snapmaker | Quick Start Guide
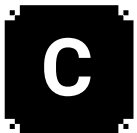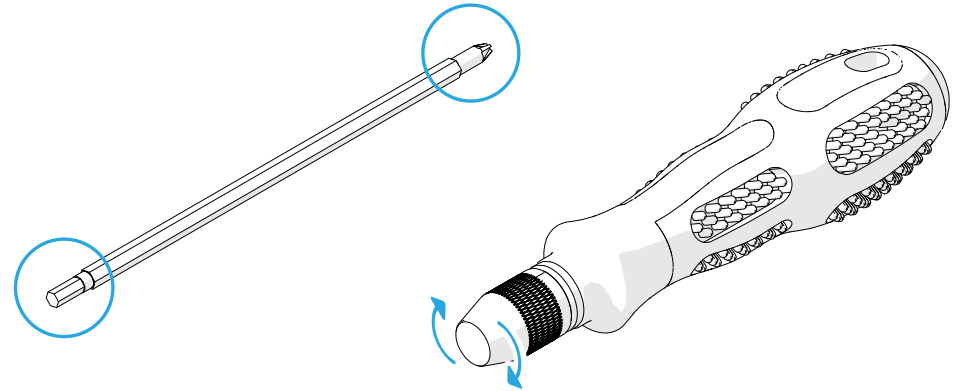
Content
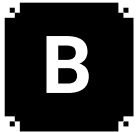
Before You Start

Get the Screwdriver Ready

The screwdriver is dual-purpose. Change the blade as you need.

Used Symbols

! Caution
Ignoring this type of message might result in malfunction or damage of the machine.

Notice
Details you should be aware of throughout the process.

Tips
Tips offer you convenient operations and additional options.

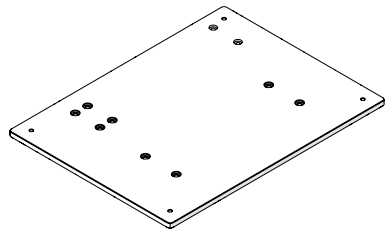Make sure that the highlighted part is facing the right way.

Assemble the 3D Printer
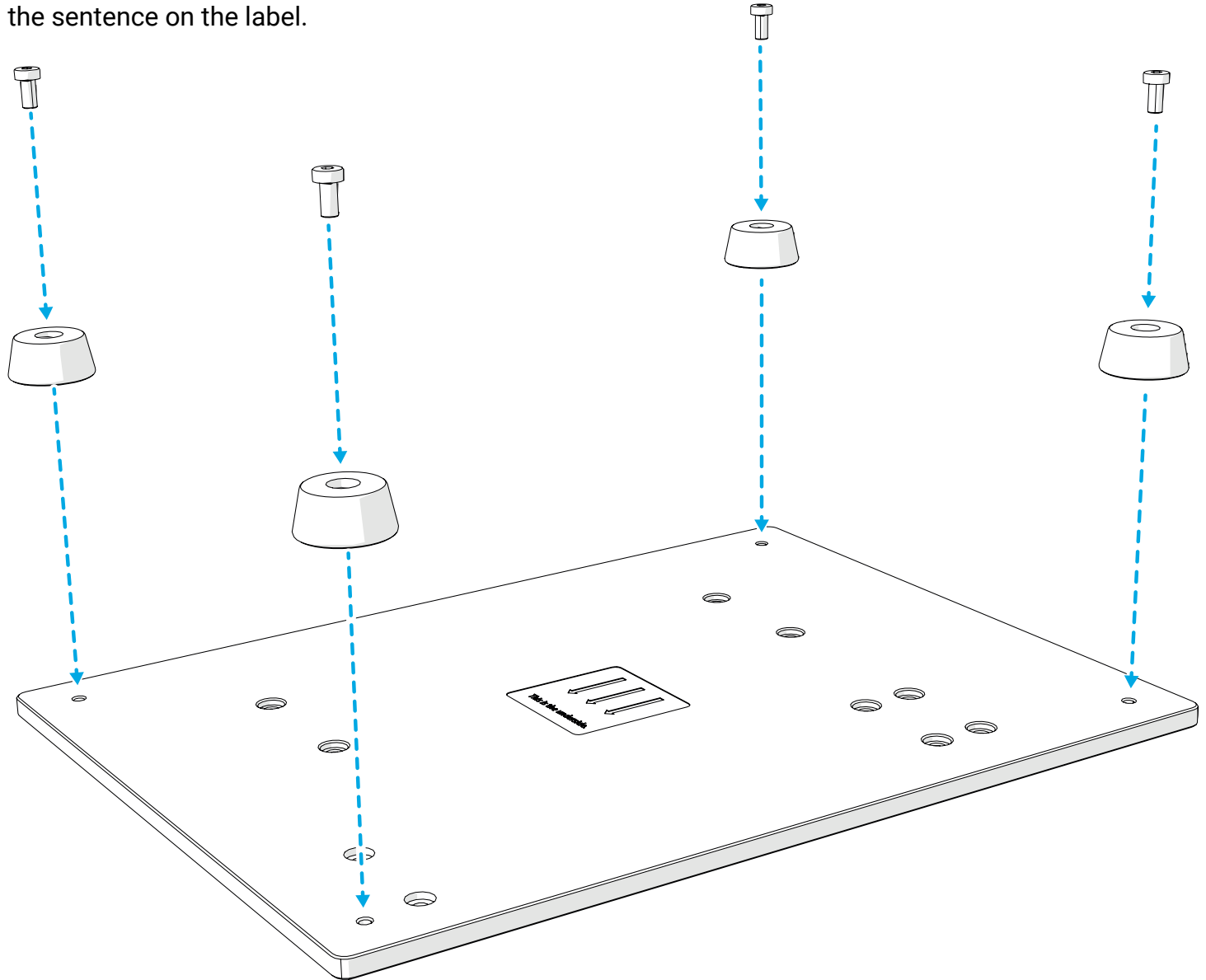
1 Attach the Feet to the Base Plate
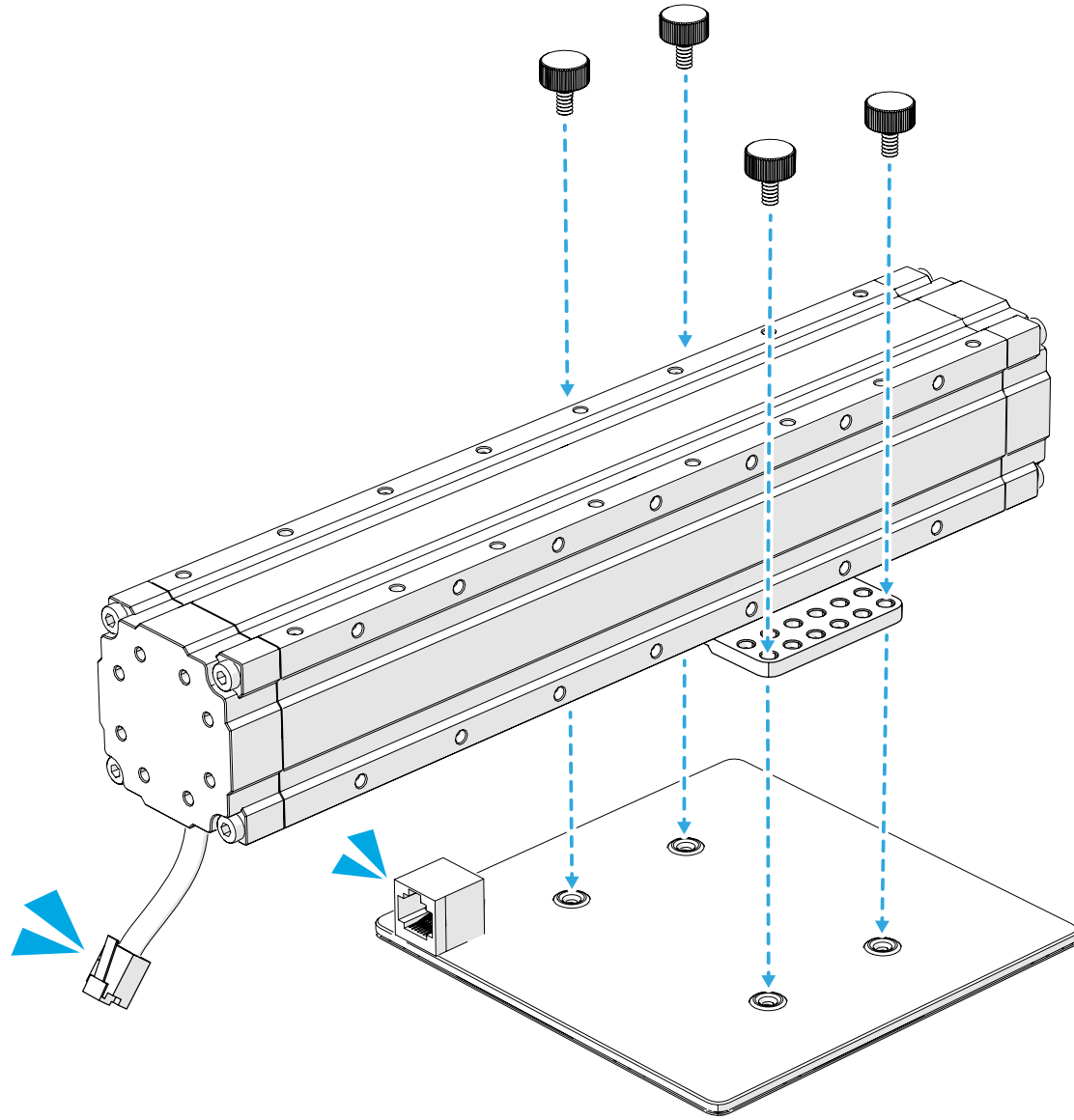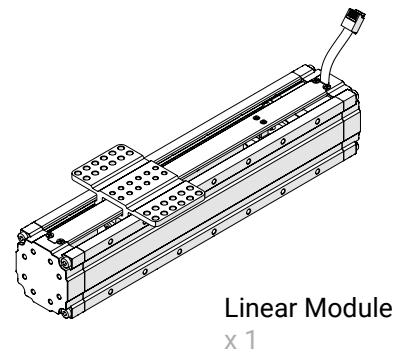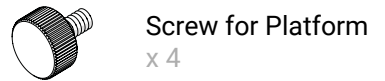
M4 x 8 Screw
x 4

