









## Cover

# Packing List

		
	Wrench and screw bag (1set)	Diagonal pliers (1pcs)
		
BIQU-B1 (1pcs)	TF card and card reader (1set)	UM2 nozzle (2pcs)
		
power cable (1pcs)	Rack (1pcs)	BLtouch stand (1pcs)
		
Data cable (1pcs)	Filament for test (45g)	Cable tie (5pcs)

## 基本参数

Printer Name	BIQU-B1
Printing Size	235 x 235 x 270mm
Molding Tech	FDM
Nozzle Quantity	1 PCS
Layer Thickness	0.1mm - 0.3mm
Nozzle Diameter	Standard 0.4mm
Printing Accuracy	$\pm 0.05\text{mm}$
Filament	PLA
Slicing Format	STL / OBJ / AMF
Connecting Method	Via Wifi / TF card / USB
Slicing Compatible	With Cura / Repetier-Host / Simplify 3D
Rated Voltage	100 - 120V / 200 - 240V    50 / 60 HZ
Output Voltage	24V
Rated Power	270W
Max Temp of Hot Bed	100°C
Max Temp of Nozzle	260°C

OS compatible	with Win 7 / Win 10
Max Printing Speed	100mm/s
Normal Printing Speed	60mm/s
Language Transform	Supported
Power-loss Recovery	Yes
Filament-jam Detection	Yes

**Shenzhen Bigtree Technology Co.,Ltd**

二维码

# User Manual

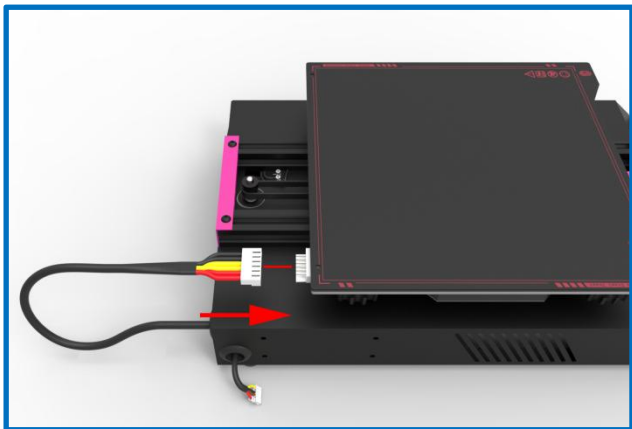
Address: Floor 2, Building B, No.9, East Area, Shangxue Technology Park,  
Bantian St.,Longgang Dist. Shenzhen City, Guang dong Province.

Telephone: +86 755 33133143 +86 13798980050

E-mail: [support@bigtree-tech.com](mailto:support@bigtree-tech.com)

Web: [www.BIQU.equipment](http://www.BIQU.equipment)

## Step 1

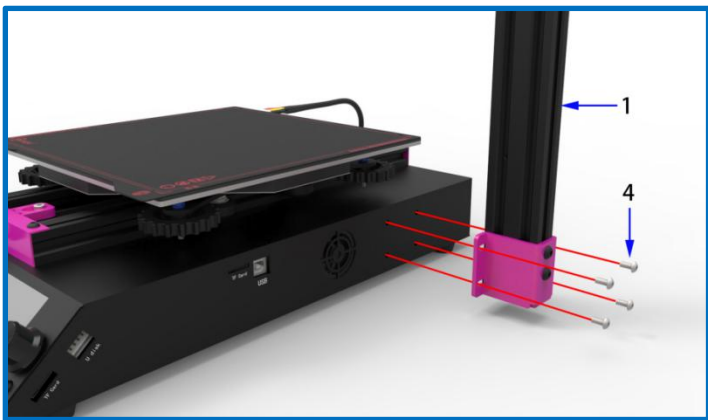
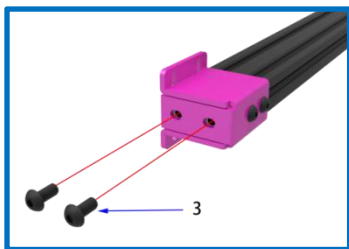
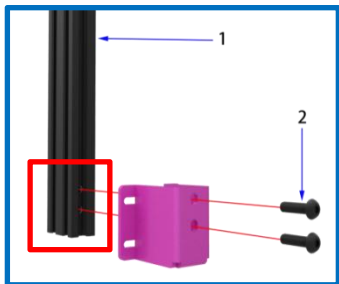


Connecting the terminal wire to the socket of the hot bed.

