

SHENZHEN TRONXY TECHNOLOGY CO.,LTD

We appreciate your trust and choose us. We will do our utmost to provide better service



Please read the instruction carefully



Please log into our website www.tronxy.com to get more informations of products



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Safety instructions for use

(Please read it earnestly and operate the machine according to the safety instruction)



The Tempereture is very high when the printer works. Mustn't touch the working parts or the extruder and the filaments from it .After finishing the printing, the working parts still hot.Please be patient and move the model when working parts cool as well as the model



please use the printer in an airy and spacious room



We advice that using the printer in the interior temperature is 8°C-40°C and the humidity is 20%-80%. If not, it will have a little influence on printing effect.



If emergency happens, please turn off the power firstly.



3d printers have some working parts, which is in high speed movement .Be careful!



Take care of your hands in case scrached by the harsh working parts when taking down the model.



Please wear the eye protector when installing the 3d printer or grinding the model



Please make sure the printer in a rain-free and dry environment.



Please keep children far away from the printer when it works.



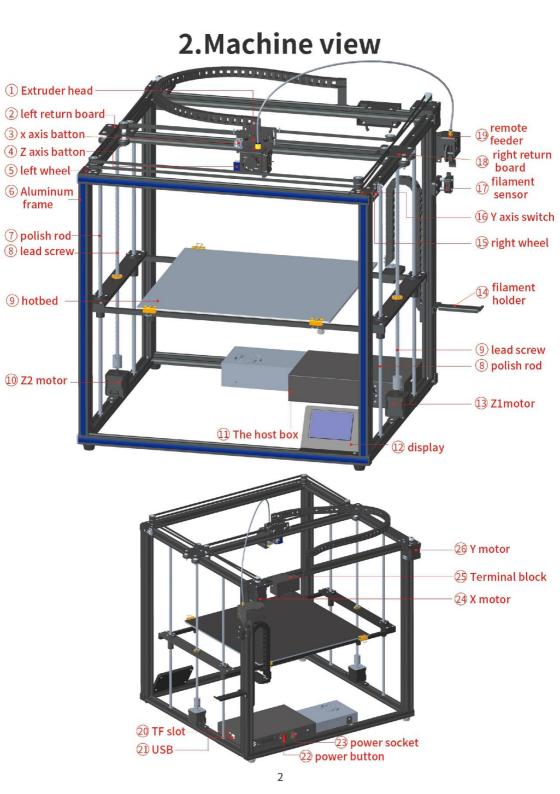
We suggest don't make printer work when on one looks

Content

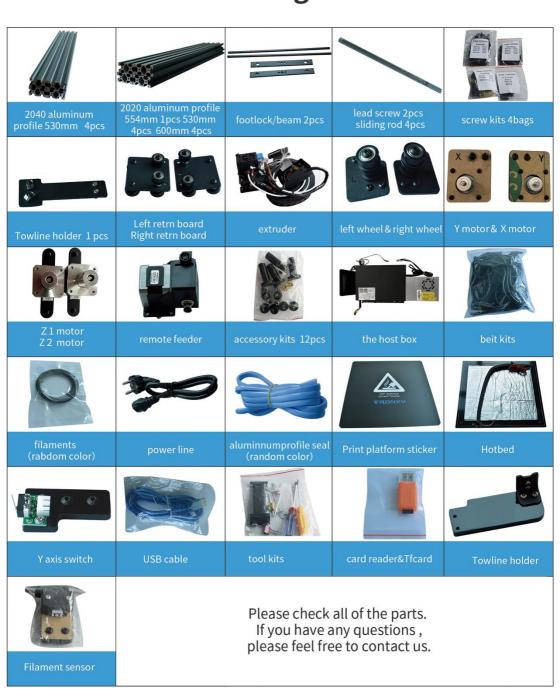
1. Machine parameter · · · · · · · · · · · · · · · · · · ·
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1. Machine parameter