Foot
x 4

Base Plate
x 1

Place the Base Plate so that you can read the sentence on the label.

Assemble the 3D Printer

2 Attach the Heated Bed to One of the Linear Modules (Y Axis)

Screw for Platform
x 4

Heated Bed
x 1

Linear Module
x 1

Notice

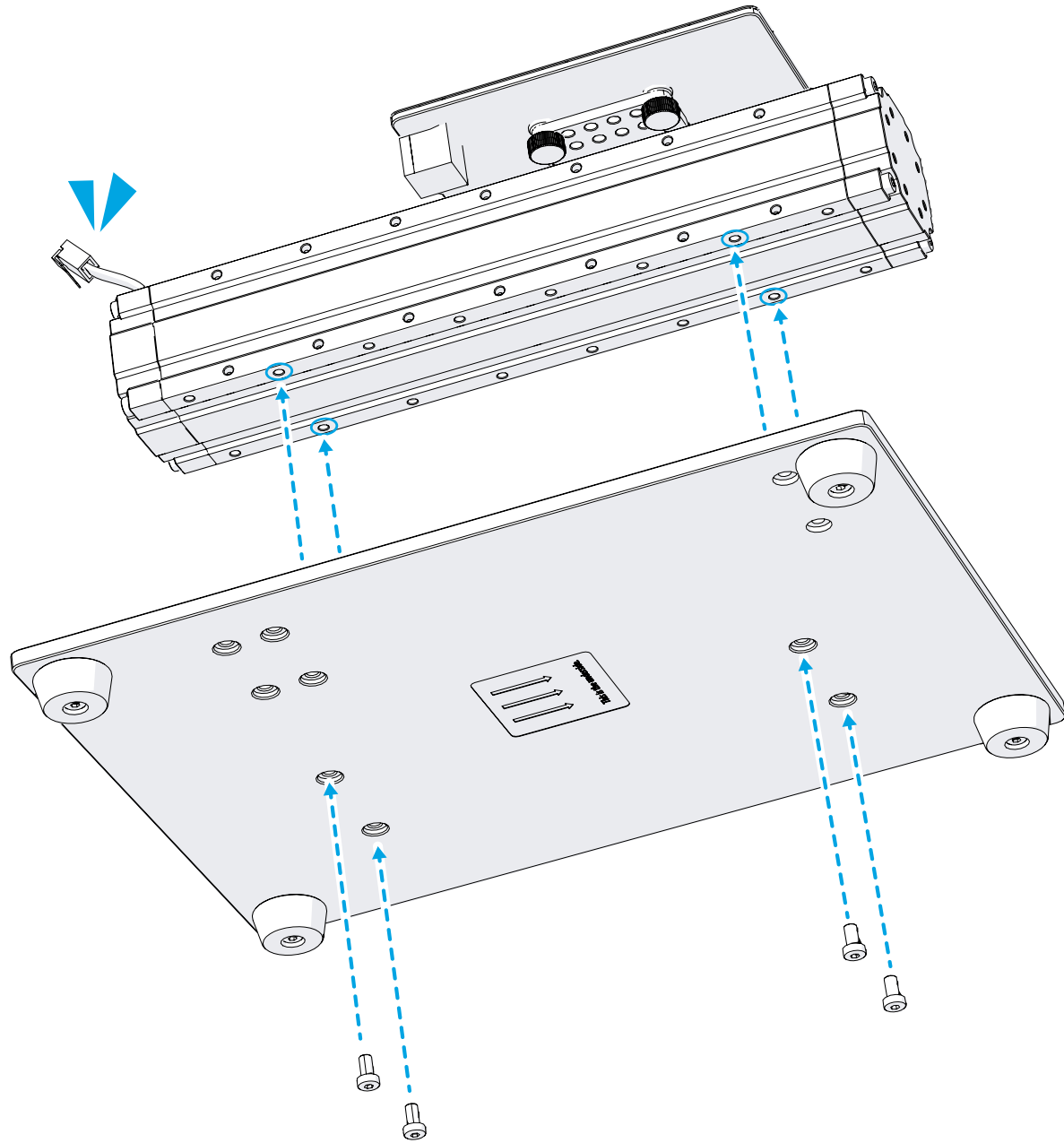The installation position of the screws must be the same as illustrated.