## Step 2

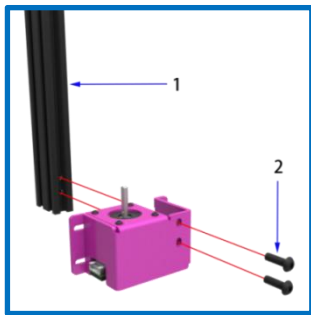
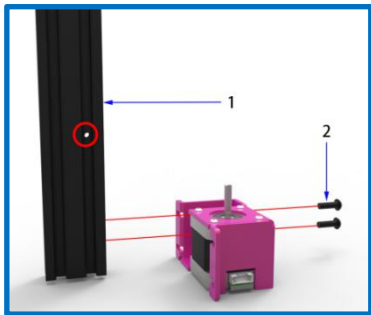


There are two M5 threaded holes on the end of the 2040 aluminum profile, which is used for mounting the M5 × 16 hex socket head screws.

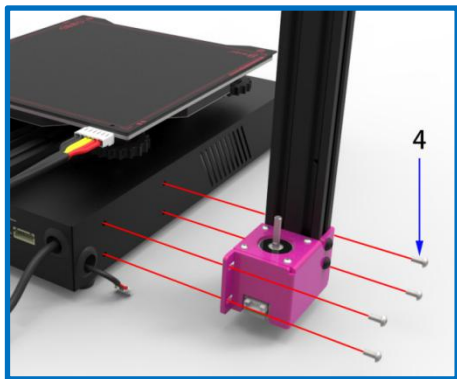
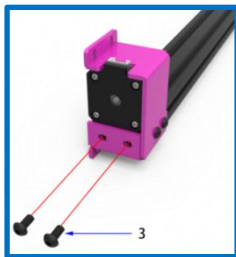


1. 2040 aluminum profile—length 456mm (1pcs)
2. M5 × 16 hexagon round-head screws (2pcs)
3. M5 × 10 hexagon round-head screws (2pcs)
4. M4 × 8 hexagon round-head screws (4pcs)

## Step 3



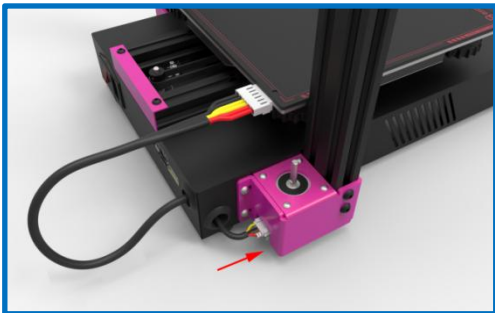
There is a M4 threaded holes on the other 2040 aluminum profile. When installation, make the threaded hole face the metal sheet part.



1. 2040 aluminum profile--length 45mm (1pcs)
2. M5×16 hexagon round-head screws (2pcs)
3. M5×10 hexagon round-head screws (2pcs)
4. M4×8 hexagon socket round head screws (4pcs)

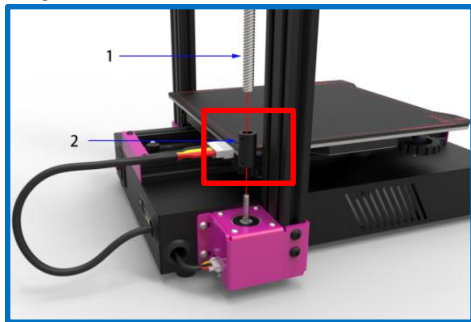


## Step 4



Connecting the terminal wire on side to the motor's port.

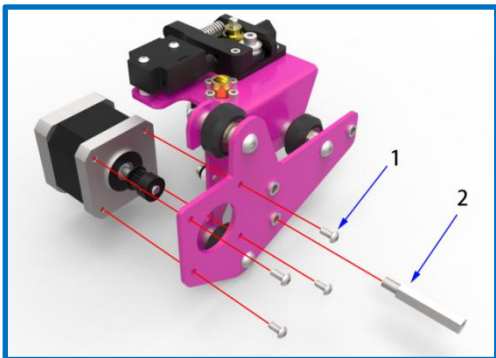
## Step 5



1. T8 screw (1pcs)
2. Coupling device (1pcs)

There are machine screws inside the coupling device, which is used to tighten the motor shaft and screw rod.