Print parameter Temperature parameter	Printing technology	FDM (Fused Deposition Modeling)
	Printg size	400×400×400 (mm3)
	Print accuracy	0.05-0.3 mm
	Print speed	20~100mm/s (advice 60mm/s)
	Position precision	X/Y 0.00625mm, Z 0.00125mm
	Position precision	single nozzle
	Nozzle diameter	0.4mm
	Movement Speed	100mm/s
	Materials	PLA, ABS and so on
	Environment Temperature	8°C - 40°C
	nozzle	260°C
	Hotbed	support
Software Power Physical	Operation software	TronxyInstall
	File type	.STL, .OBJ
	Output	GCode
	Connection	TF card, USB cable
	input power	110V/220V AC, 50/60Hz
	output power	24V/15A DC
	Machine size	640*672*655mm
	Machine weight	≈14.3kg

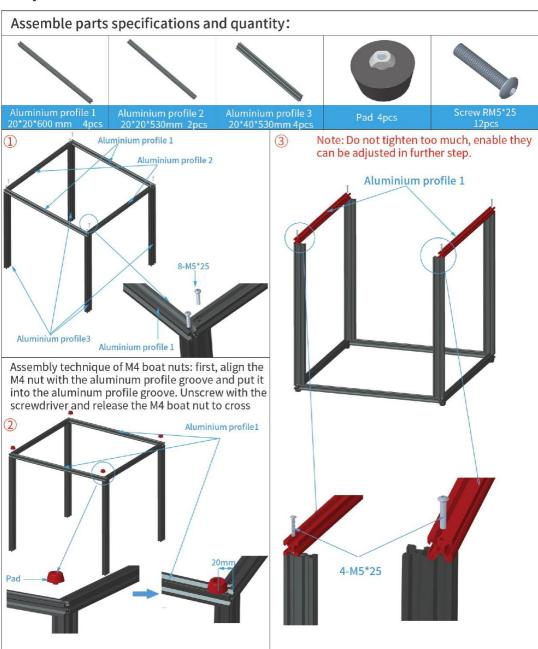


3. Package list

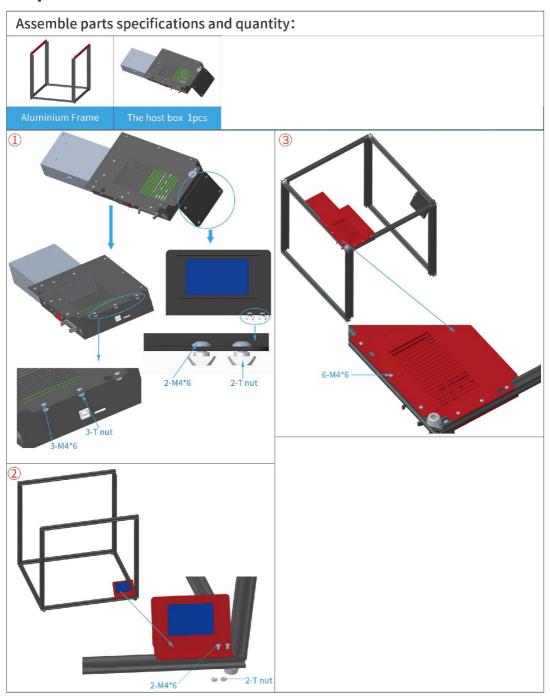


4 Product assembly

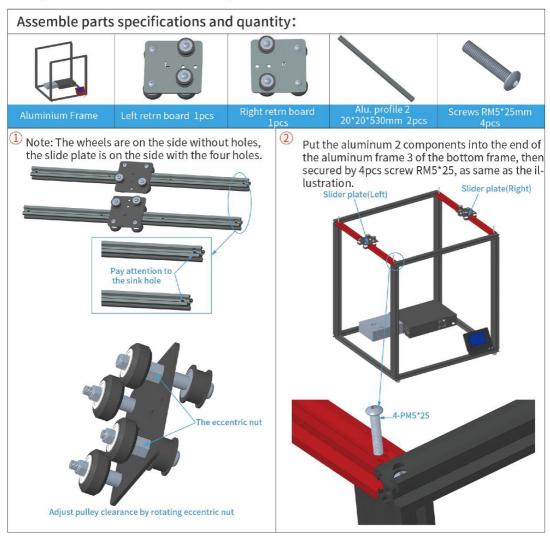
Step 1. Assemble base frame



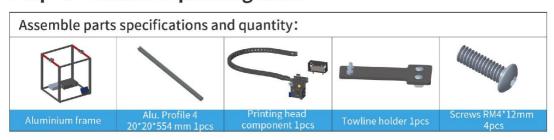
Step2: Assemble host box

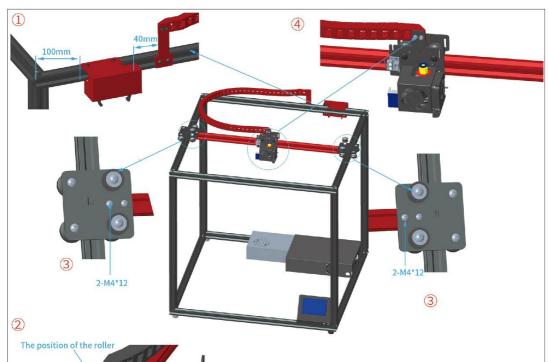


Step3: Assemble slider plate



Step 4: Assemble printing head





Hole location

The eccentric nut

Insert the aluminum profile 4 into the printing head component, same as the illustration. Adjust pulley clearance by rotating eccentric nut.

As shown, install the aluminum4 parts to the middle of the right and left slide plate components on base frame, with screws RM4*12,same as the illustration. Move the aluminum profile 4 front and back,make sure it can move freely,then lock the screw RM4*12, remove the aluminum 4,ensure it can move freely, lock the screw RM5*25 of the aluminum 2, move the aluminum 4 again to make sure the movement is flexible. Lock the screws RM5 * 25 of aluminum profile 2,move the aluminum 4 again to make sure the movement is flexible, otherwise, please adjust it again, make sure tthe sliding table is flexible and without gap shaking after locking the screws

Step 5: Assemble XY axis motor and wheel

Assemble parts specifications and quantity:



