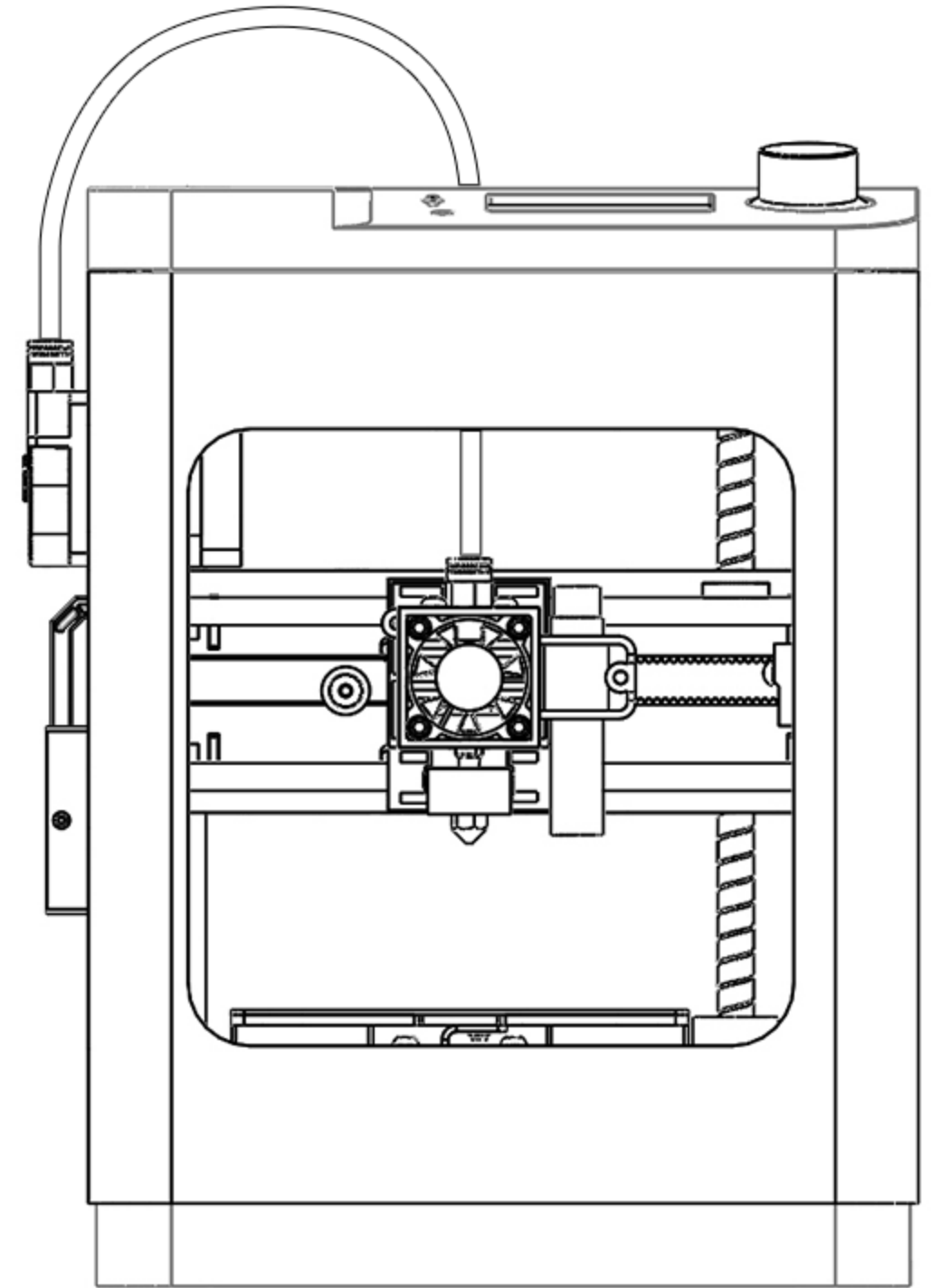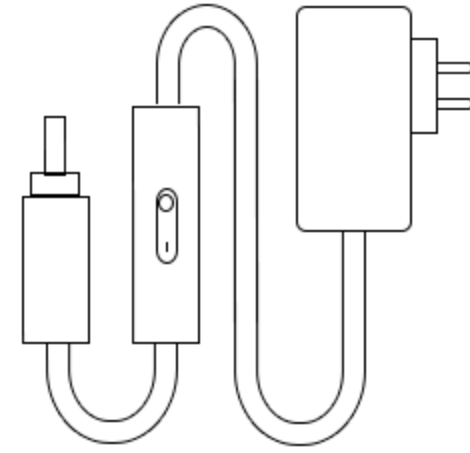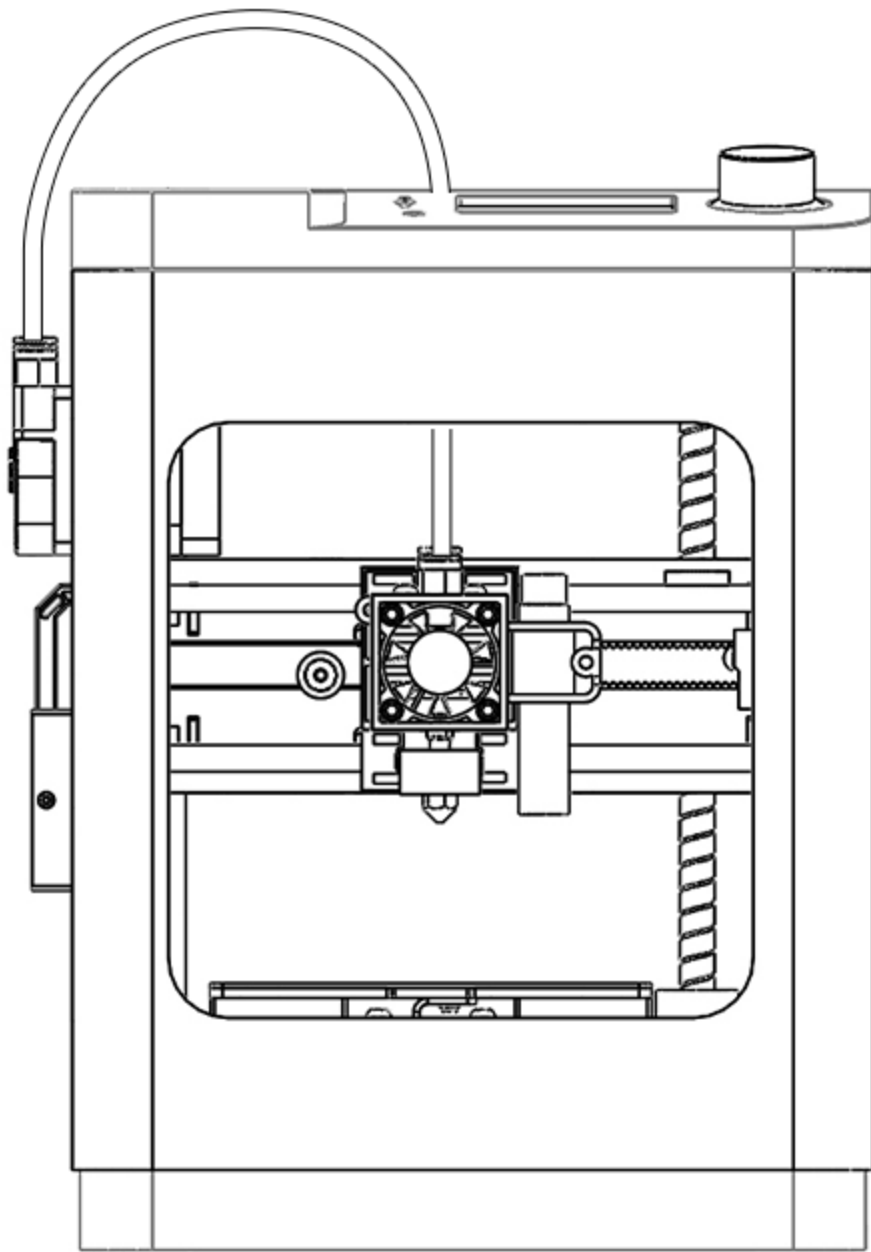# TINA 2 Basic