## Step 6

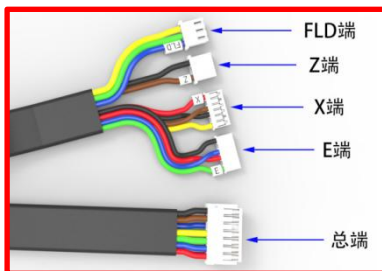


1. M3×6 hexagon round-head screws (4pcs)
2. Hexagonal isolation column (1pcs)

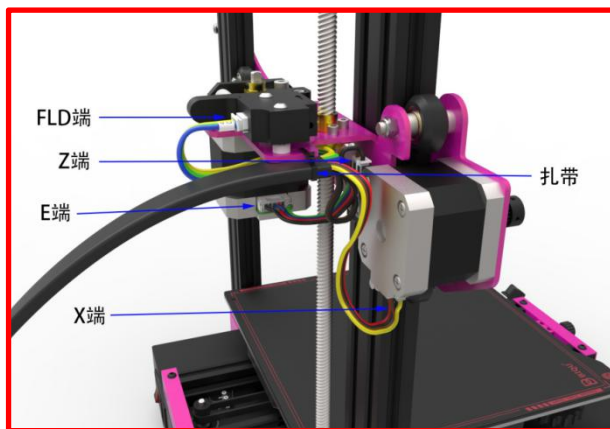
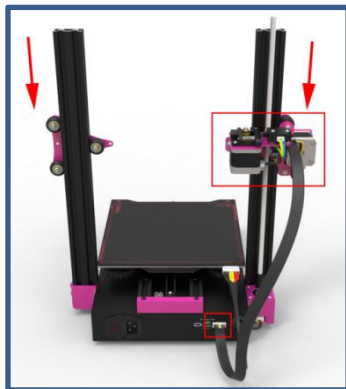
## 3. Step 7-1



4 in 1 terminal wire



## Step 7-2

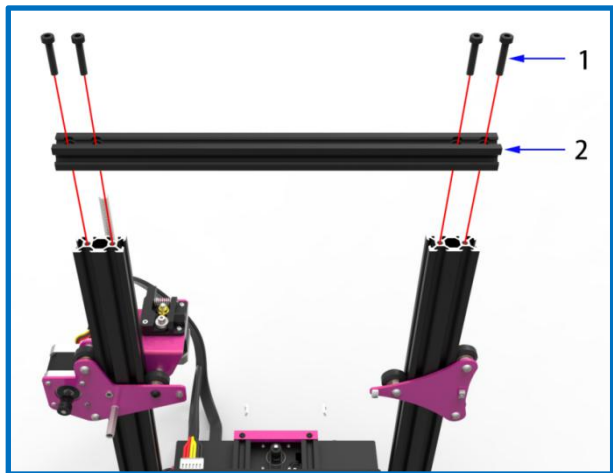


As shown above, installing the 4 in 1 terminal wire to its corresponding position. Then there are two key slots on the metal sheet part. Users can use a cable tie to fix the terminal wire through them.

## Step 7-3

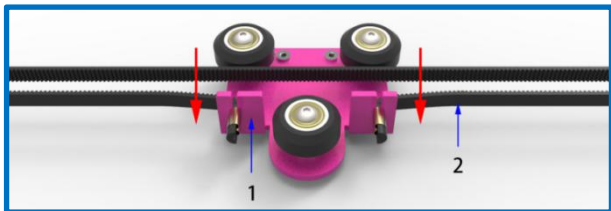


## Step 8



1. M5×25 hexagon cup-head screws (4pcs)
2. 2020 aluminum profile—length 323mm (1pcs)

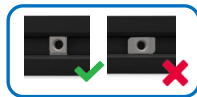
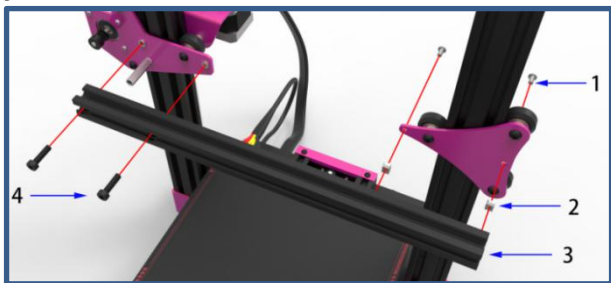
## Step 9