Assemble the 3D Printer

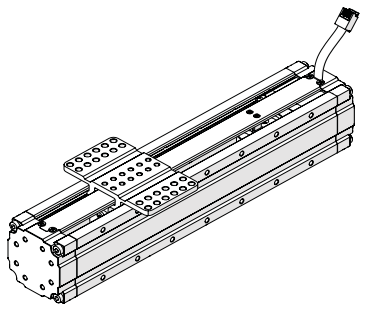**3** Attach the Y Axis to the Base Plate
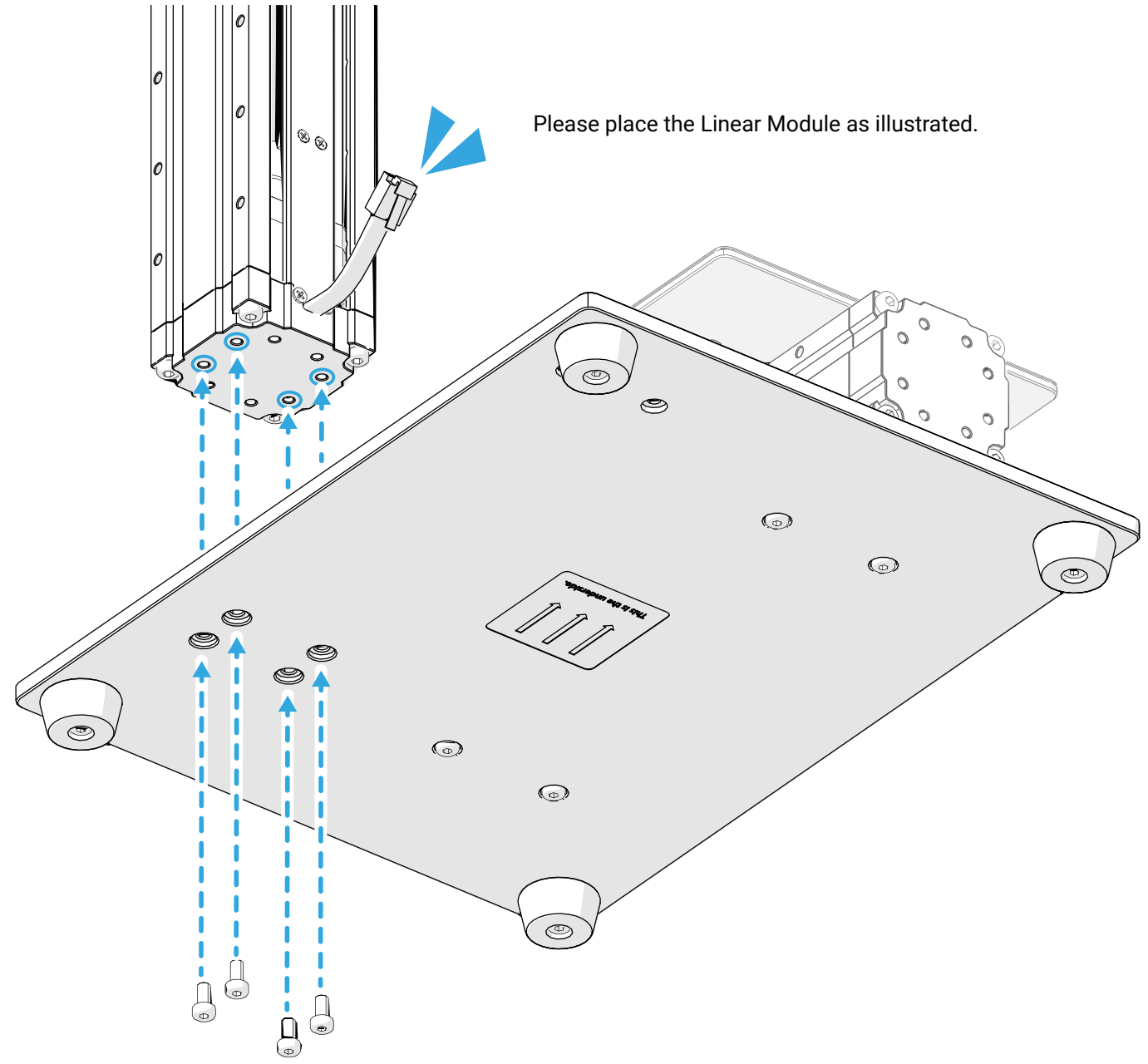
M4 x 8 Screw
x 4

Assemble the 3D Printer

4 Attach the Z Axis to the Base Plate

M4 x 8 Screw
x 4

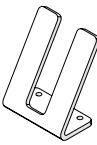**Linear Module**
x 1

Please place the Linear Module as illustrated.
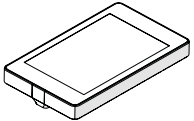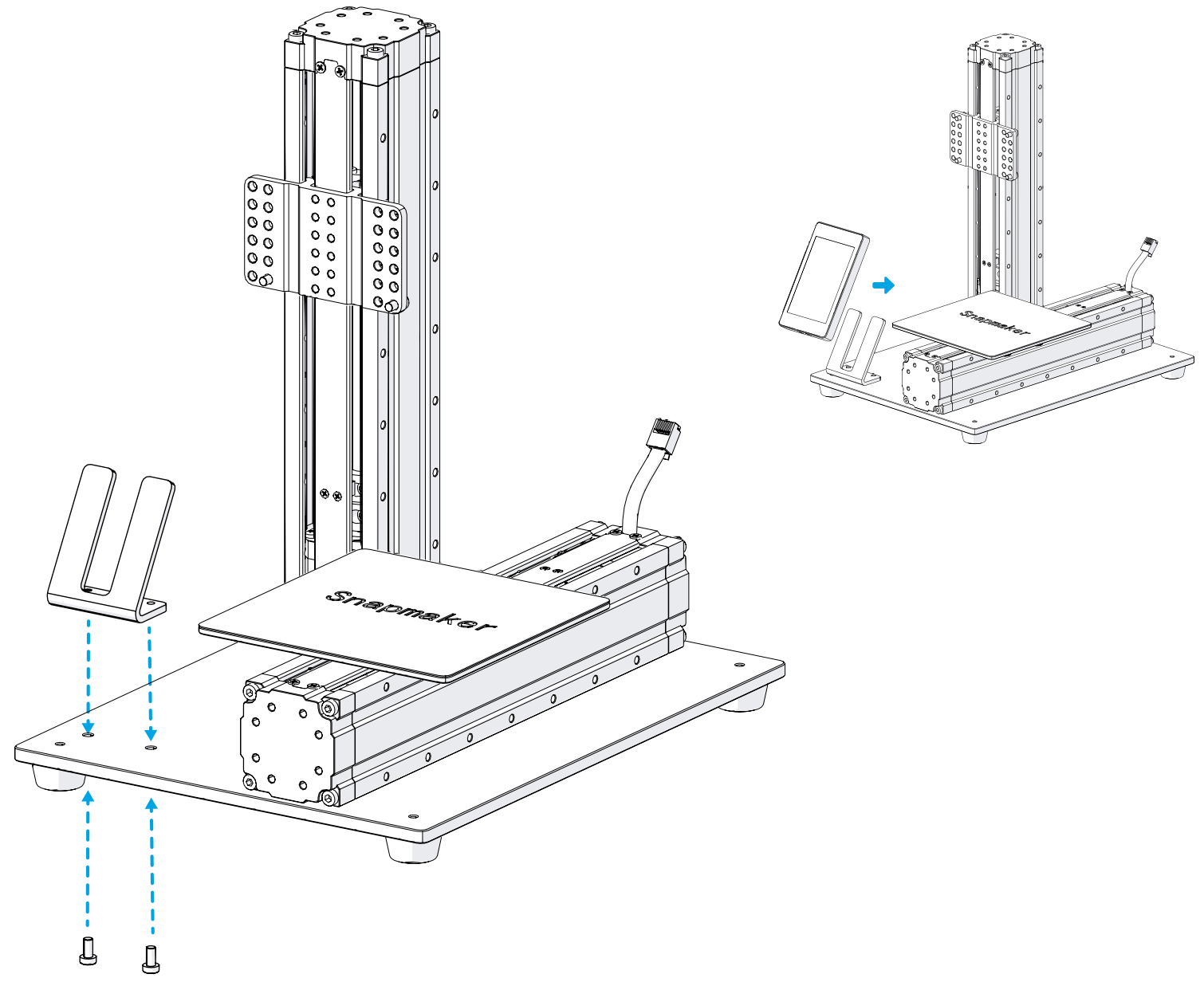
Assemble the 3D Printer

