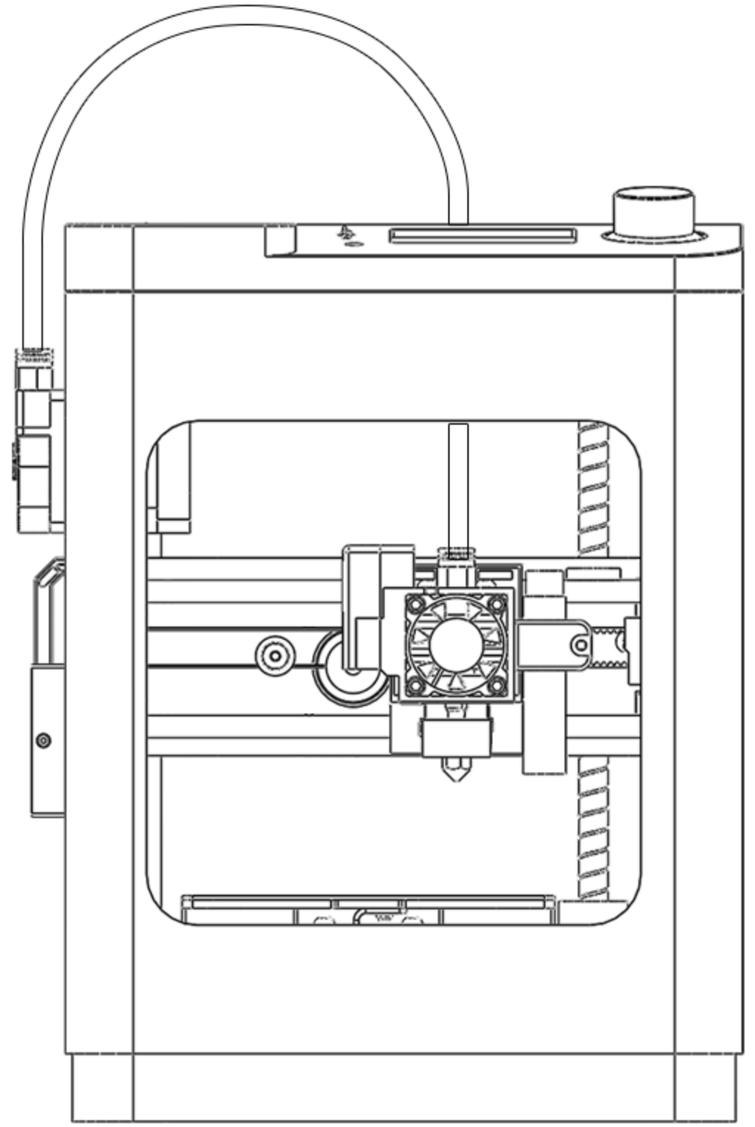
TINA 2 Basic

ENTINA unpacking guide



NOTES

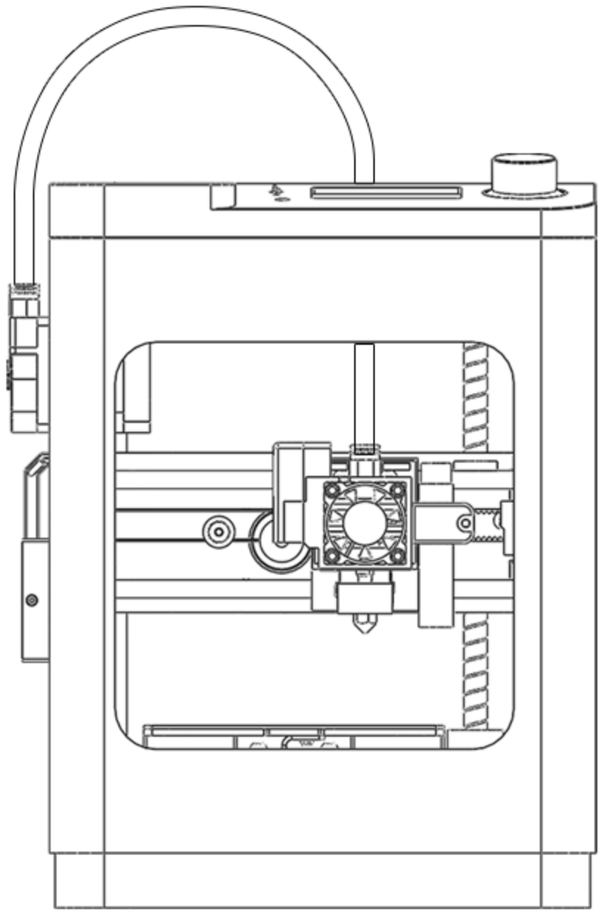
Thank you for purchasing TINA2 Basic. Please read this guide before using the device. This guide only applicable to TINA2 BASIC V9. Once you use this product, it means that you have read and accepted the following safety warnings.