1. X slider sheet (1pcs)

2. belt (1pcs)

## Step 10



1. M4×8 hexagon round-head screws (2pcs)

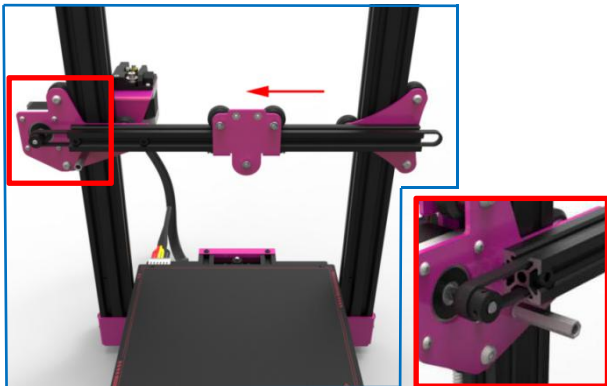
2. M4 boat-shape nut (2pcs)

3. 2020 aluminum profile—length 338mm (1pcs)

4. M5×18hexagon cup-head screws (2pcs)

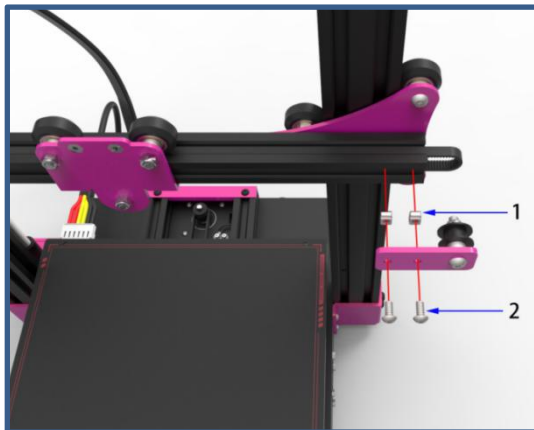
The boat-shape nut may rotate during installation. Users could use the screws to fix it on the aluminum profile.

## Step 11

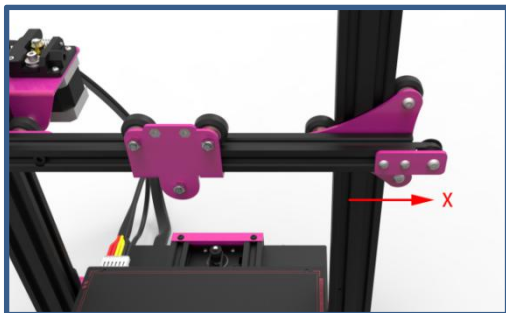
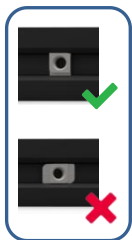


Installing the belt onto the 2020 aluminum profile.

## Step 12-1



## Step 12-2

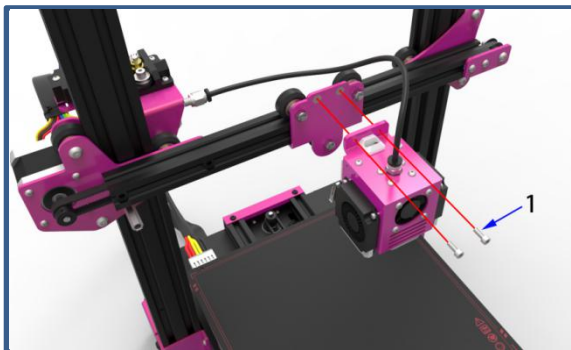


1. M4 boat-shape nut (2pcs)
2. M4×8hexagon round-head screws (2pcs)

Notice: The boat-shape nut may rotate during installation. Users could use the screws to fix it on the aluminum profile.

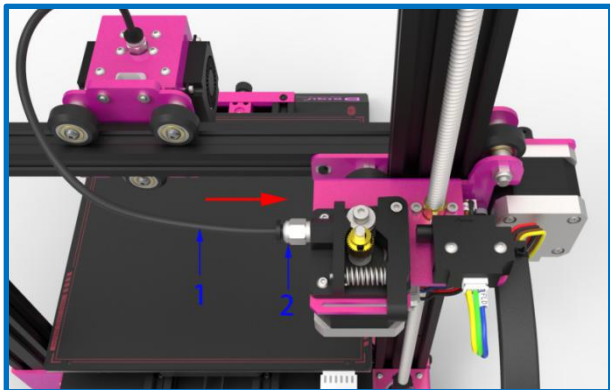
When installation, in order to tighten the pulley and the belt, users could push the parts slowly in the X direction.