Framework



Right wheel 1pcs



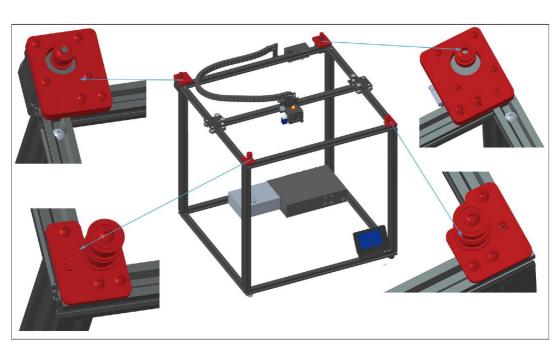
Left wheel 1pc



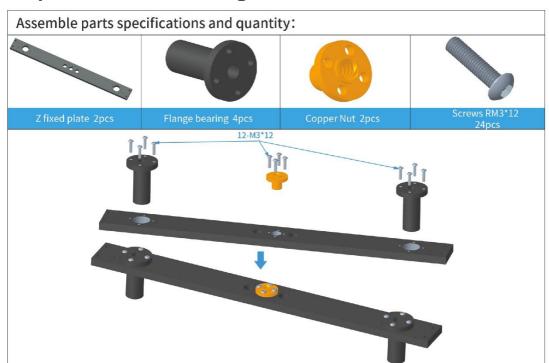
X Motor Inc



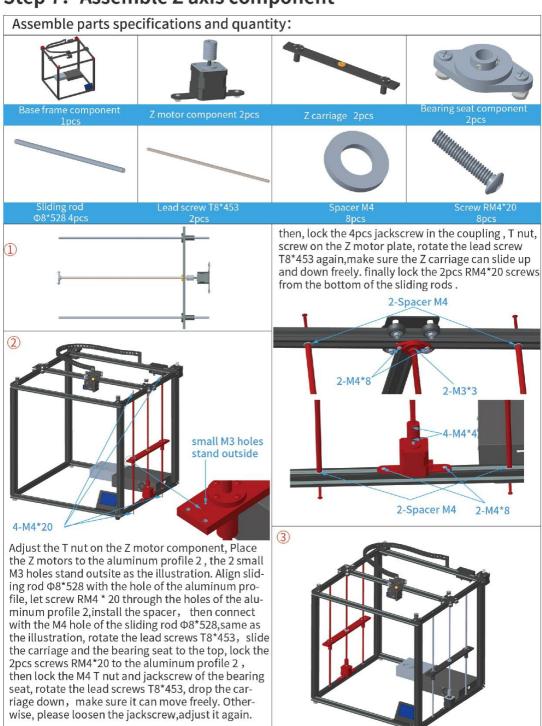
Y Motor 1pcs



Step 6: Assemble bearings and Z-axis motor



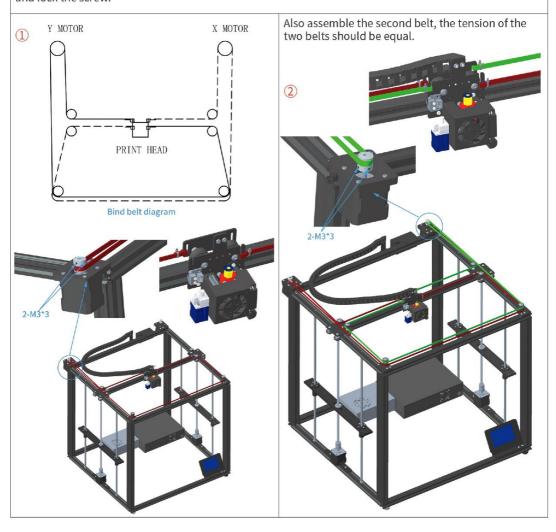
Step 7: Assemble Z axis component



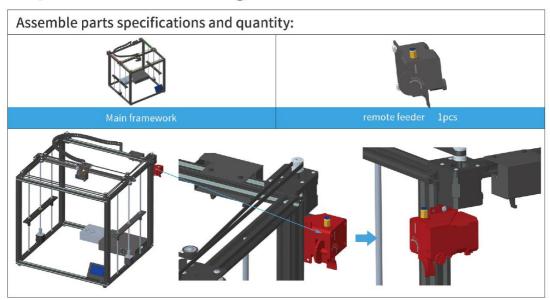
Step 8: Assemble belt

Assemble parts specifications and quantity: Main frame 1pc Belt 2pcs Tie 4pcs

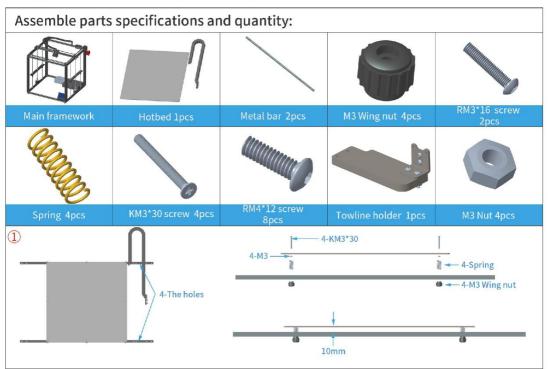
Pass the belt through the gear as shown, press the pulley plate against the motor bottom plate, fasten the lower end of the sheet metal groove of the print head assembly with the tie belt, as shown in the figure. After adjusting the spacing between the motor gear and the belt, lock the 2 meter screws on the gear.Loosen the motor baseplate screw, pull the motor assembly outward, tighten the belt (do not force too much), and lock the screw.