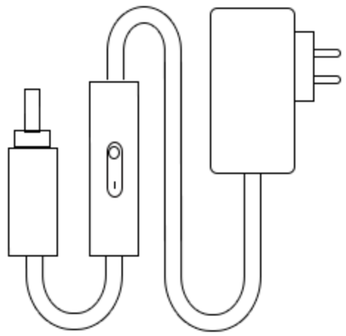
TINA2 Basic doesn't have WiFi. If you have any questions, you can email **support@entina3d.com** or contact us using **Whatsapp +86 18936012338 .**

SATETY WARNINGS

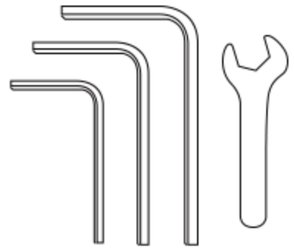
1. Do not touch the nozzle or stepper motors, when the 3D printer is printing or just finished the printing job, the nozzle temperature is up to 230°C.
2. Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture 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



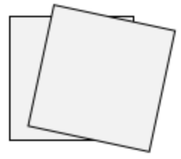


power



1.5/2.0/2.5/ 8 mm
wrench

filament



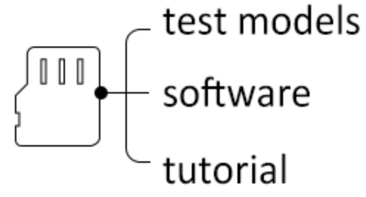
sticker

0.4mm
nozzle

nozzle needle

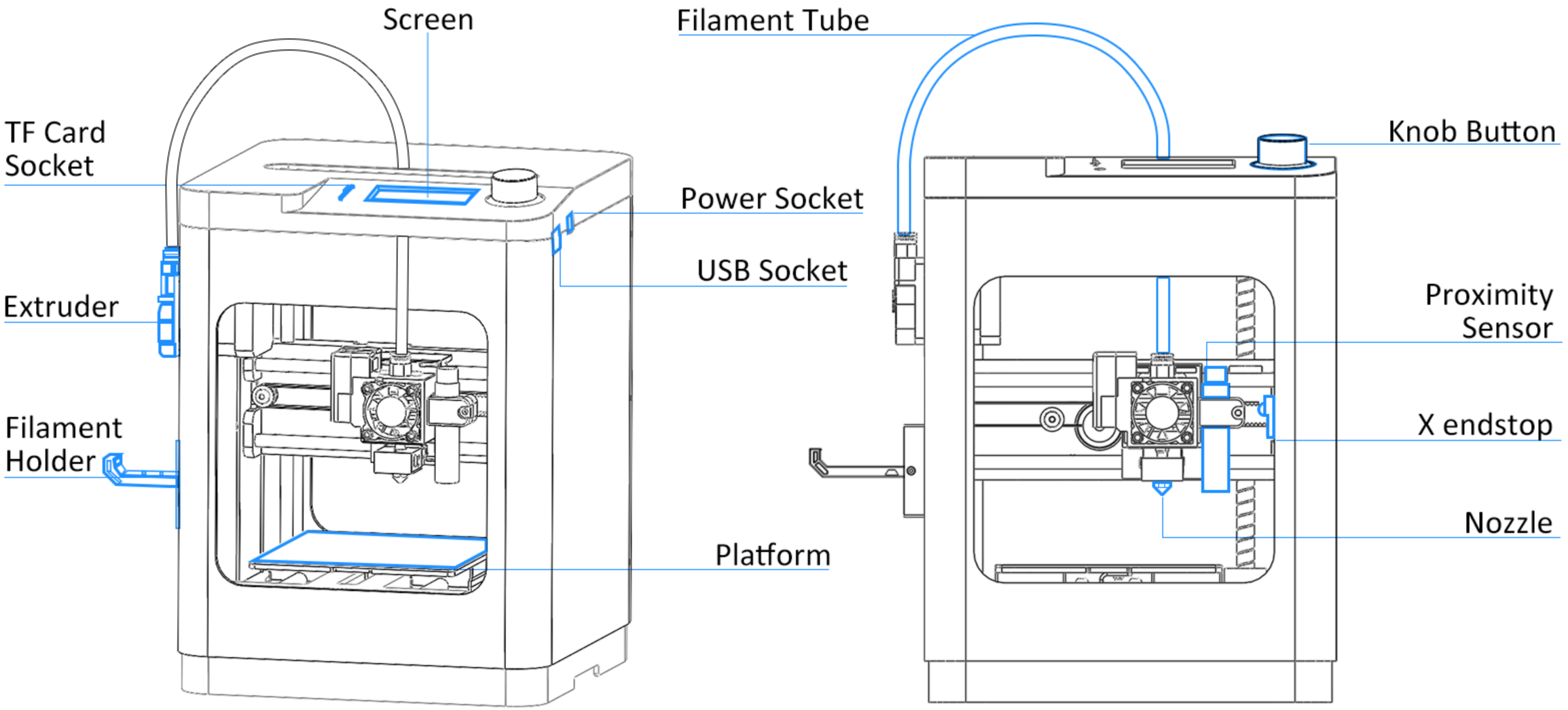
Type-C

card reader



TF card

PRODUCT OVERVIEW



SPECIFICATION

Model
TINA2 Basic V9

Product Volume
210*210*290 mm

Build Volume
100*105*100 mm

Motherboard
R72C

Weight
2.8Kg/6.2lb

Nozzle Diameter
0.4mm

Power Supply
100V- 240V/12V@5A,60W