ENTINA unpacking guide

|Notes

Thank you for purchasing TINA2 Basic. Please read this guide before using the device. Once you use this product, it means that you have read and accepted the following safety warnings.

TINA2 Basic doesn't have WiFi. If you have any questions, you can email **support@entina3d.com** or contact us using **Whatsapp +86 18936012338** .

|Satety warnings

1.Do not touch the nozzle or stepper motors, when the 3D printer is printing or just finished the printing job, the nozzle temperature is up to 230°C.

2.Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.

3.Prior to operation, check power cord for physical damage. Don't use if physical damage has occurred.

4.Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.

5.Unplug this device from the power source when not in use.

6.Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.

7.Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.

8.Ensure that the 3D printer is turned off and unplugged from its power source before making repairs or performing service.

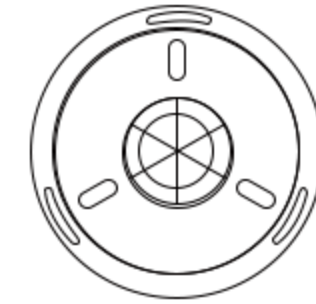9.For more user operation, please refer to the video, manual and software in TF card.

Accessories

power
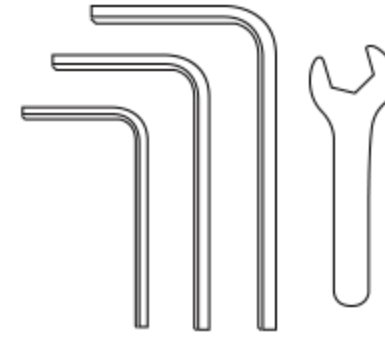
1.5/2.0/2.5/ 8 mm wrench
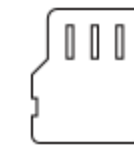
filament

sticker

0.4mm nozzle

nozzle needle

Type-C

card reader

TF card

test models

software

tutorial

| Specification

Model	**Product Volume**	**Build Volume**	**Motherboard**
TINA2 Basic	210*210*290 mm	100*105*100 mm	R72B
Weight	**Nozzle Diameter**	**Power Supply**	**Platform**
2.8Kg/6.2lb	0.4mm	100V- 240V/12V@5A,60W	Soft magnetic plate
Nozzle Temp	**Speed**	**Input**	This version does not support WiFi
≤245°C	≤120mm/s	TF Card / USB	
Layer Thickness	**Printing Precision**	**Leveling**	**Environmental**
0.1~0.4mm	±0.1mm	3 points Auto Leveling	15°C - 25°C

| Software

Slicing Software	**Slice Input File**	**Printing File**
Wiibuilder (WIN/macOS)	STL/OBJ/AMF	Gcode
Cura (WIN/macOS)		
Kiri (Chrome book)		

| Filament

|			
Filament Type	**Filament Diameter**	**Filament Temperature**	**Filament on Holder**
PLA / PLA+ / TPU	1.75mm	<230°C	≤500g

Please use the filament provided by our company. Filaments have different specifications, which can clog and damage the nozzle. If the 3D printer fails due to the 3-party, the warranty will not be granted.

If the filaments are not used for a long time, please keep them sealed.