## Step 13



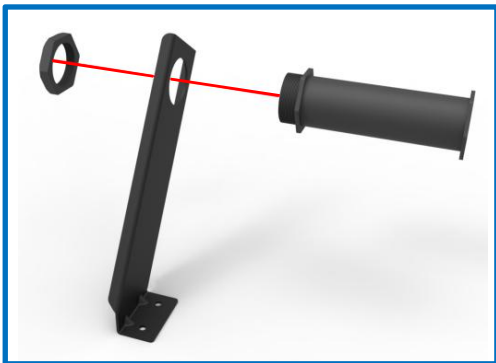
1. M3×8 hexagon round-head screws (2pcs)

## Step 14



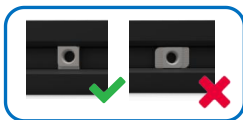
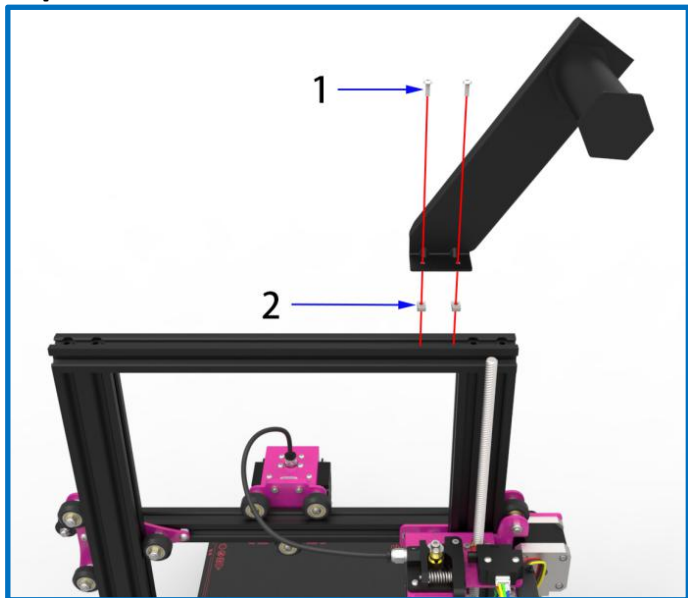
1. feed tube (1pcs)
2. quick connector (2pcs)

## Step 15





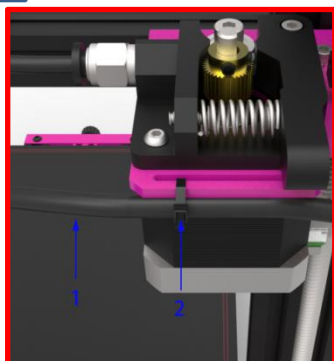
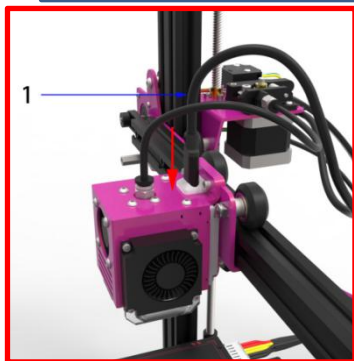
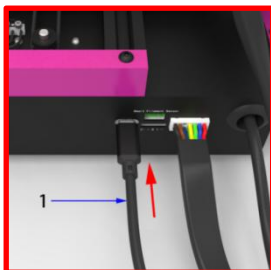
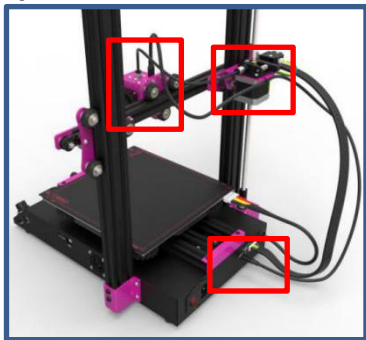
## Step 16



1. M4×8 hexagon round-head screws (2pcs)
2. M4 boat-shape nut (2pcs)

The boat-shape nut may rotate during installation. Users could use the screws to fix it on the aluminum profile.