Platform
Soft magnetic plate

Nozzle Temp
≤245℃

Speed
≤120mm/s

Input
TF Card / USB

This version does not support WiFi

Layer Thickness
0.1~0.4mm

Print Precision
±0.1mm

Leveling Tech
9-Point Auto Bed Leveling

Environmental
15℃ - 25℃

SOFTWARE

Slicing Software
Wiibuilder (Win/Mac)
Cura (Win/Mac)
Kiri (Chrome OS)

Input File Format
STL/OBJ/AMF

Print Format
Gcode

FILAMENT

Filament Type
PLA / PLA+ / TPU / PETG

Filament Diameter
1.75mm

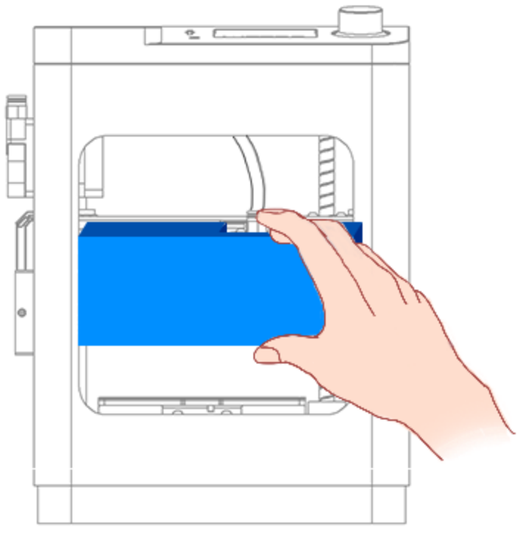
Filament Temp
<245℃

Filament Capacity
≤500g

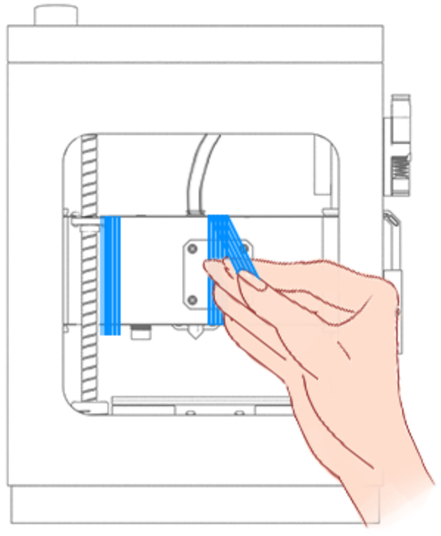
Please use the filament provided by our company. Filaments have different specifications, which can clog and damage the nozzle. If the 3D printer fails due to the other brand filament, the warranty will not be granted.

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

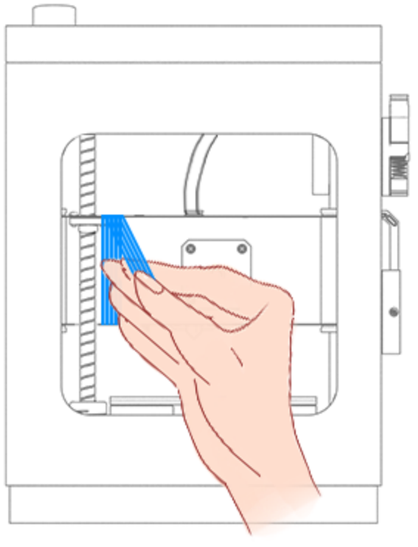
UNPACKING



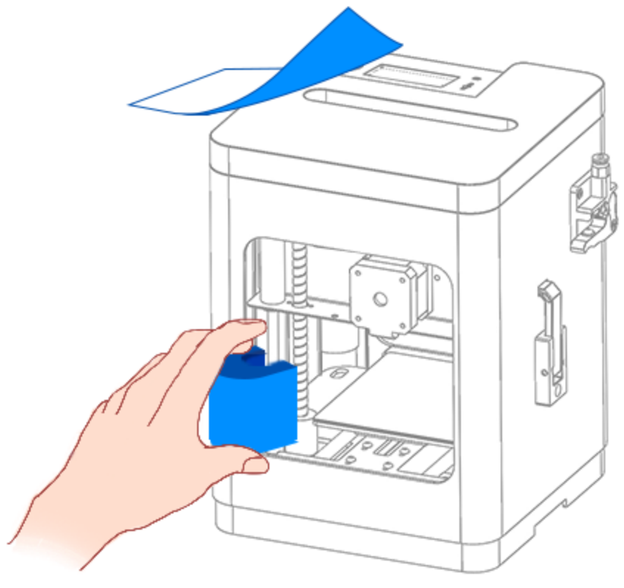
1. Remove the bubble wrap.