5 Assemble the Screen Holder and then
Slide the Touch Screen into the Screen Holder

M4 x 8 Screw
x 2

Screen Holder
x 1

Touch Screen
x 1
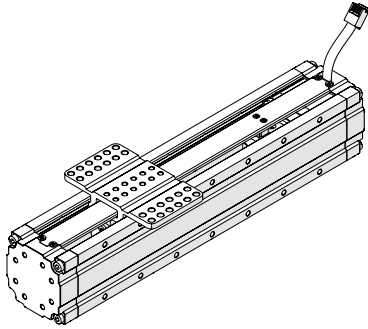
Assemble the 3D Printer

6 Attach the X Axis to the Z Axis
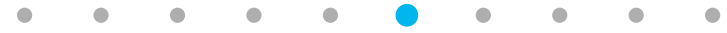
M4 x 8 Screw
x 4

Linear Module
x 1

Notice

The installation position of the screws must be the same as illustrated.

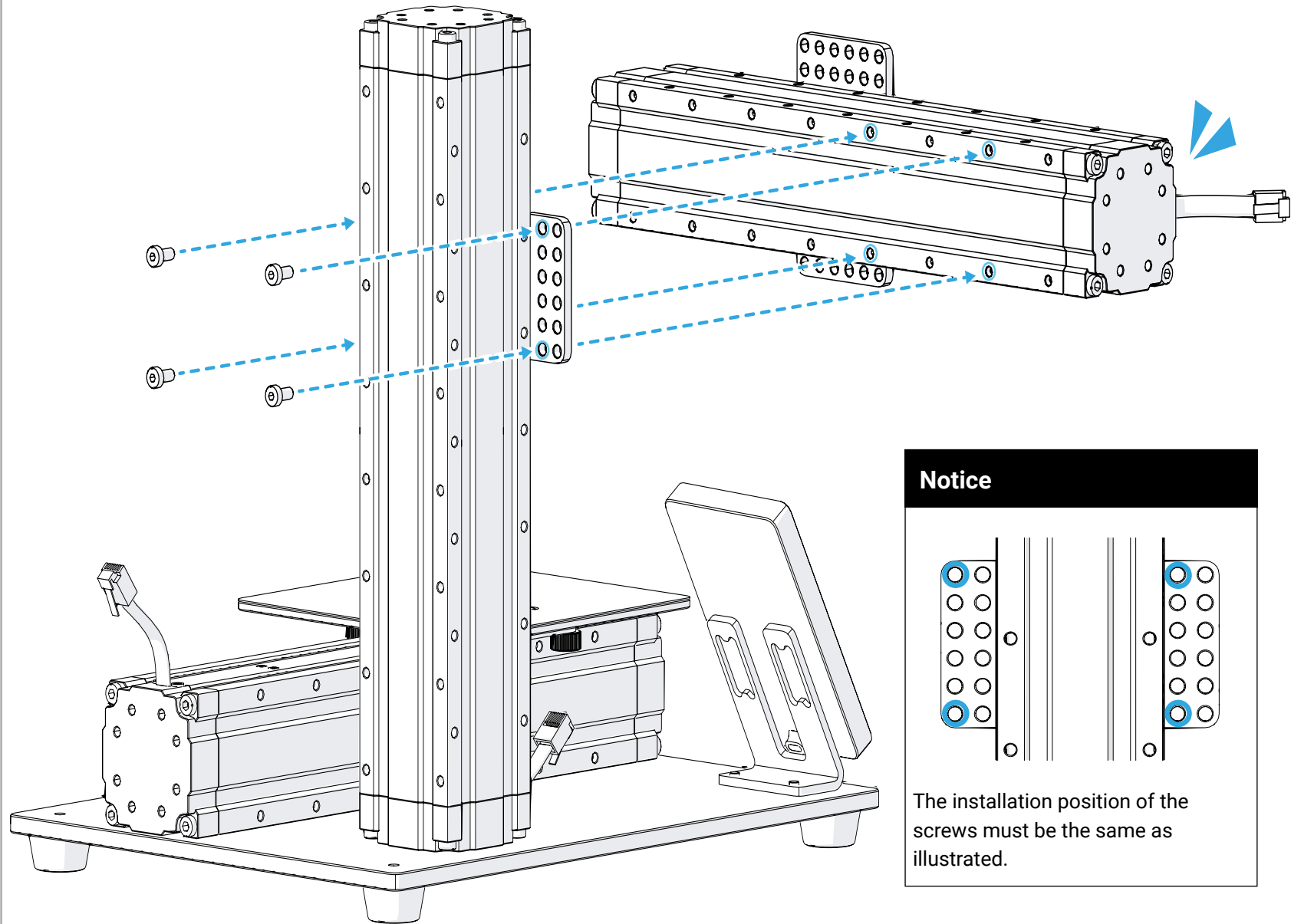## Assemble the 3D Printer

7 Attach the 3D Printing Module to the X Axis

M4 x 8 Screw
x 4
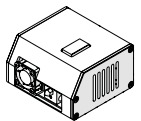
