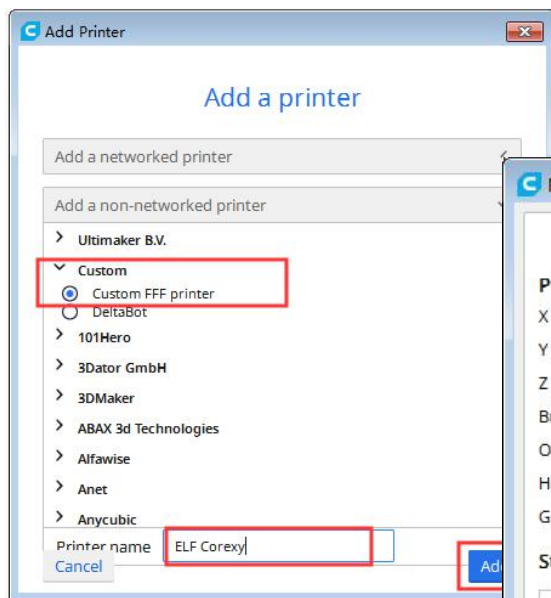
Automatic shutdown

If you want the printer to shut down automatically after printing, please do the following:



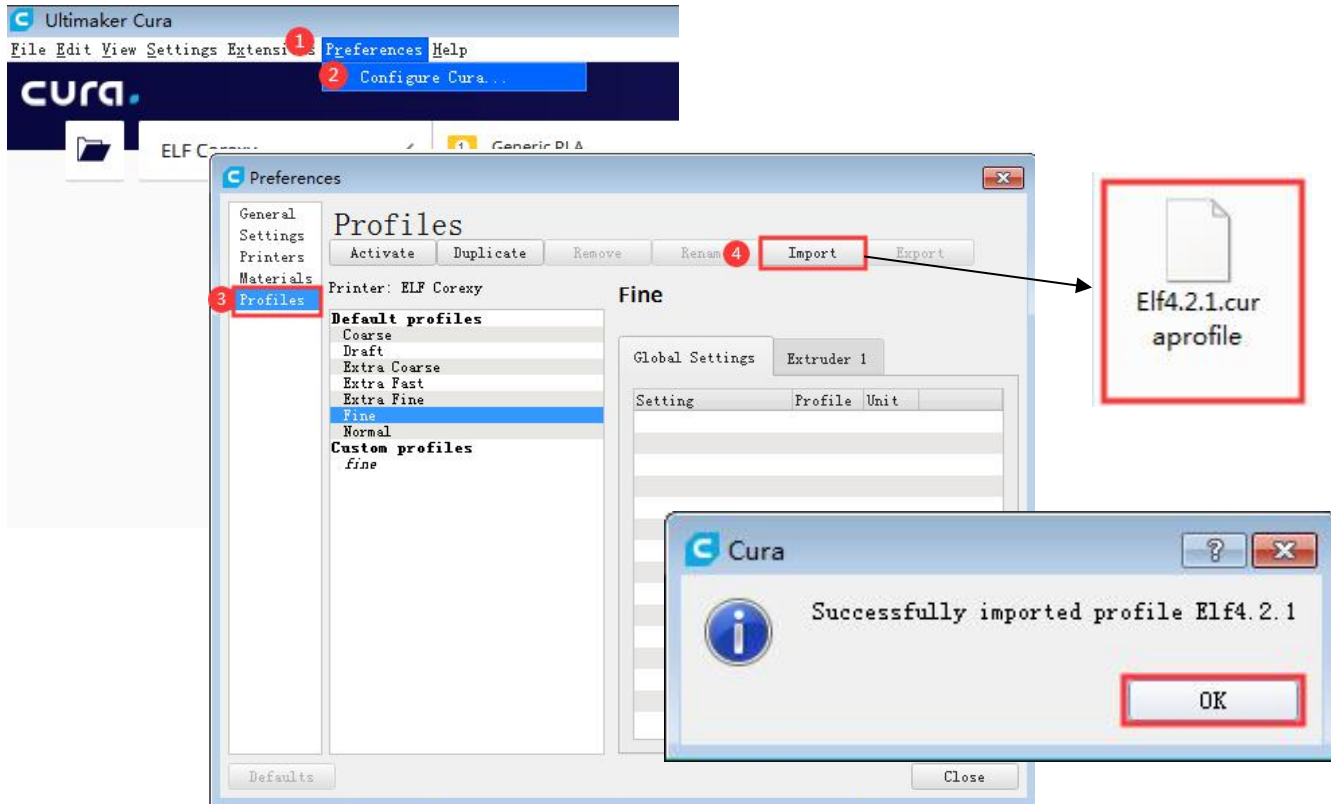
Software Installation