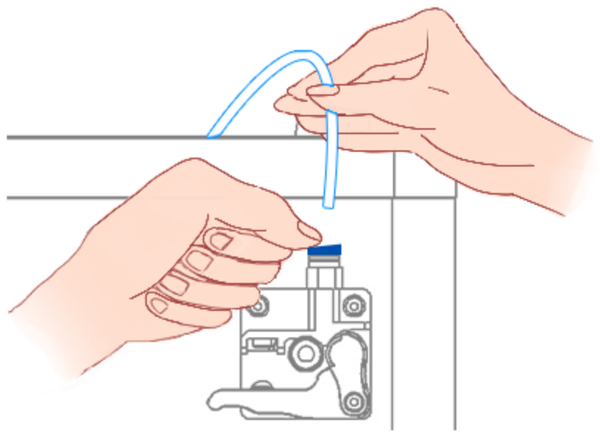
2. Peel off the tape on the nozzle.



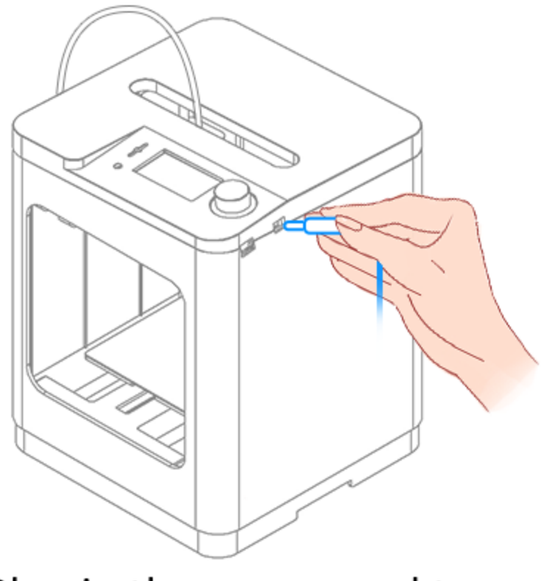
3. Peel off the tape near the Lead Screw.



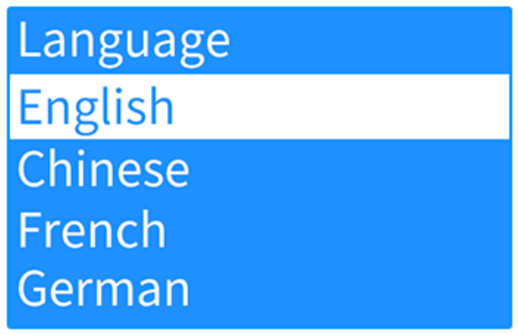
4. Remove the shaft coupling shell and sticker.



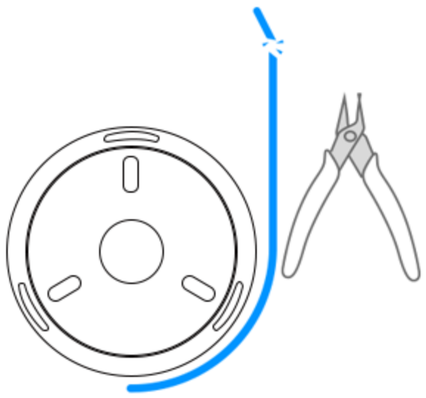
5. Press tube fitting to insert filament tube into extruder.



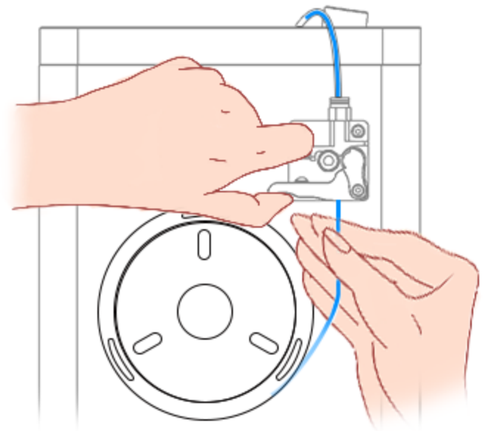
6. Plug in the power and turn on the printer.



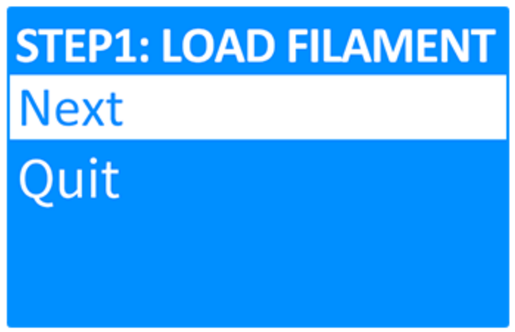
7. Select the language.