## Step 17



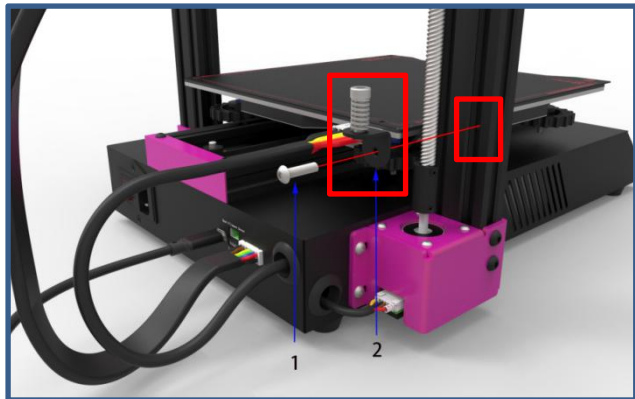
1. Type-C data cable (1pcs)

2. cable tie (1pcs)

As shown above, there are two key slots on the metal sheet part. Users can use a cable tie to fix the Type-C cable through them. But before fixing the data cable, users would better leave a certain length at the Type-C cable's end which closes to the nozzle. It facilitates the movement of the nozzle.

Awareness: do not unplug the Type-C data cable when the machine is on.

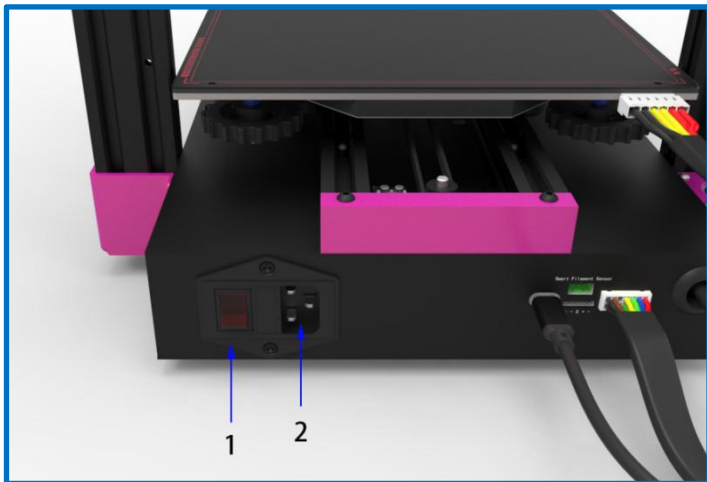
## Step 18



1. M4×16 hexagon round-head screws (1pcs)
2. Z axis limit module

Fixing the Z-axis limit module on the aluminum profile by using the M4 threaded holes and the above screws.

## Step 19



1. power switch
2. power cord socket

Confirming that the wiring is steady and correct. Inserting one end of the power cord into the power cord socket and the other end into the household power supply, and then turn on the power switch of the machine.

**Awareness: do not unplug the Type-C data cable when the machine is on.**

## Step 20 How to manually level?



Clicking on the touch screen homepage ① “menu” → ② “motion”  
→ ③ “Back to origin” → ④ “Z”。



1. hand-screw nut (4pcs)

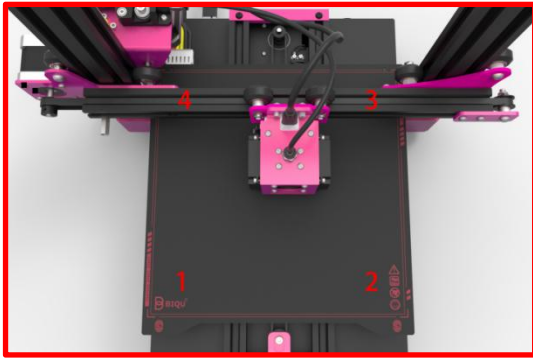
The nozzle moves back to the zero point of the Z axis, which is above the platform. Twist the 4 hand-tight nuts counterclockwise under the hot bed so that there is a distance of 3 ~ 6mm between the hot bed and the nozzle.