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

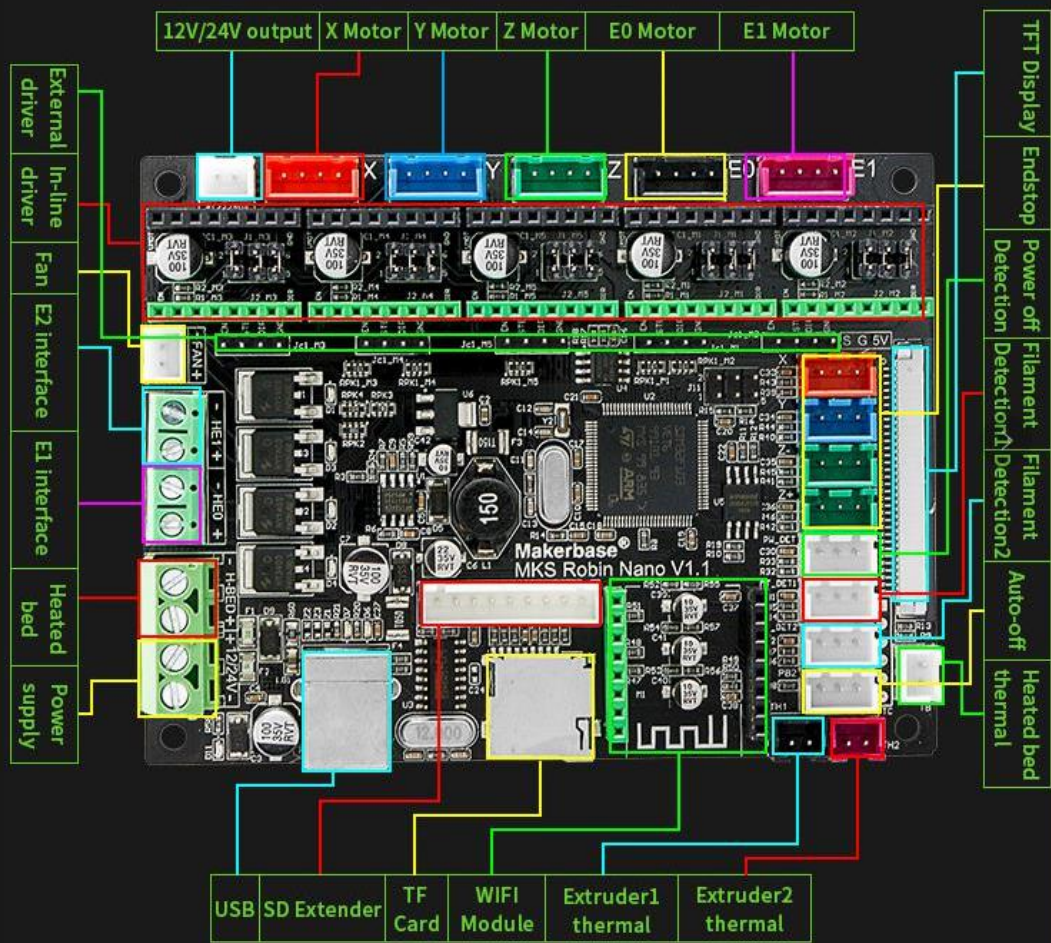


Software Installation

2. Import the profile from the SD card



Wiring



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