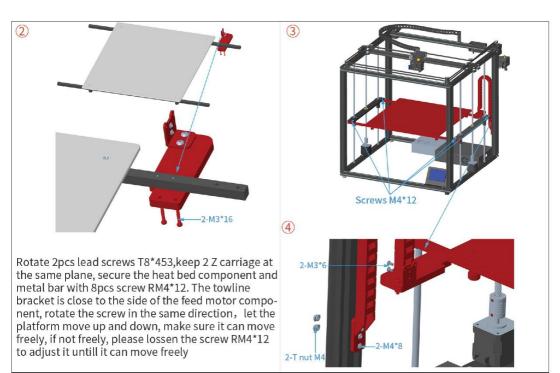


Step 9: Assemble feeding motor

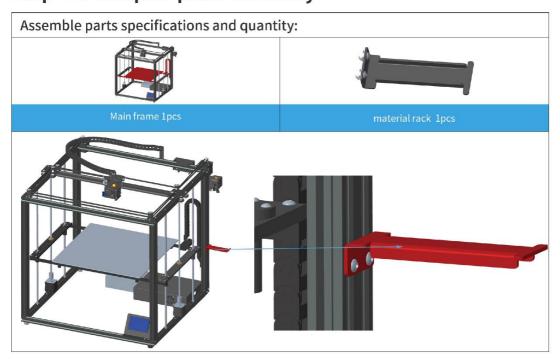


Step10: Assemble printer plateform

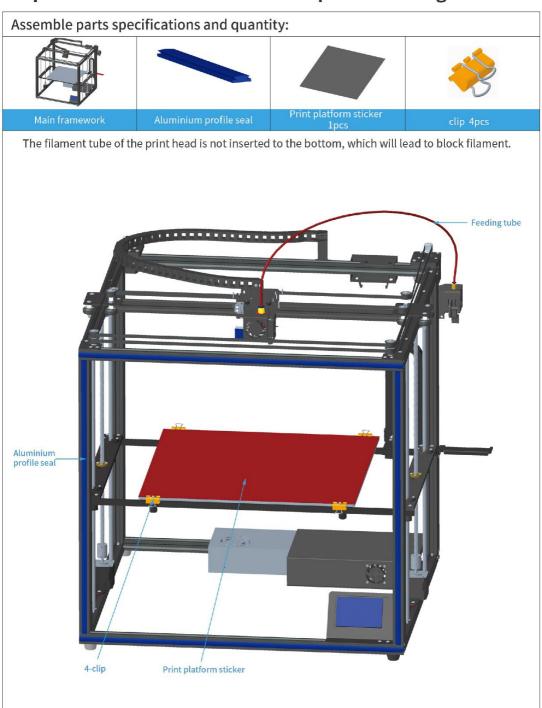




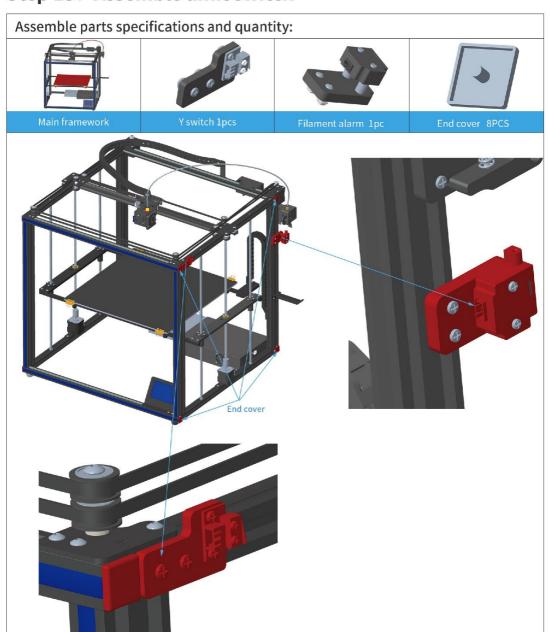
Step 11: Adapter plate assembly



Step 12: Assemble Decorative strip and Feeding tube



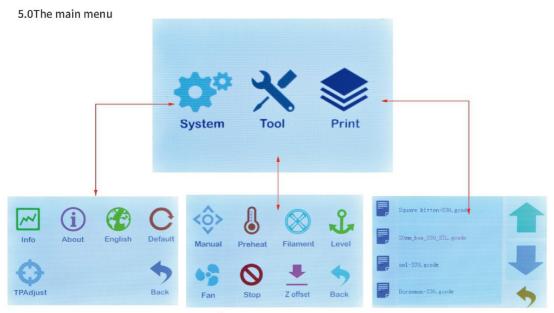
Step 13: Assemble limit switch



Step 14: Connecting wire



5. operation instructions



5.1. The system menu.



5.1.1 language selection

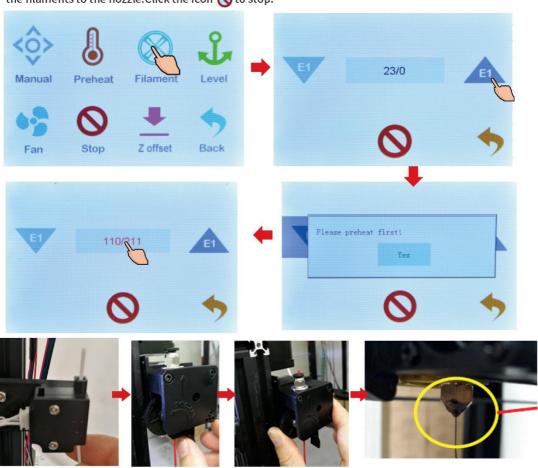


5.2 tools menu

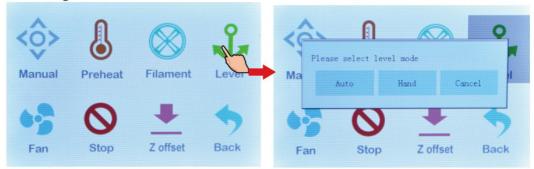


5.2.1Loading and unloading of materials

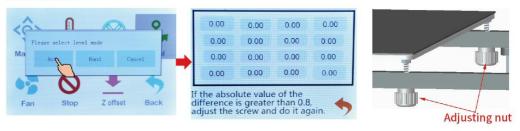
click the icon of loading and unloading consumables to indicate preheating. Remove the consumables to warm up before pulling them out. Set the heating temperature, the temperature reached, click the icon to return the material. When installing the filaments, make the filaments go straight out into the hole of the filament run-out detector and press down the