|Product overview
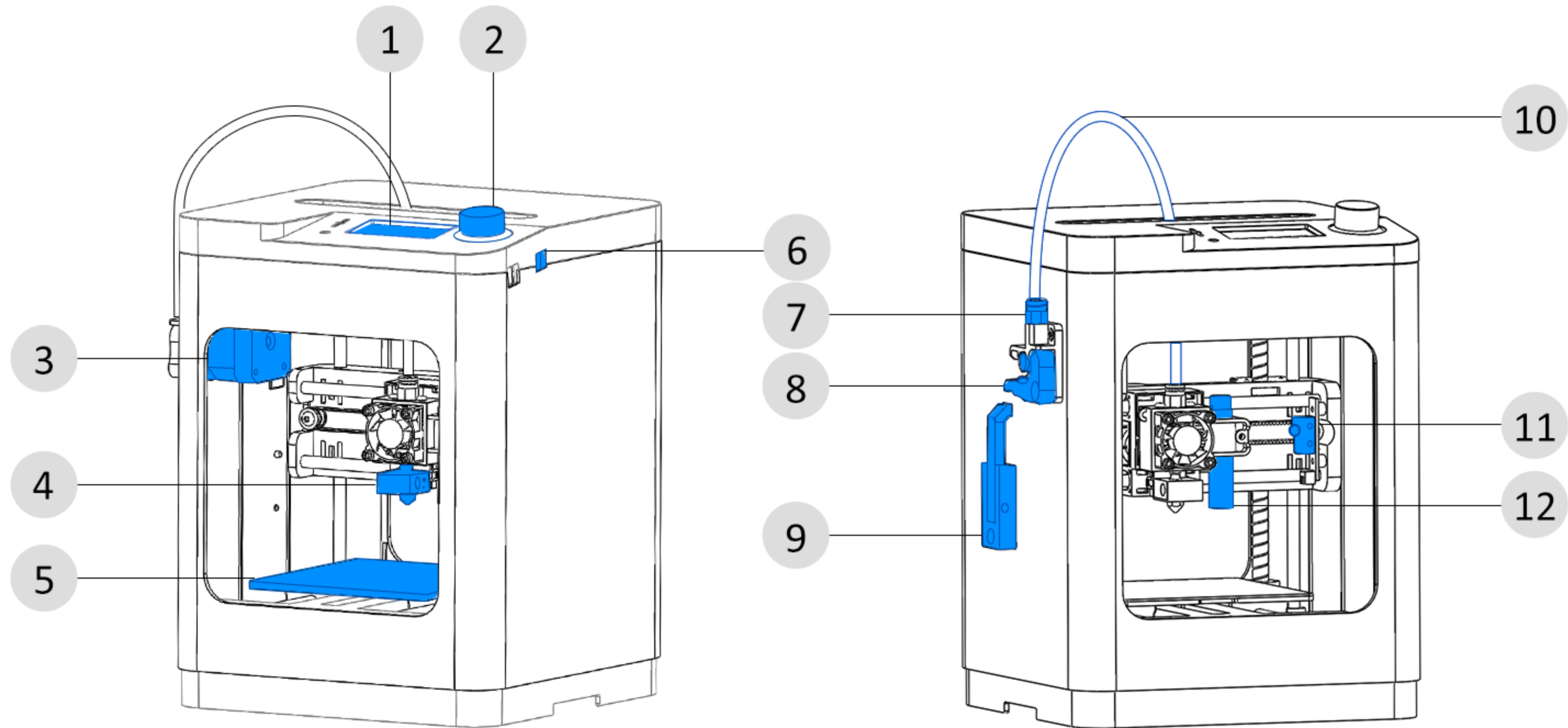
1. Screen

2. Knob Button

3. Motor

4. Hotend
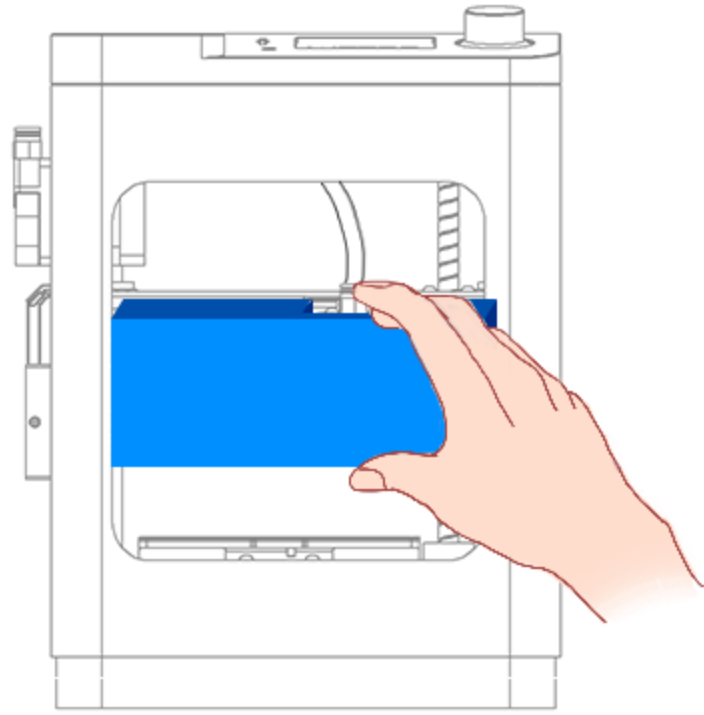
5. Platform

6. Power Socket

7. Tube Fitting
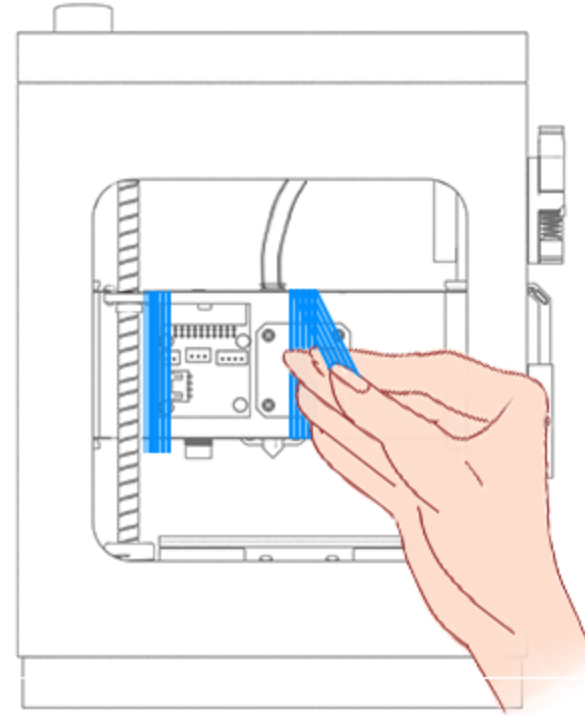
8. Extruder

9. Filament Holder