3D Printing Module
x 1
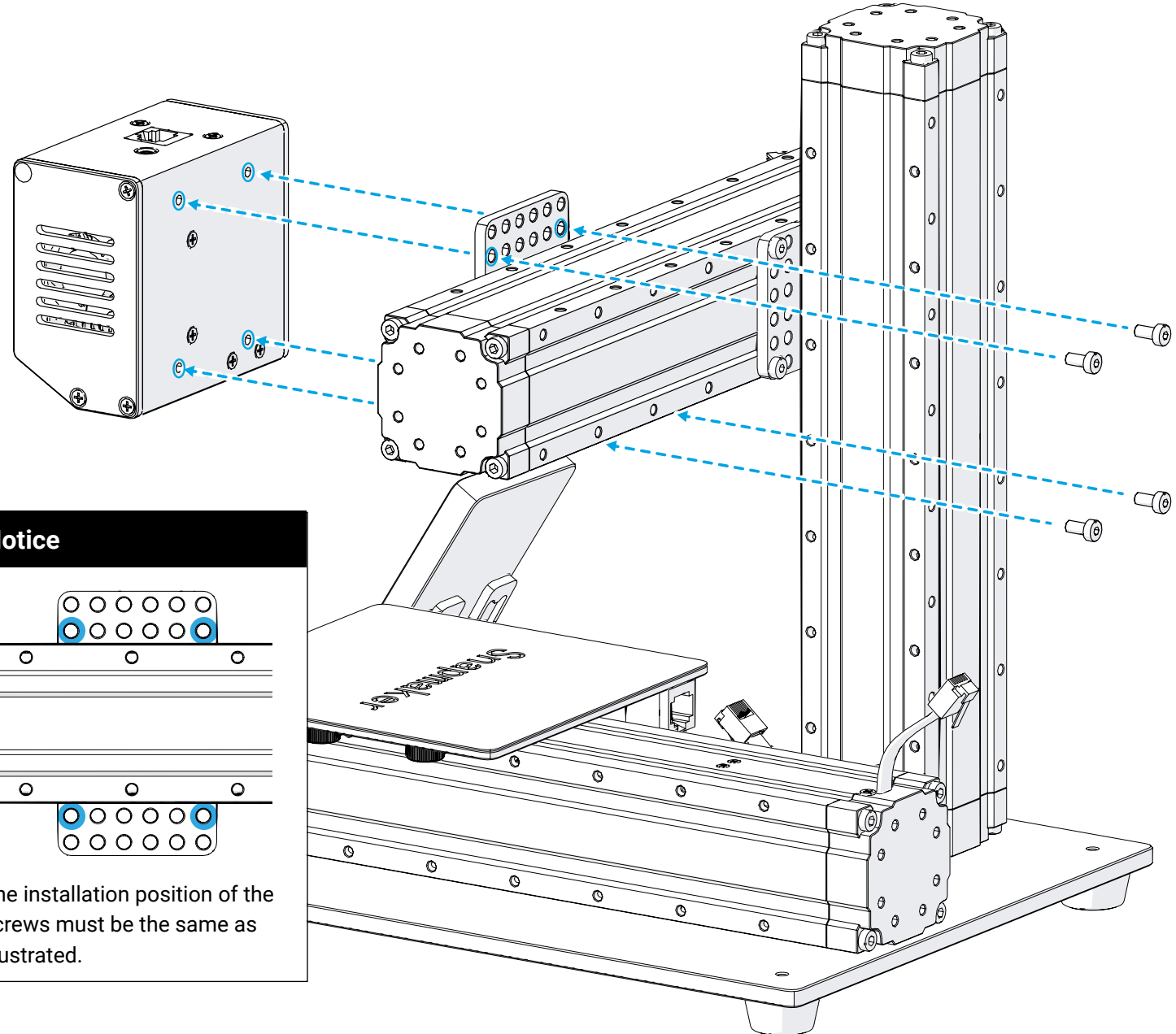
Notice
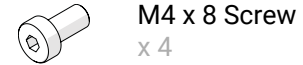
The installation position of the screws must be the same as illustrated.

Assemble the 3D Printer

8 Attach the Controller to the Z Axis

M4 x 28 Screw
x 4
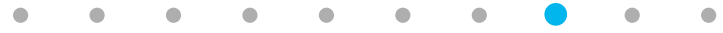
Controller
x 1

! Caution

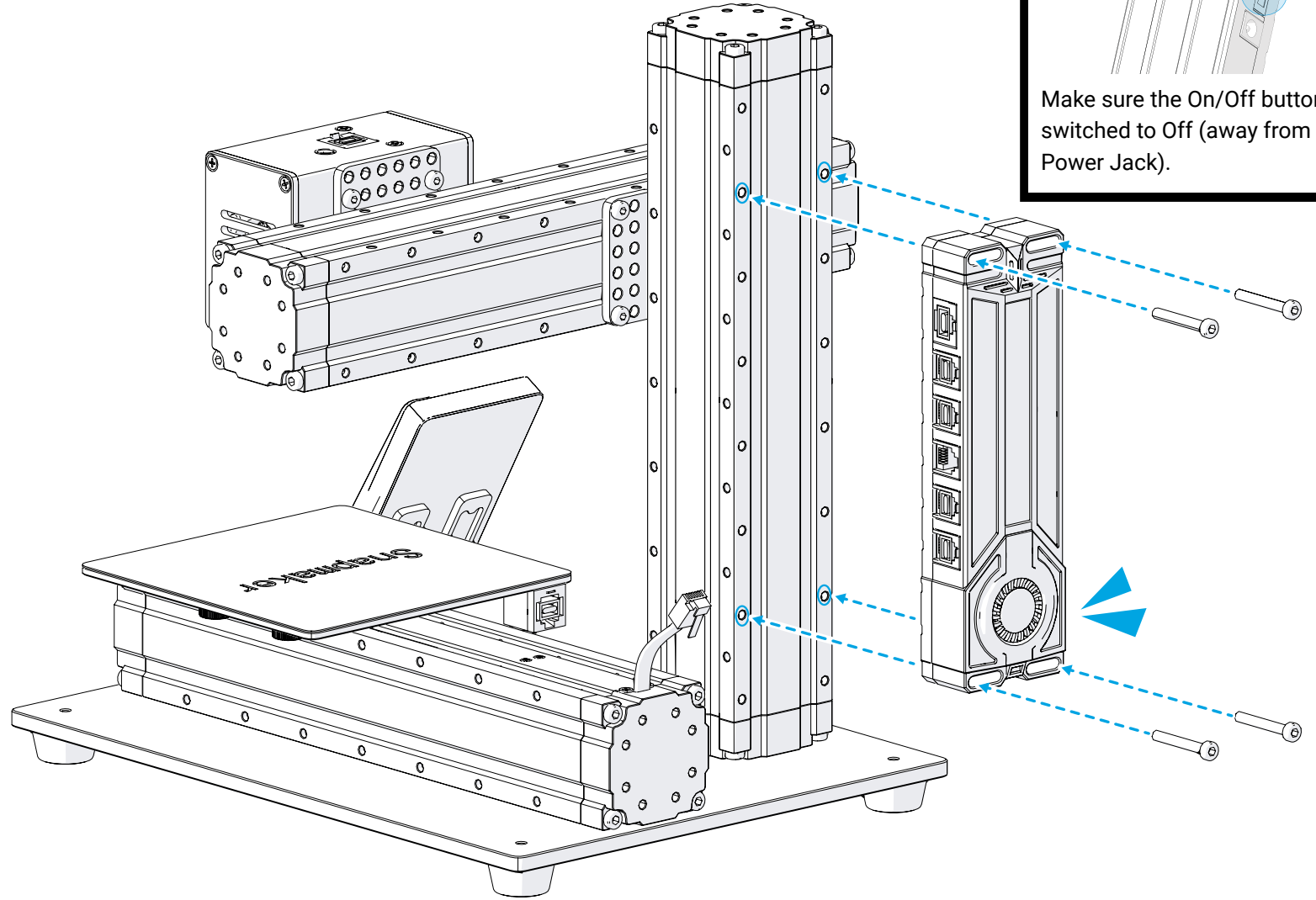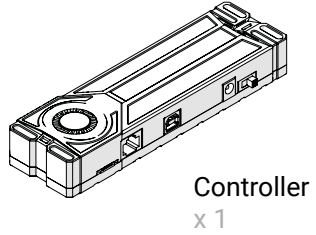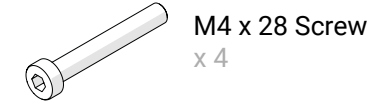Make sure the On/Off button is switched to Off (away from the Power Jack).