feeder's pressing block, as shown in the figure. Pass the filaments through the feeder to the filaments pipe and then click the icon to send the filaments to the nozzle. Click the icon to stop.



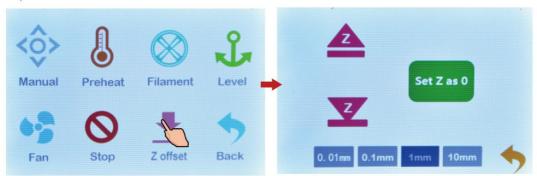
5.2.2leveling



5.2.2.1 click automatic leveling, the machine will move automatically, read the location parameters set and save. If the reading deviates from 0.8 or above, adjust the nut under the platform at that point and then relevel it.

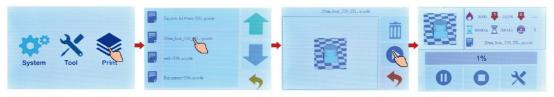


5.2.2.2 click the Z offset icon to enter the Z axis position adjustment. The function of automatic leveling is effective. Select the fine tuning 0.1mm icon, click the icon Z axis to move up, and click the Z axis to move down. Adjust the nozzle and platform to A4 paper thickness. A4 paper between the nozzle and the platform moving a sense of resistance, but will not cut paper. Click the icon set Z to zero and save the setting. This function is automatically leveling Z axis compensation, with leveling function used, leveling simple.