8. Cut a bevel of the filament.

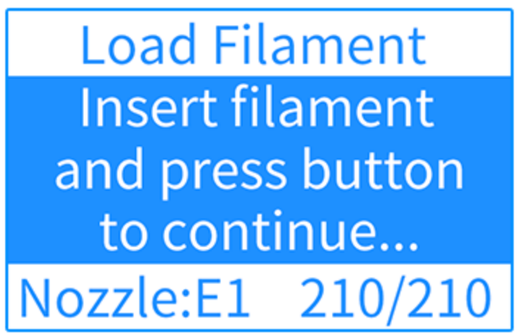


9.Insert filament until entering nozzle.

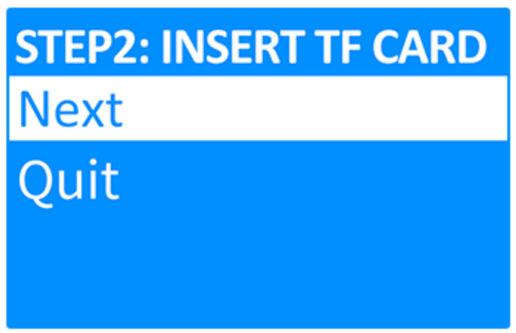


10. Click''Next''.

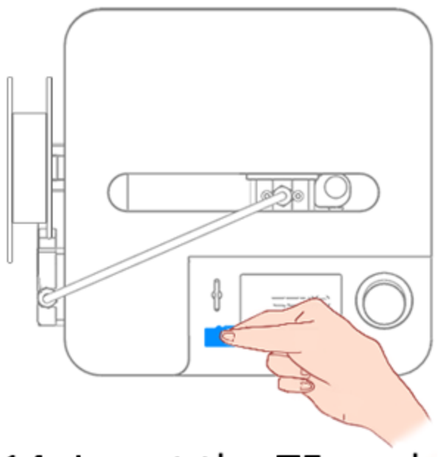
11.Wait for heating to 210°C.



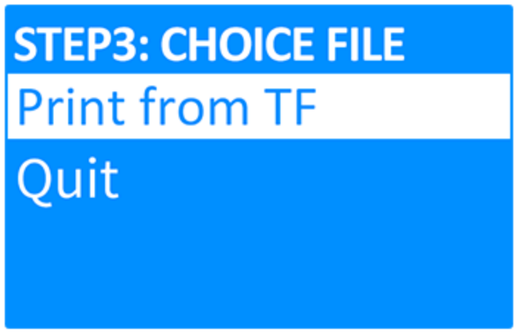
12. Follow the prompts.



13. Click''Next''.



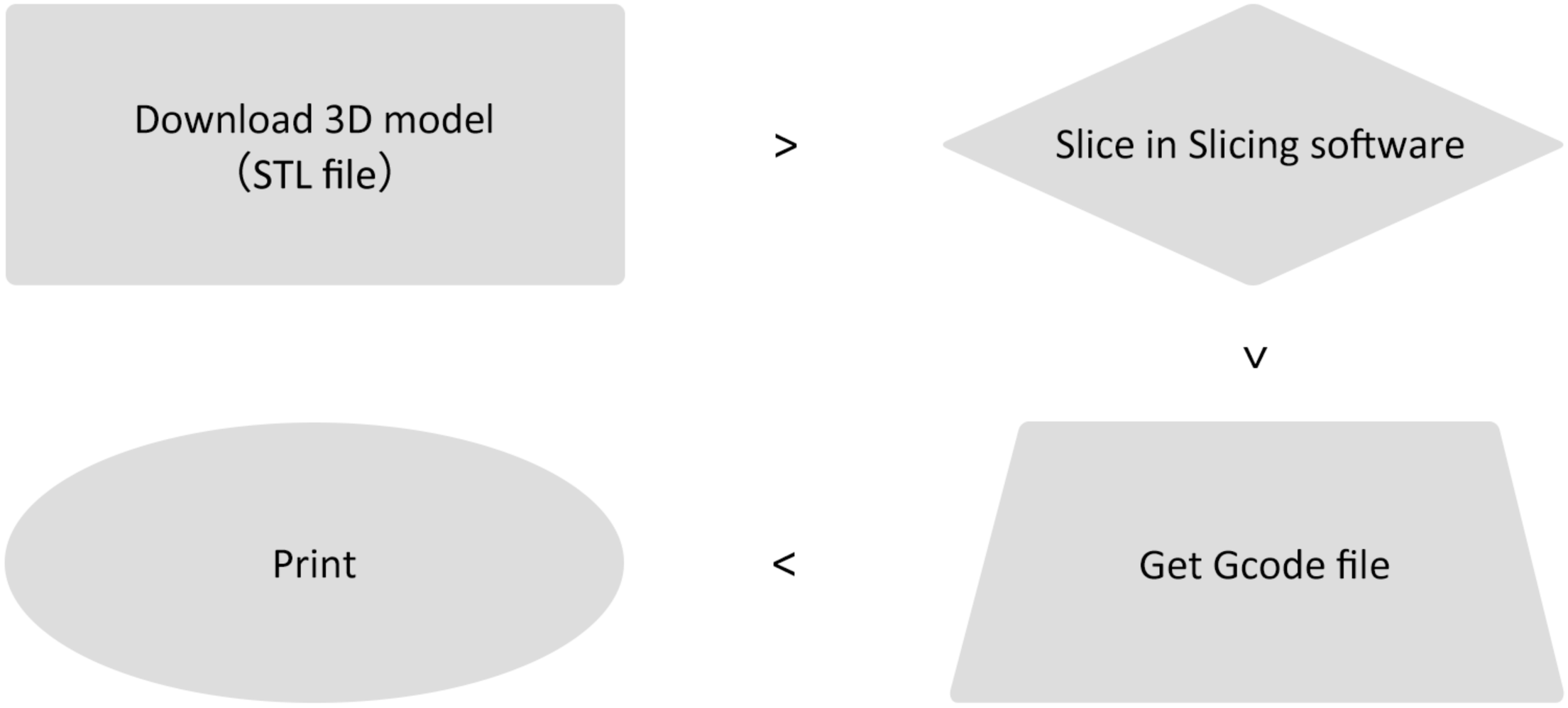
14. Insert the TF card, pay attention to its direction.