10. Filament Tube
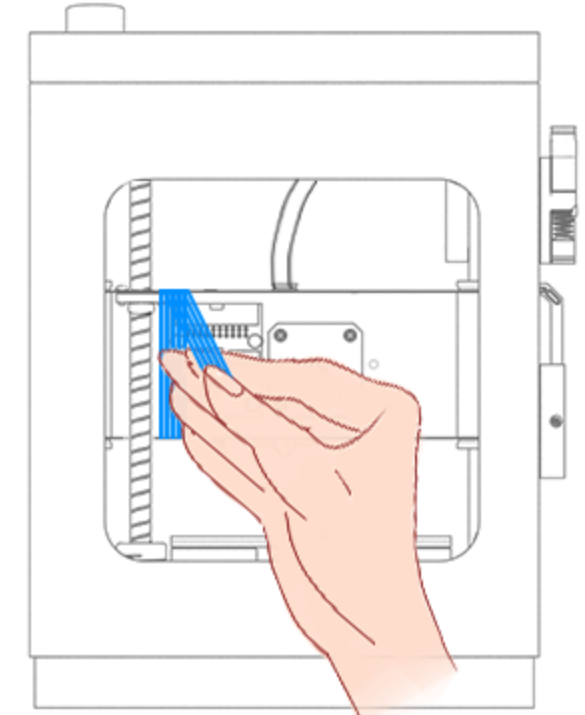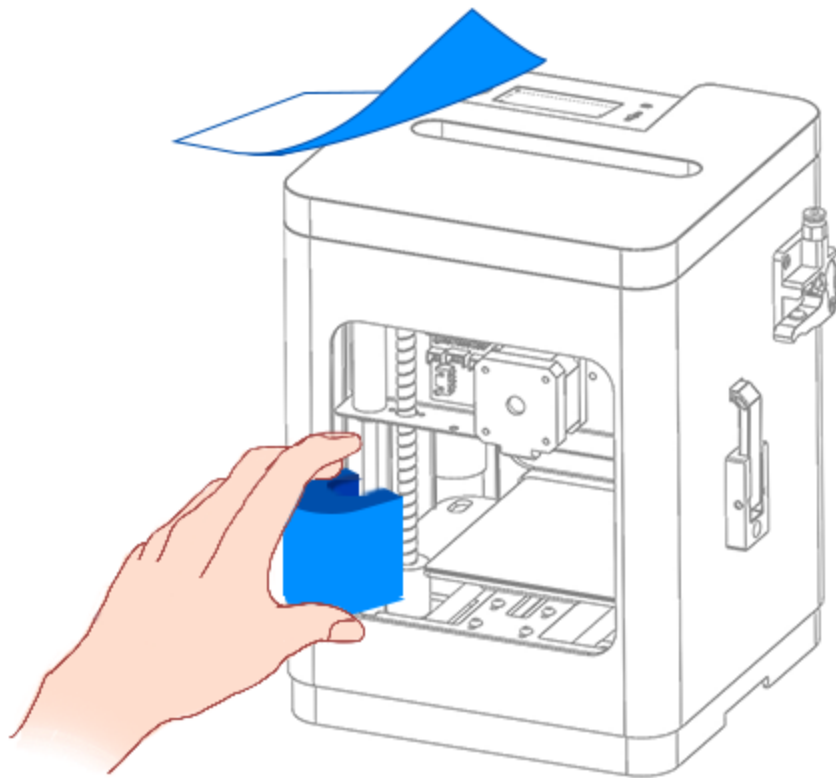
11. X Endstop

12. Proximity Sensor
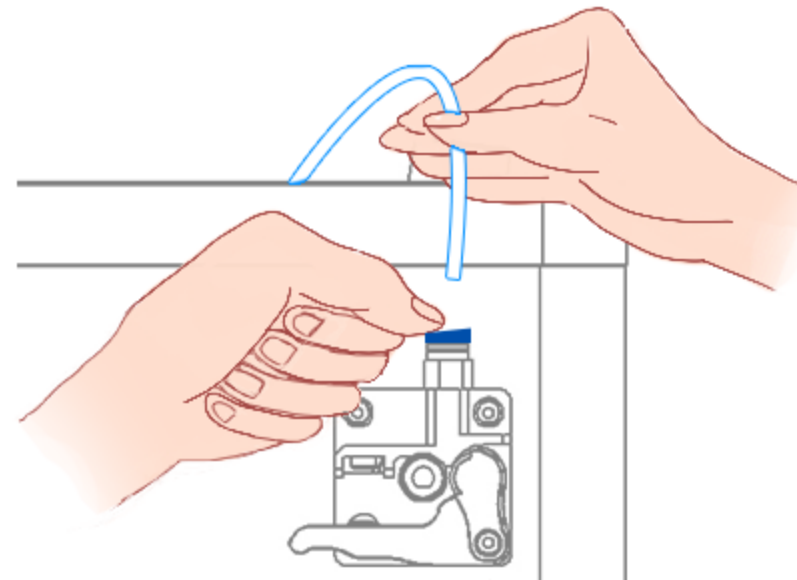
| UNPACKING

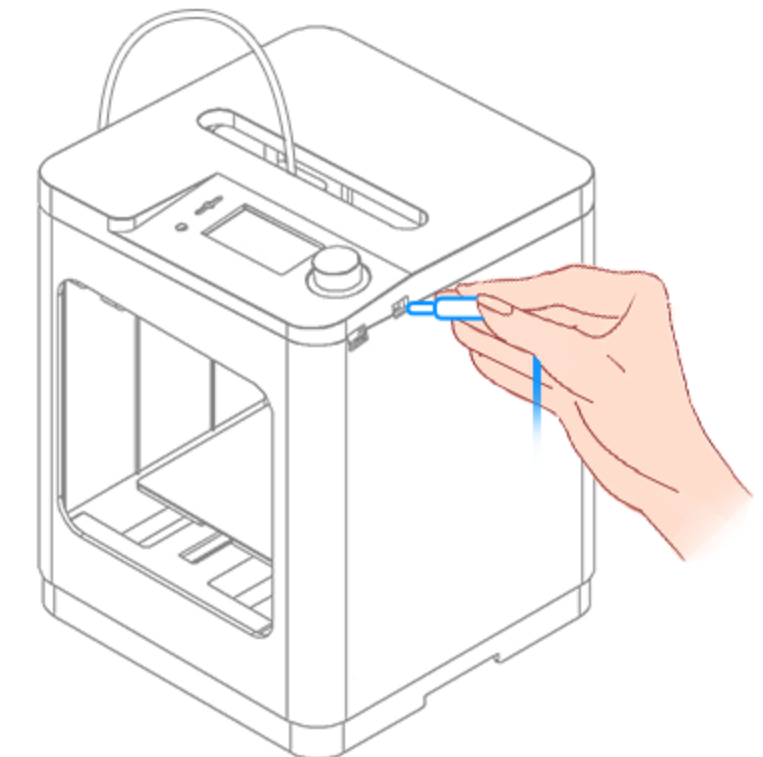1. Remove the bubble wrap.