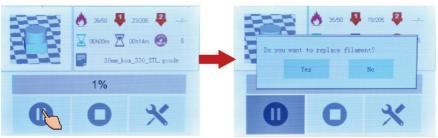


5.3 print

5.3.1 print



5.3.2 print suspended

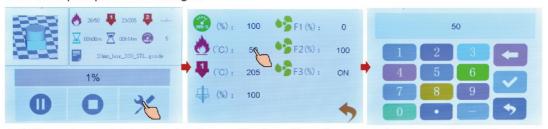


5.3.3 print interrupt

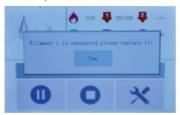
Choice is, reboot prompt



5.3.4 in the print parameters changes.



5.4. Filament run out detector: when the machine is working, the consumables are used up, or the consumables are broken and cannot be supplied to the machine, the machine status is suspended, and the screen indicates that the consumables are exhausted. Please replace the consumables. The picture shows that the consumable 1 of dual-color printer is exhausted.



5.5. Filament run out detector: when the machine is printing, the machine will automatically save the current status parameters. When the machine is restarted, the screen will show that the last time it was hit was interrupted. The option is to print from the breakpoint. Select no or cancel, and the parameters are cleared.

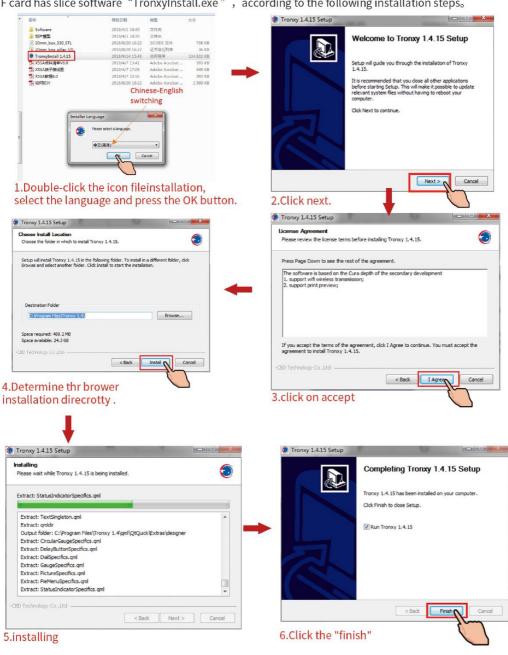


- 1.After power off please move the nozzlefar wawy from the model, but please don't move the model and platform and Z axis, The stepper motor motor controls the level of Z axis.
- 2. Support the power failure reaume to print under offline condition.
- 3. The model can not be seamless docking totally.

6. Software installation instruction

6.1 slice software instruction

TF card has slice software "TronxyInstall.exe", according to the following installation stepso