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

3D printing flow chart

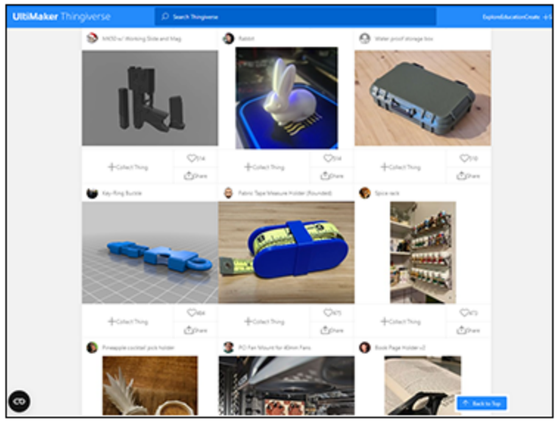
Go to the website to download 3D models, which are usually STL files and cannot be directly recognized by 3D printers. The model needs to be processed in slicing software to generate Gcode files for printing.



Note: 1. Slicing software is installed on the computer. Common options: Wiibuilder, Cura.
2. Wiibuilder is self-developed with a friendly interface and is recommended.

SLICING SOFTWARE

① Download more models



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

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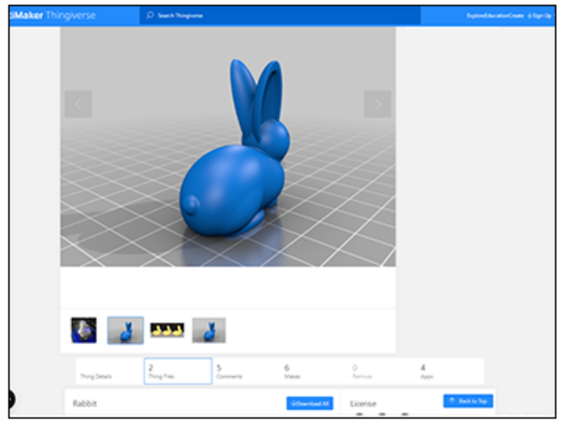

2. Select the model you want and download the STL file.

② **Wiibuilder** -- install slicing software

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

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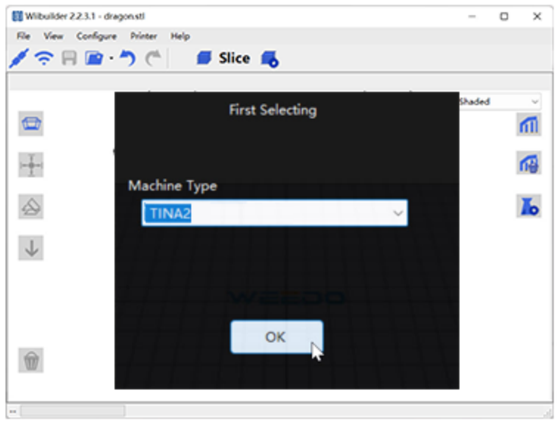
2. Double-click the program to install Wiibuilder on the computer.