2. Peel off the tape on the nozzle.

3. Peel off the tape near the Lead Screw.

4. Remove the shaft coupling shell and sticker.

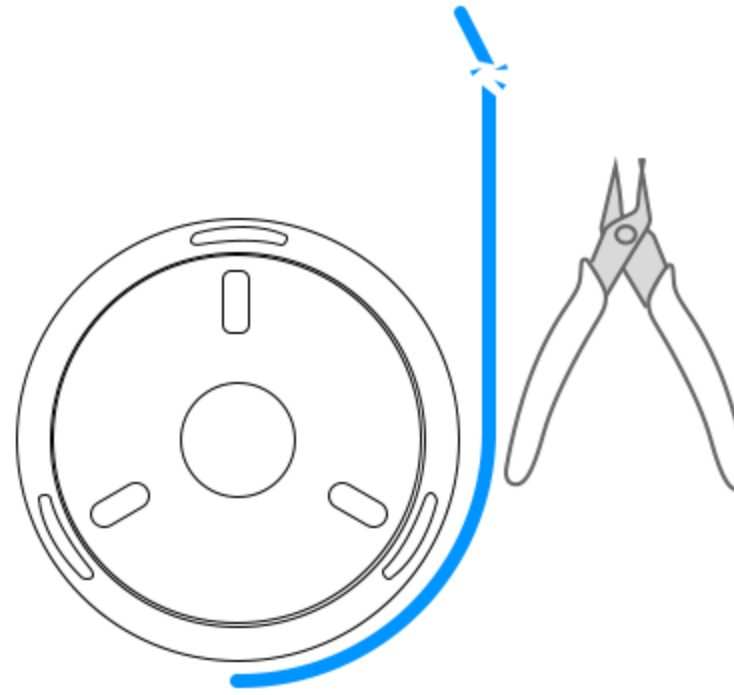5. Press tube fitting to insert filament tube into extruder.

6. Plug in the power and turn on the printer.
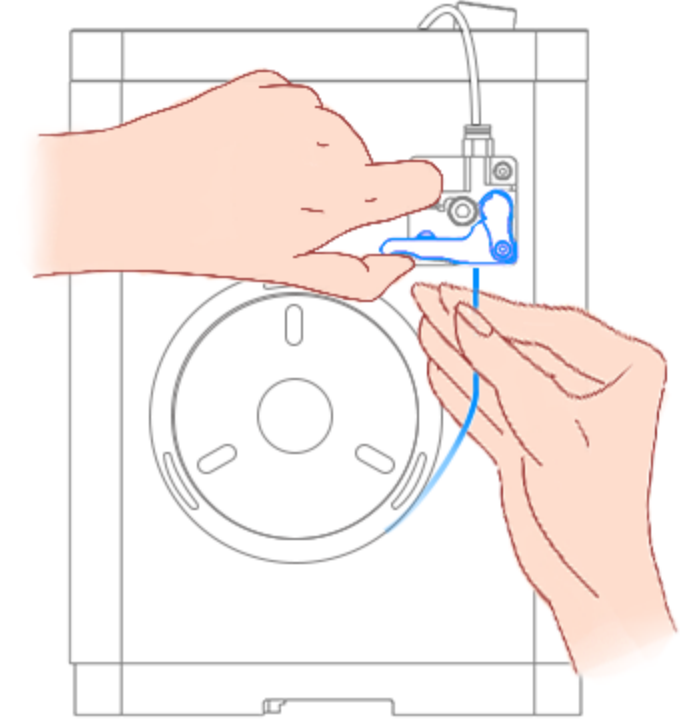
STEP1: LOAD FILAMENT
Next
Quit

7. After selecting the language, click''Next''. Follow the prompts, otherwise the first model will fail.

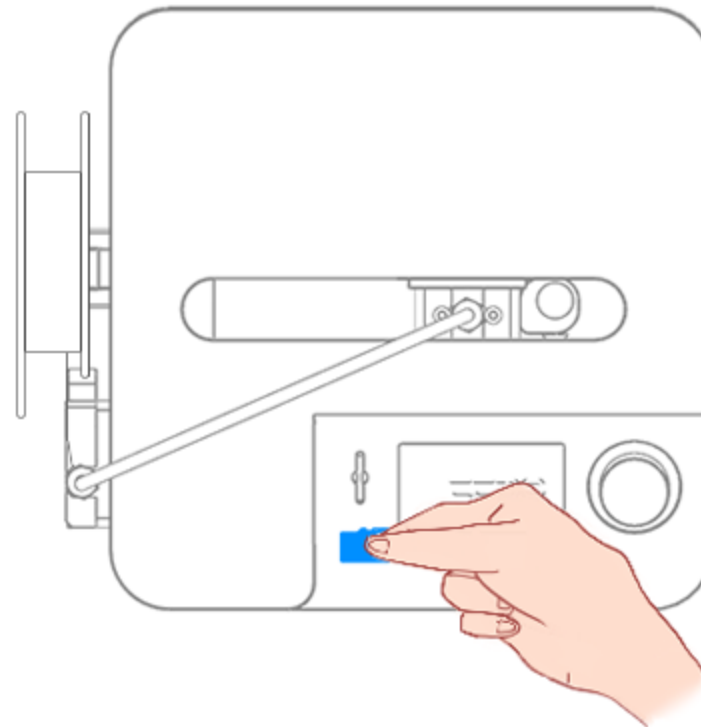8. After the "beep" sounds, straighten the filament and cut a bevel.

9.Insert filament until entering nozzle. Press button and wait until the filament comes out of the nozzle.