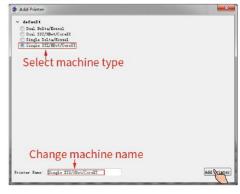


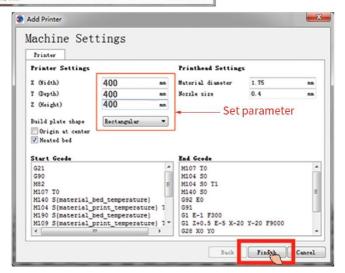
6.2 slice software set

6.2.1 According to the hint to "add the printer", turn on the slice software.

According to the nint to "add the printer", turn on According to the cues

| Printer | Dail Victory | Dail Vict

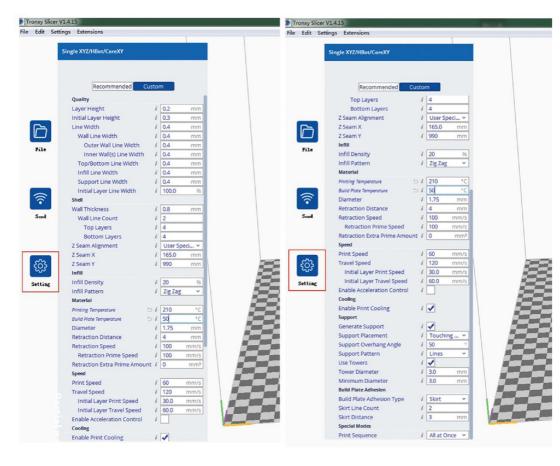




₩ T/8:0.0 x 0.0 m

6.2.2 Set slice parameter. Provide the reference but you can change basis on yourself.

Layer thickness	0.1-0.3
Print temperature	PLA - 200~210°C ABS - 230~240°C
platform temperature	PLA - 50°C ABS - 80 °C
Moving speed	60-120mm/s
Print speed	normal 60mm/s,layer speed 30mm/s
Beam	select on the model struture
platform touch	Small touch area use it



7 General problems

- **1.nozzle block:** Heat the nozzle to over 180°C, Use nozzle0.4mm (default nozzlediameter) to clear the blockage until the manul feeding become normal.
- 2.Throat blockage: The inside of the print head is a straight-through pipe. If the feed pipe is not inserted, it will easily cause the pipe to block and need to be dismantled to clean the pipe.

3. The wire is not smooth:

- a. Consumables knotted, or Teflon feeding tube extrusion deformation, please clean the supplies and Teflon feeding tube to make sure the smooth feeding.
- b. If the print temperature is too low, please set the appropriate temperature for the consumables and refer to consult the referential temperature.
- C. The print head ids not cool enough, please make sure the fan works well.
- d.Print for a long time under the maximum speed of the machine, please reduce the speed aptly.
- e. The filament is not so good. Please clean the redundant materials in the print head and use the better filaments instead.

4. Problems such as not reading the card and failing online:

- a. The SD card can be read on the computer, but it cannot be displayed on the machine: please format SD card retry, GCODE file is modified to a uniform format(There is no special punctuation), and the SD card slot is not in good contact.
- b. If the SD card can not be displayed on the computer, then SD card is damaged.
- C. Unable to offline: the serial port is not selected, the baud rate is not selected, the driver software is not installed or the installation fails, and the USB data cable is damaged.
- d.External signal interference can not be connected.
- **5.The print head leaks:** the nozzle is loose, the heating block is loose, the throat is loose, tightened or worn due to wear and tear, and the accessories are replaced.

6.layer mistake:

- a. The belt is loose, please adjust the belt properly.
- b. Print speed is too high, please change the speed properly.
- C. The drive current is not enough, please adjust the mainboard current properly

7. Abnormal noise and jitter of the X/Y/Z axis motro:

- a. The corresponding limit switch cannot be triggered normally. Please check if the corresponding motion axis has interference, especially when returning to zero.
- b.The motor wiring is loose. Please check the wiring again.
- C.The motor is abnormal, please exchange the motor to exclude the poor motor.
- d. The motherboard driver output is abnormal (please contact us).

8. Touch screen anormaly:

- a. Please check if the connection cable is loose and make sure the cable is well connected.
- b. The screen is good. The vibration causes uneven pressure on the screen assembly resulting in some parts click the screen and there is no response.

Please loosen the lock nut and readjust it.

C.If the touch screen is damaged due to transportation, please contact us.

9. The first layer of the model don't stickthe platform:

- a. The underlying print speed is too fast, please lower the print speed.
- b. The printing platform has not been processed, please affix PVC stickers or textured paper.
- C.The nozzle is far from the printing platform. Please adjust the distance of the nozzle and print platform to 1 A4 paper thickness.



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