③ **Wiibuilder** -- slice

>



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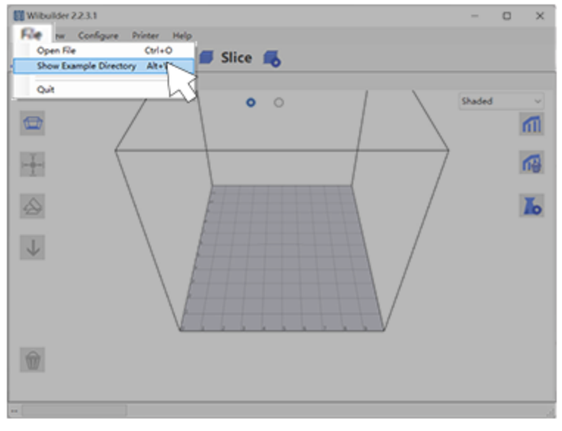
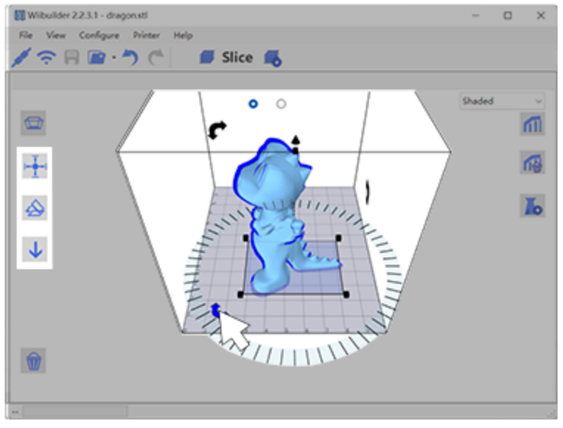


1. Open the Wiibuilder.

2. Be sure to choose “TINA2” .

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



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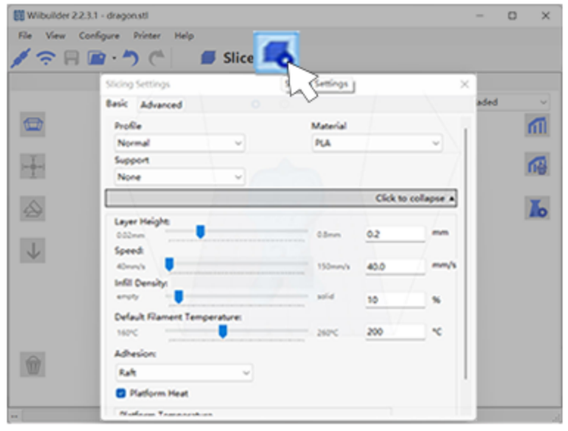

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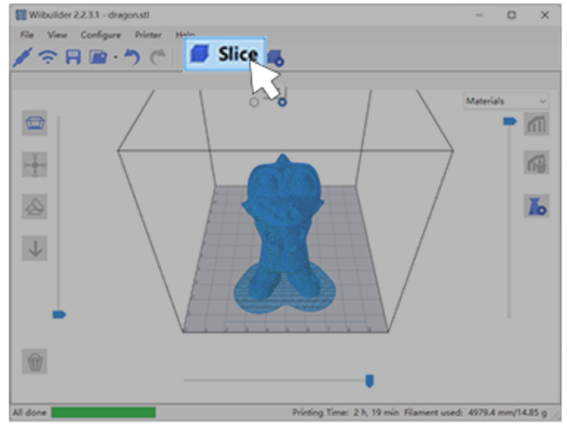


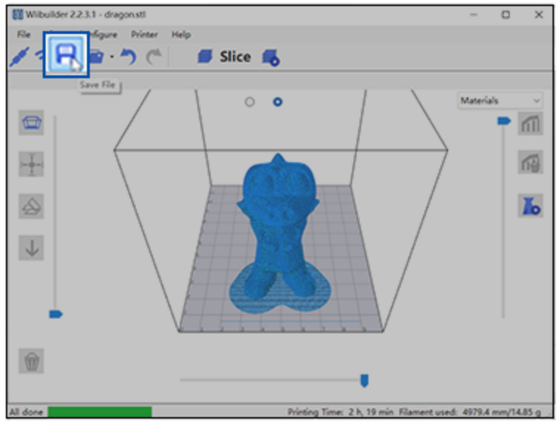
4. Click and adjust the model.

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".

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TF card

2. Save Gcode file to the TF root.

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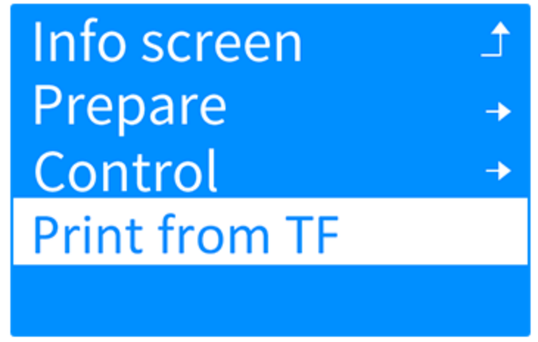
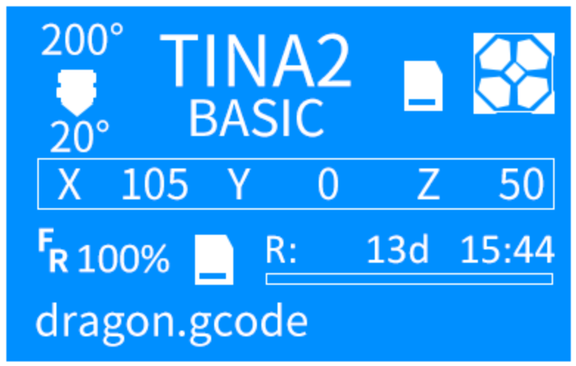


3. Insert the TF card into TINA2 Basic. Print the file.

⑤ How to change the filament?