STEP2: INSERT TF CARD
Next
Quit

10. Click''Next''.

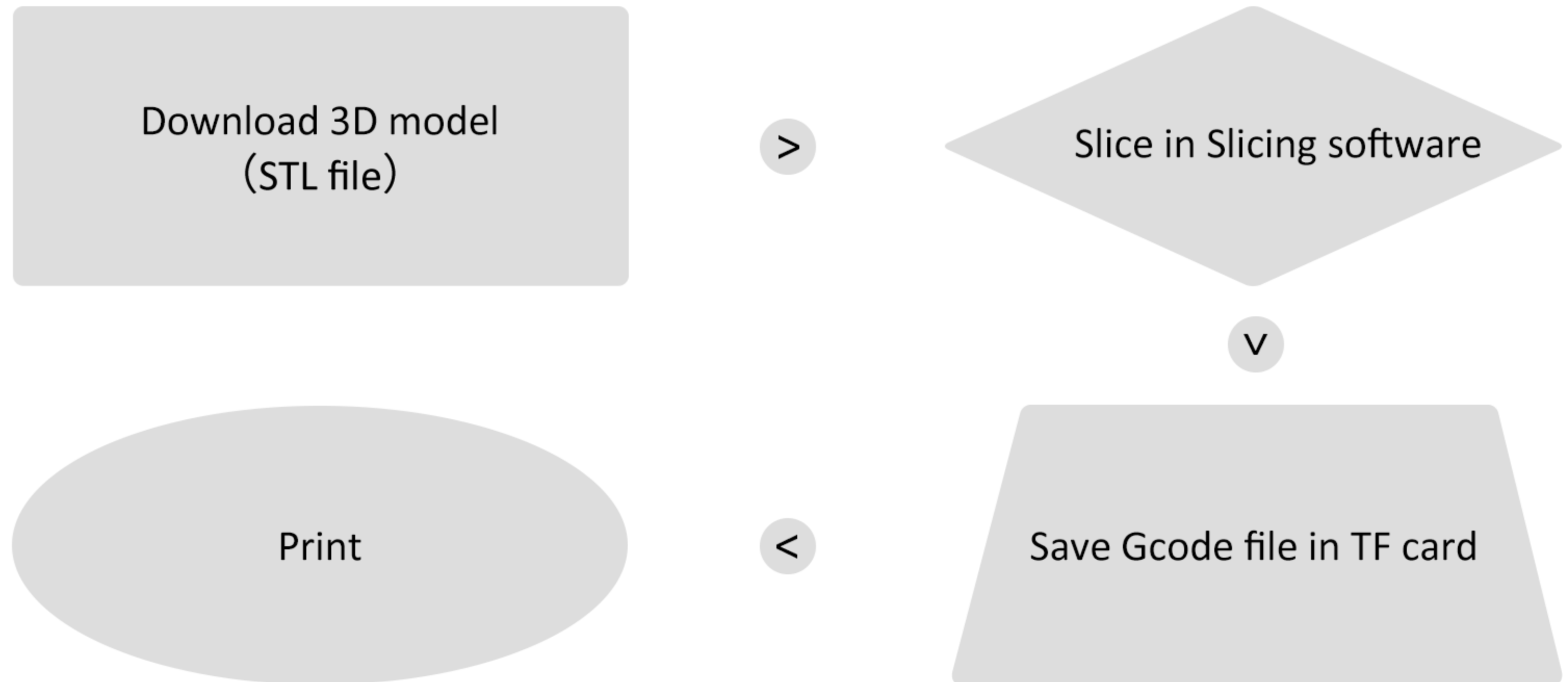11. Insert the TF card, pay attention to its direction.

STEP3: CHOICE FILE
Print from TF
Quit

12. Click''Print from TF''. Select a model to print.

3D printing flow chart

Download 3D model
（STL file）

>

Slice in Slicing software
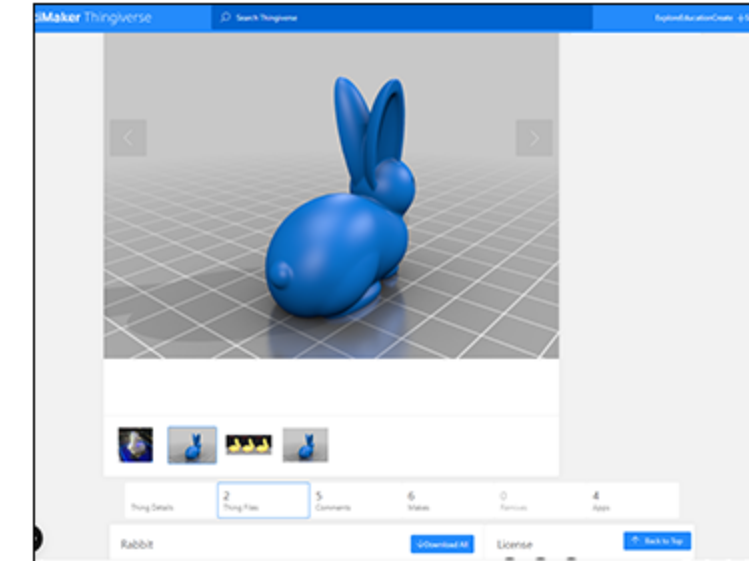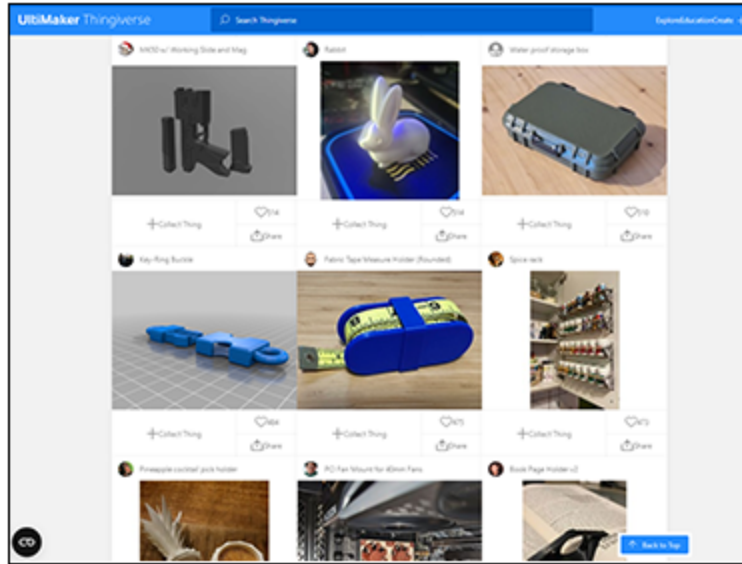
v

Print

<

Save Gcode file in TF card

Note: 1. The slicing software must be installed on the computer. Slicing software includes Wiibuilder, cura.
2. Wiibuilder is a slicing software developed by our company. Recommended Wiibuilder.
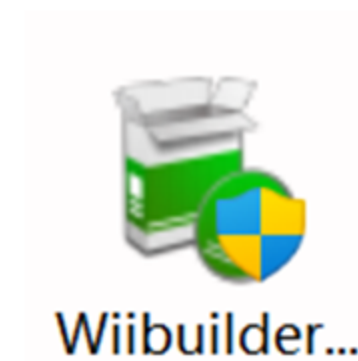
|SLICING SOFTWARE