Assemble the 3D Printer

9 Attach Filament Holder to the Z Axis
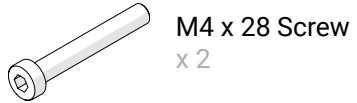
M4 x 28 Screw
x 2
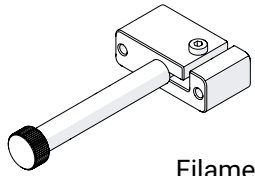
Filament Holder
x 1

snapmaker
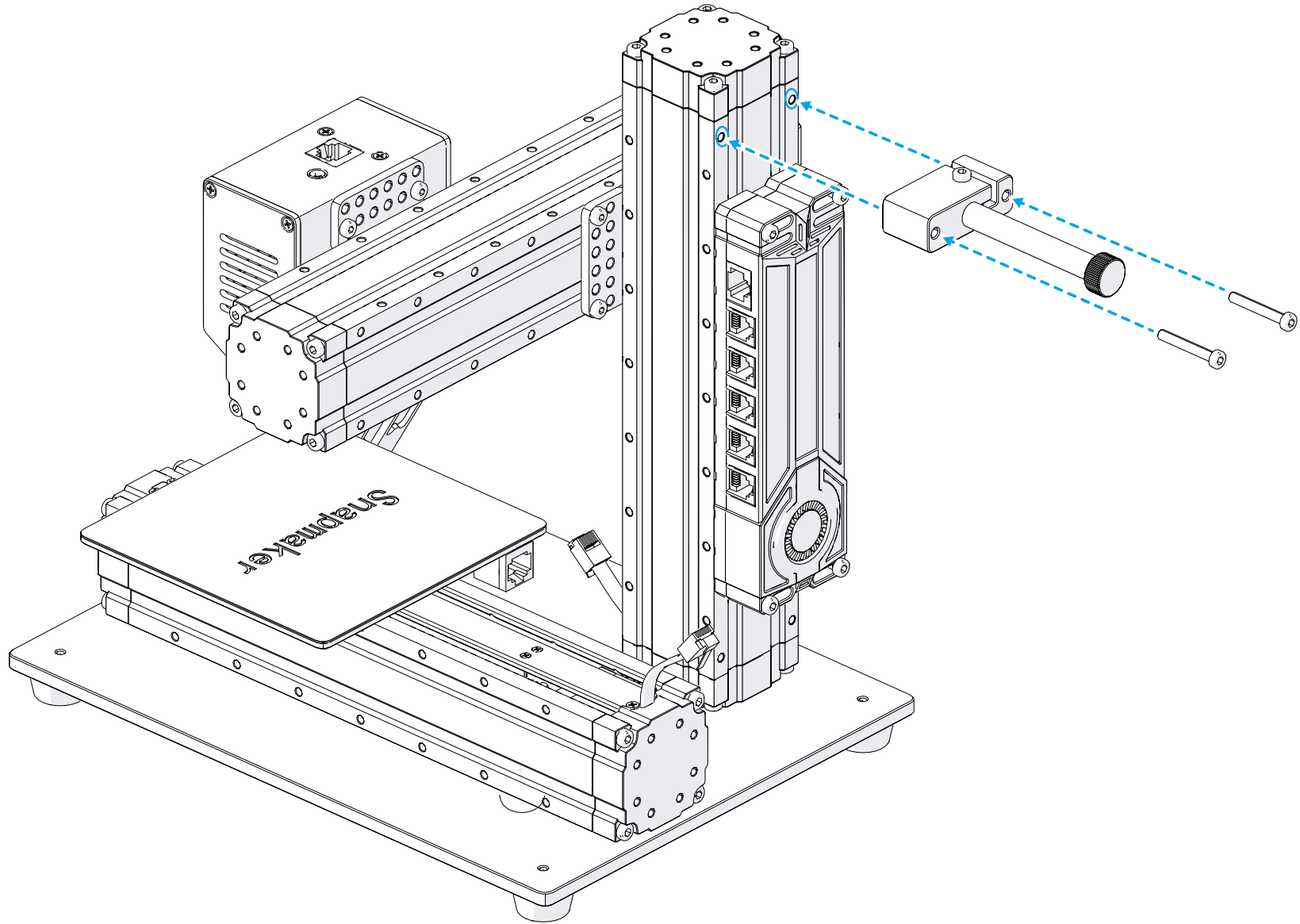
Assemble the 3D Printer

10 Connect the Modules to the Controller and Power On

RJ45 Cable
x 1

RJ25 Cable
x 1

Power Adapter
x 1
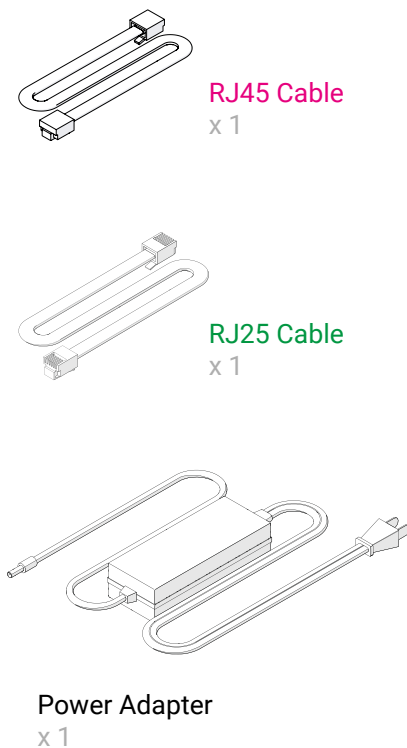
The RJ25 Cable (Heated Bed Cable) is comparatively smaller than the RJ45 Cable (Module Cable).
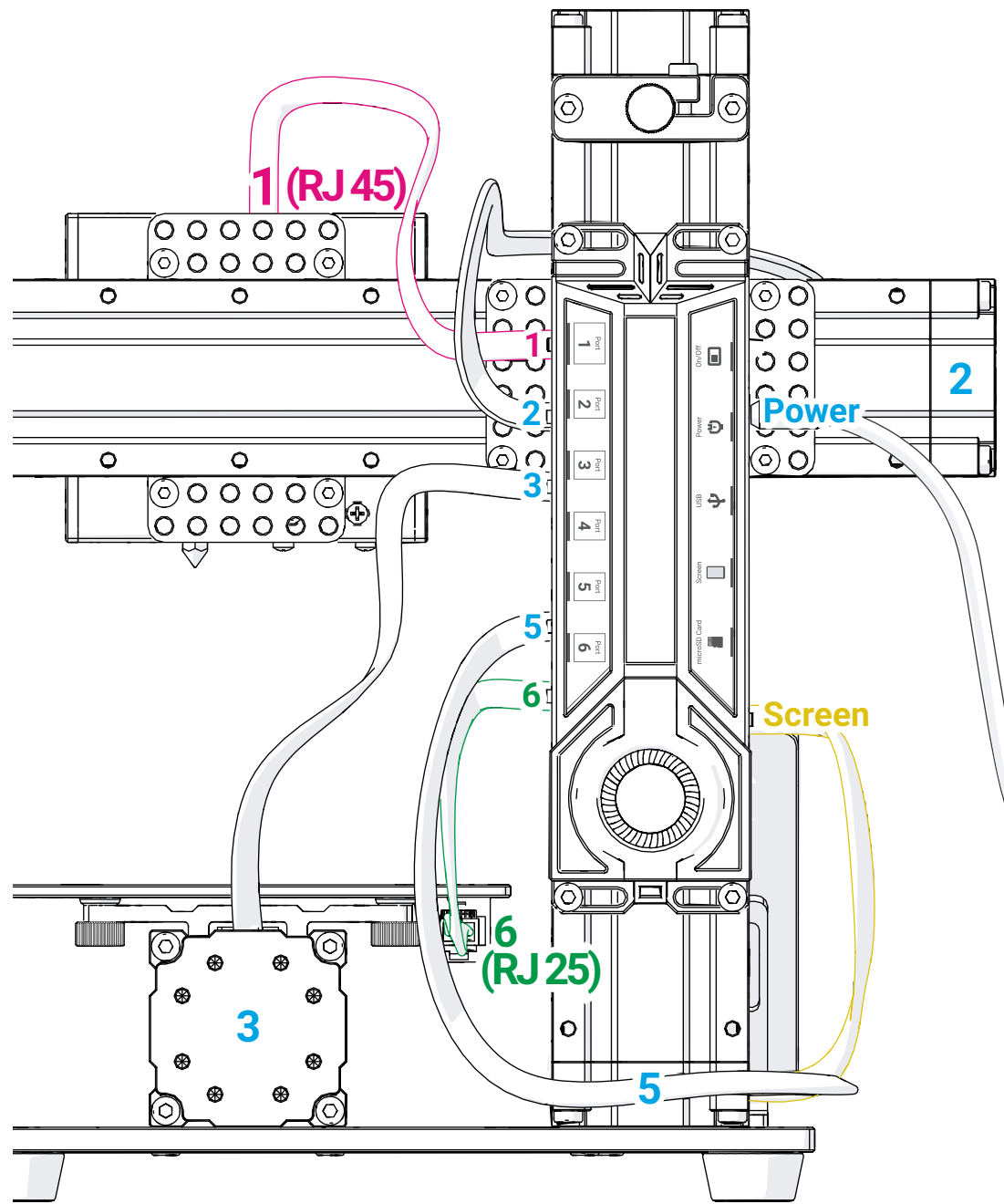
1 (RJ 45)

2