## Step 21-1 How to manual leveling?

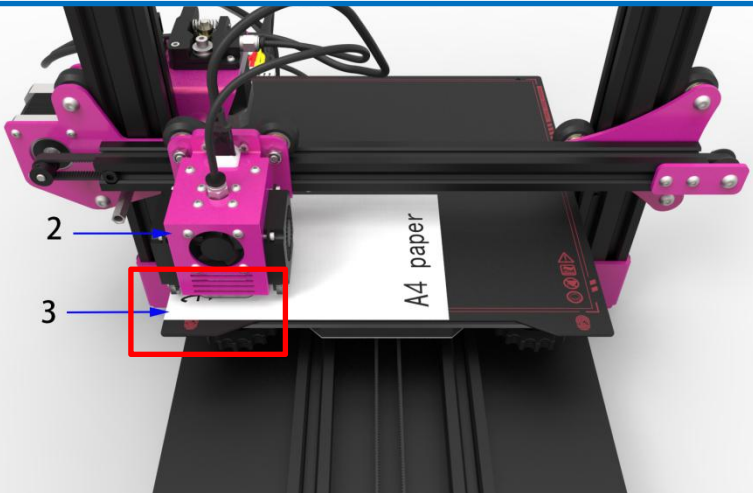


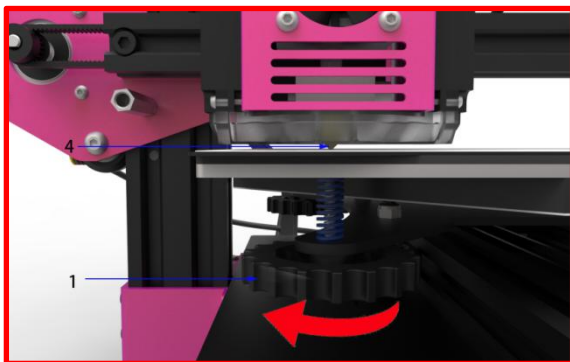
Select from the touch screen in the previous step ① “back” → ② “leveling” → ③ “first point”。

When the nozzle moves to the "first point" position(as shown below ), and user put a piece of A4 paper under the nozzle. Twisting the hand screw nut to make the nozzle just contact with the A4 paper and that the A4 paper can move smoothly with slight friction.



## Step 21-2 How to manually level?





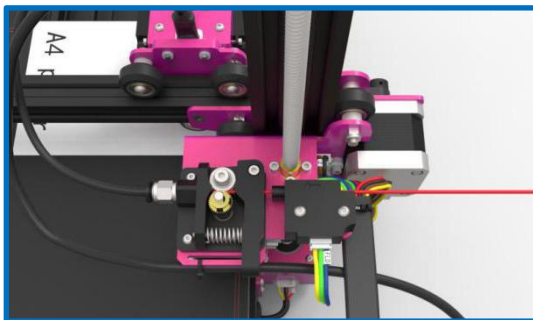
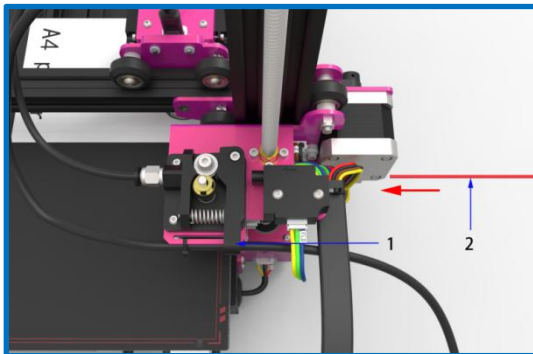
- |                          |                    |
|--------------------------|--------------------|
| 1. hand-screw nut (4pcs) | 3. A4 paper (1pcs) |
| 2. nozzle-head (1pcs)    | 4. nozzle (1pcs)   |

When users turn the hand-screw nut clockwise, the platform will rise, and when users turn the nut clockwise, the platform will fall.

In the same way, touch the "second point", "third point" and "fourth point" on the screen in turn, and use the same method to turn the hand-screw nut under the platform to manually level the platform.



## Step 22



1. extruder handle
2. filament

Holding the handle of the extruder while users pushing the filament into the extruder into the feed tube.

**Installation Finished**

# Cautions!

1. Do not touch the nozzle and the hot bed when the printer is working to prevent high temperature burns.
  2. Do not touch the spring steel plate immediately when the printer is working to avoid high temperature burns.
  3. Do not place the printer in a vibrating environment that will affect the quality of the printed model.
  4. Do not put your hand into the machine when the printer is in motion to avoid getting your hands pinched by the machine.
  5. Do not use the machine for more than one hundred hours for a long time, to avoid damage caused by excessive hot parts.
  6. For safety reasons, minors should be guided by adults when using this machine.
  7. Do not place the printer near flammable materials, please place it in a ventilated, dust-free and cool place.
  8. Please follow the instructions in the user manual to use the product.
- Unauthorized disassembly or modification is at the customer's own risk.