① Download more models

>

1. Open the 3D model website, such as 【Thingiverse】.

2. Select the model you want and download the STL file.

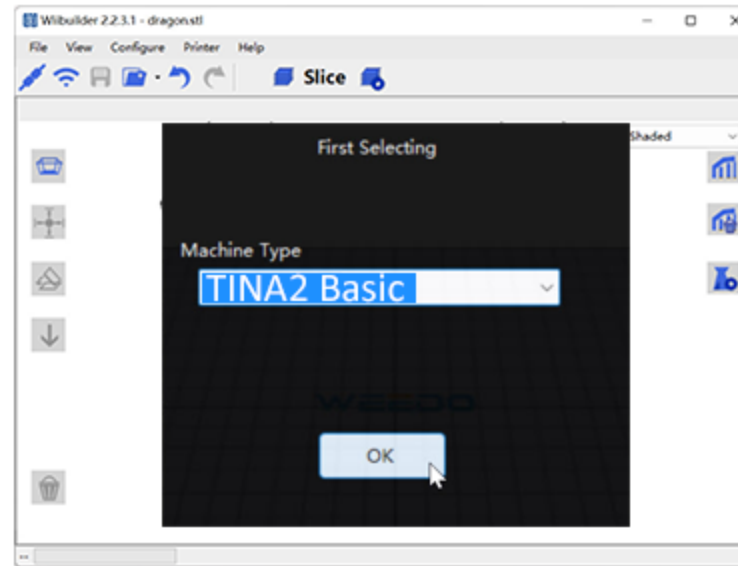## ② Wiibuilder -- install slicing software

>

1. The installation is stored in the TF card, copy it to the desktop and unzip it.

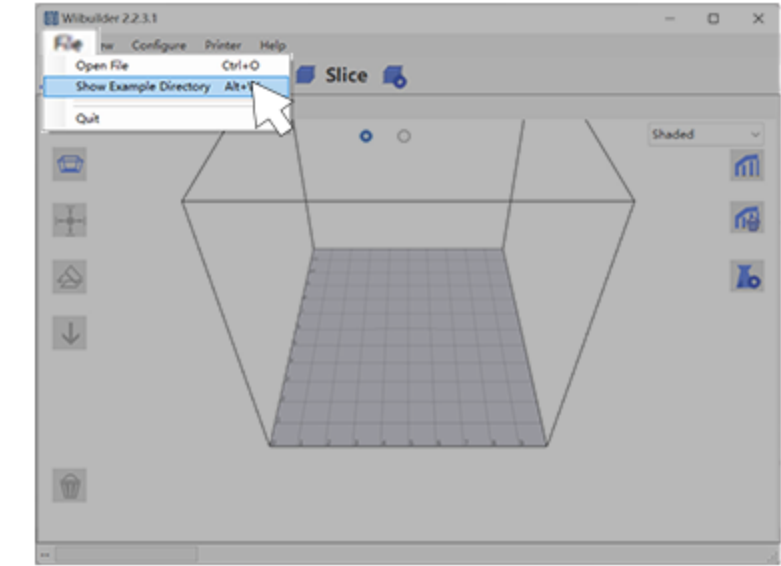2. Double-click the program to install Wiibuilder on the computer.
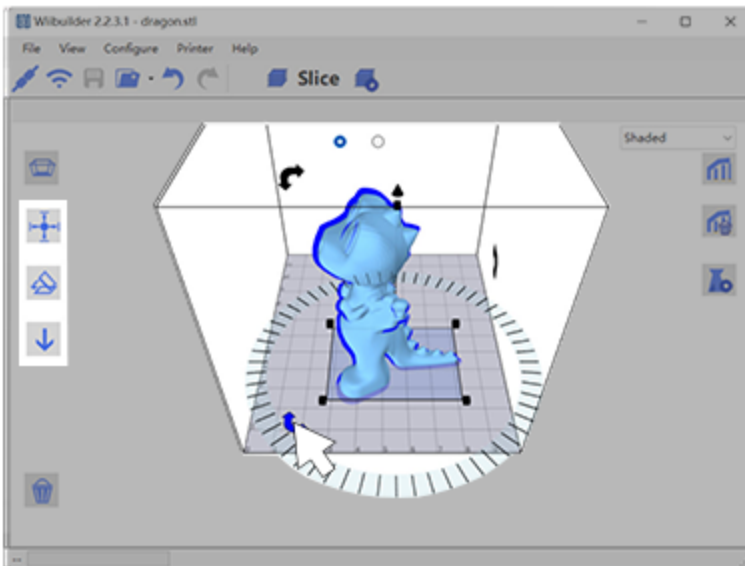
③ Wiibuilder -- slice the model
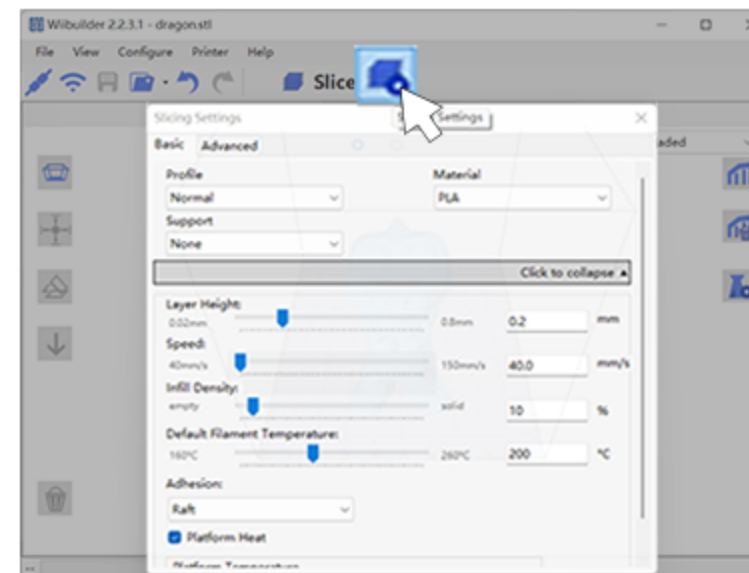