1. Press the button during the printing.

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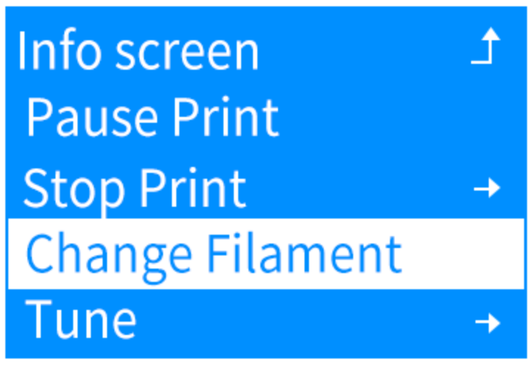

2. Click “Change filament”.

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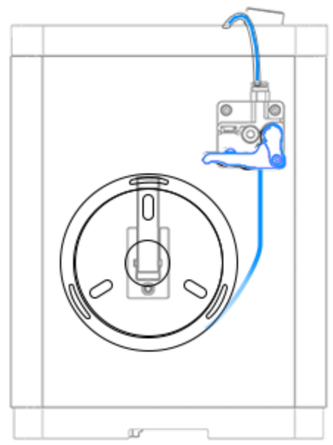


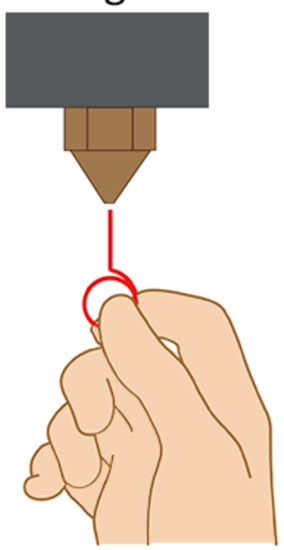
3. Follow the instructions on screen to replace the filament.

COMMON OPERATIONS

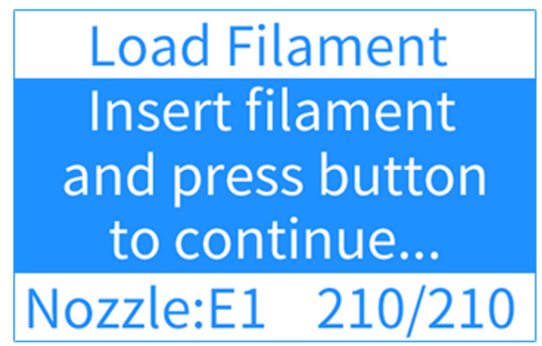
① What should I do if the nozzle is clogged?

The nozzle will be clogged due to the damp filament, so the nozzle should be cleaned regularly or replace hotend. Please heat the nozzle to clear it, and be careful not to get burned when operating. You can search ENTINA3D on YouTube to view videos.

1.Click "Load Filament" and wait for heating to 210°C.

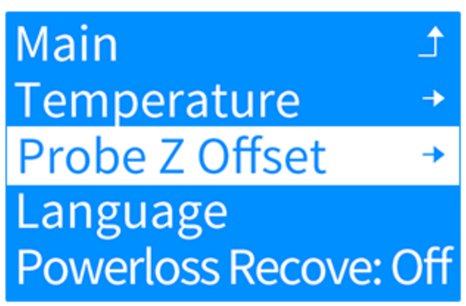


2. Push a needle through the nozzle.

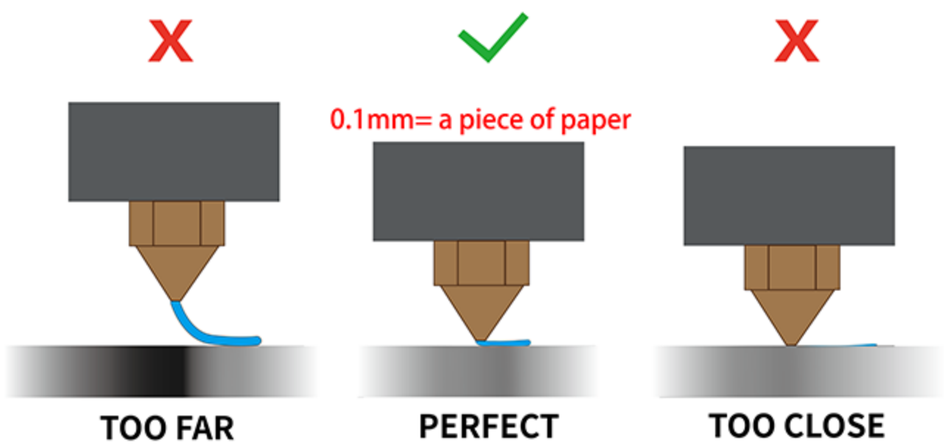


3.If the blockage has been cleared, the filament will slip through the nozzle.

② What should I do if my model doesn't stick?



1.Use the Z-Offset function.



2. Adjust the nozzle-platform gap.

3. Apply glue to the platform.