Power

3

5

6

6 (RJ 25)

Screen

5

Notice

You can also connect the cables according to the provided card.

! Caution

Make sure all the cables are correctly and properly connected as illustrated before you power on the machine.

Do **NOT** connect or disconnect the cables or USB when the machine is powered on.

snapmaker

Use the 3D Printer
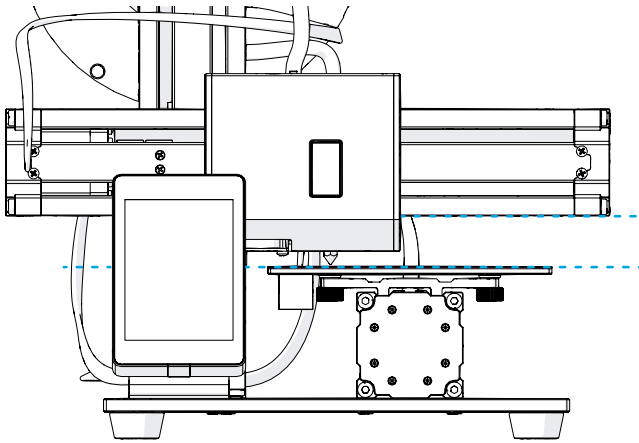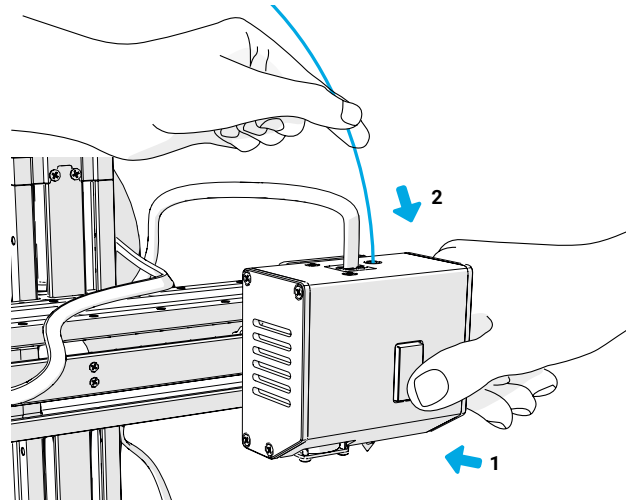
Level the Heated Bed   >>   **Load Filament**   >>   **Start Printing**
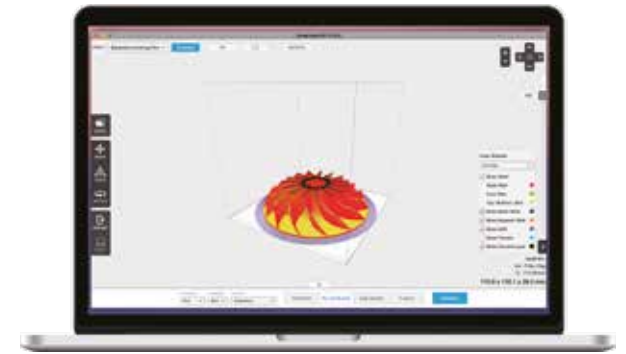
Level the Heated Bed