1. Open the Wiibuilder.

2. Be sure to choose the right printer.
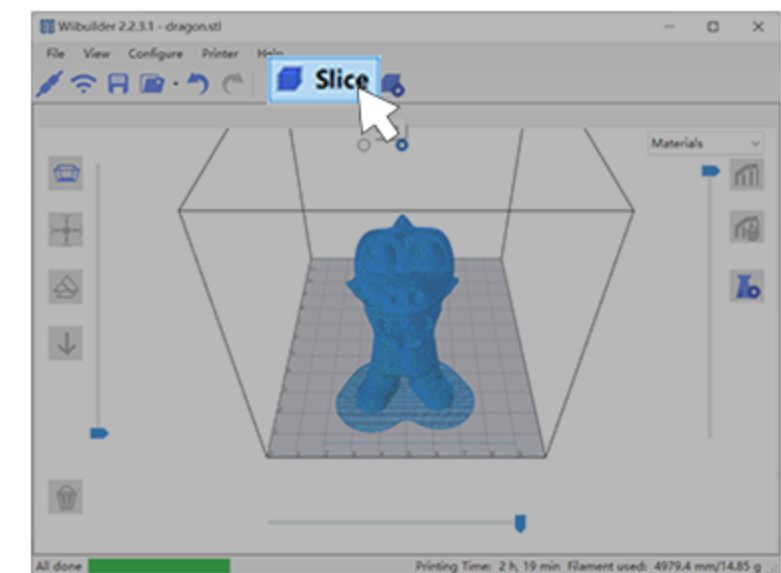

3. Click "File" to load STL file or just drag the model into it.

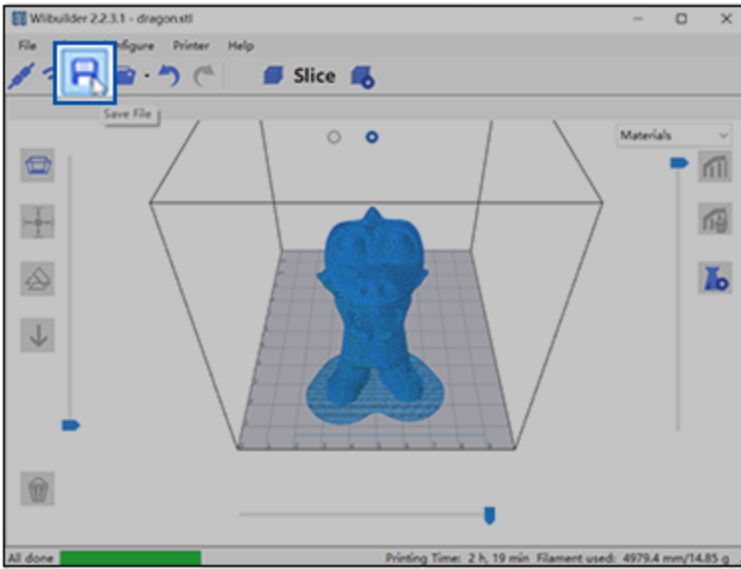4. Click and adjust the model.
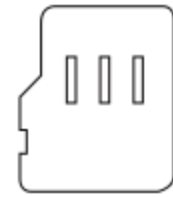

5. Set slicing parameters .

6. Click "Slice", get Gcode file.

Note: For detailed slicing instructions, please refer to user manual in the TF card.

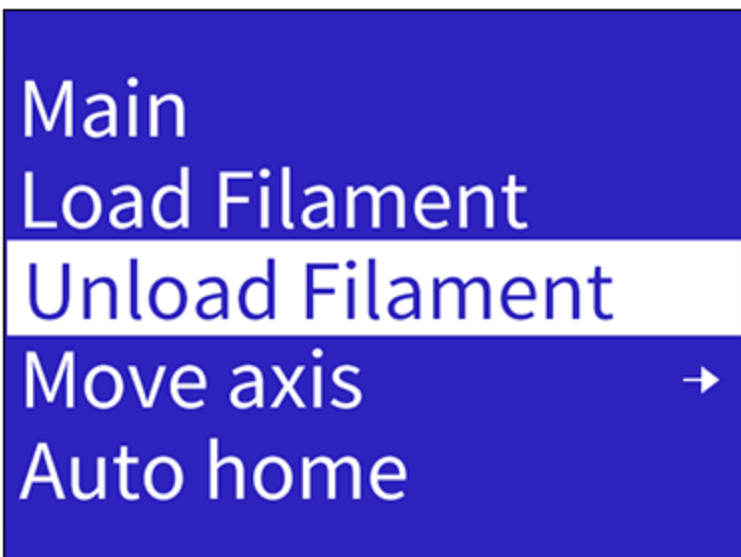## ④ Save Gcode file in the TF card and print

1. Click "Save File".

>

TF card

2. Save file to the TF card.

>

Info screen	↑
Prepare	→
Control	→
Print from TF	

3. Insert the TF card into TINA2 Basic. Print the file.

⑤ How to change the filament?

| Main |
| Load Filament |
| **Unload Filament** |
| Move axis → |
| Auto home |

1. Unload filament.

>
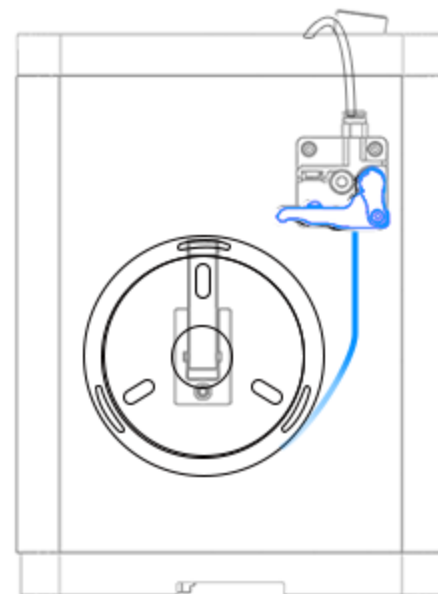
2. Change filament and insert it, until entering nozzle.

>

| Main |
| **Load Filament** |
| Unload Filament |
| Move axis → |
| Auto home |

3. Load filament.

| Common question

① Why is the nozzle clogged or no filament out ?

The nozzle will be clogged due to the damp filament, so the nozzle should be cleaned regularly.
You can view the video of cleaning the nozzle in the TF card.

② Why the model doesn't print well ?

The printing is related to the Z-offset, temperature, printing speed, support and etc.
You can check out the tutorial on adjusting the Z-offset and learn more about slice parameters.

③ What should I do if the device fails ?

Please contact after-sales service Whatsapp +86 18936012338.

④ How to get more knowledge about 3D printing ?

For detailed user instructions and installation, pease refer to user manual or video in the TF card. You can contact after-sales service or visit Wiki website.