1 This Section Makes Sure the Heated Bed and X Axis are Level
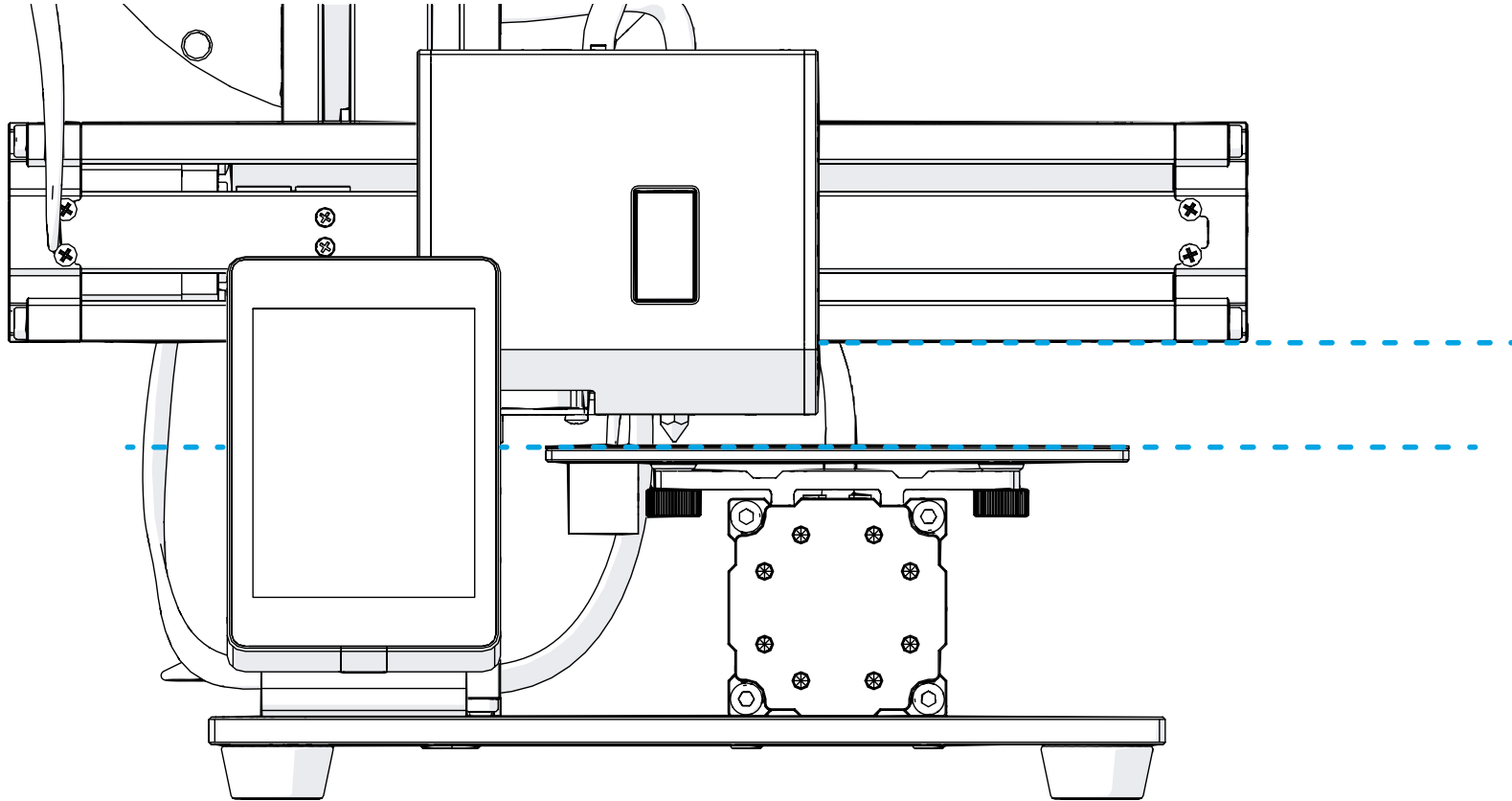
If the print cannot stick to the heated bed, it is recommended to go through this section again.

Level the Heated Bed　**2**　Level the Four Corners in Order
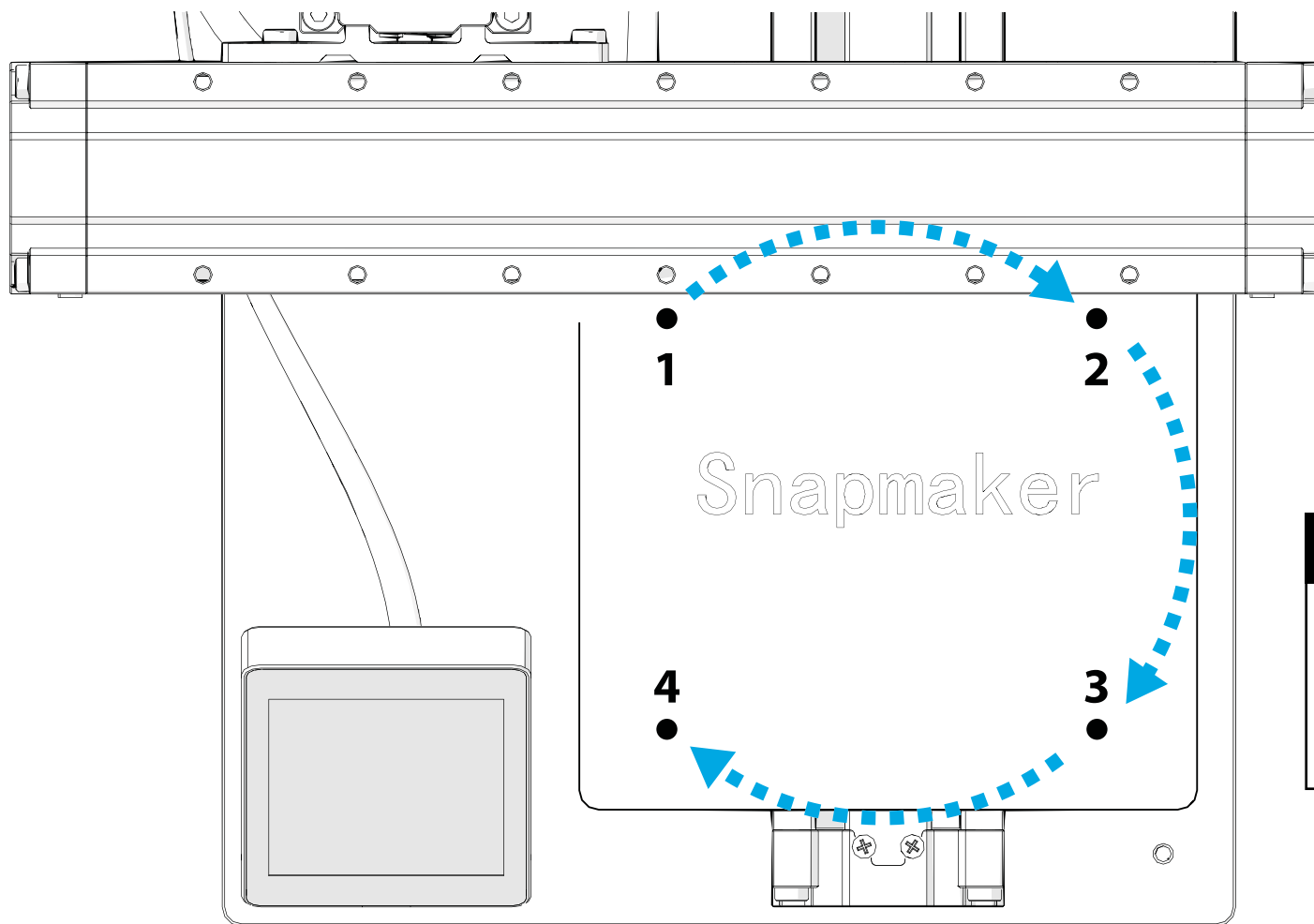
Notice

The sequence must be strictly followed, or the leveling will fail. If there is any mistake during this process, please level the heated bed again starting from the first corner.

To level the heated bed, please level the four corners in order. These corners correspond to the numbers on the Touch Screen as shown in the next step.

snapmaker

Level the Heated Bed **3** Level the First Corner
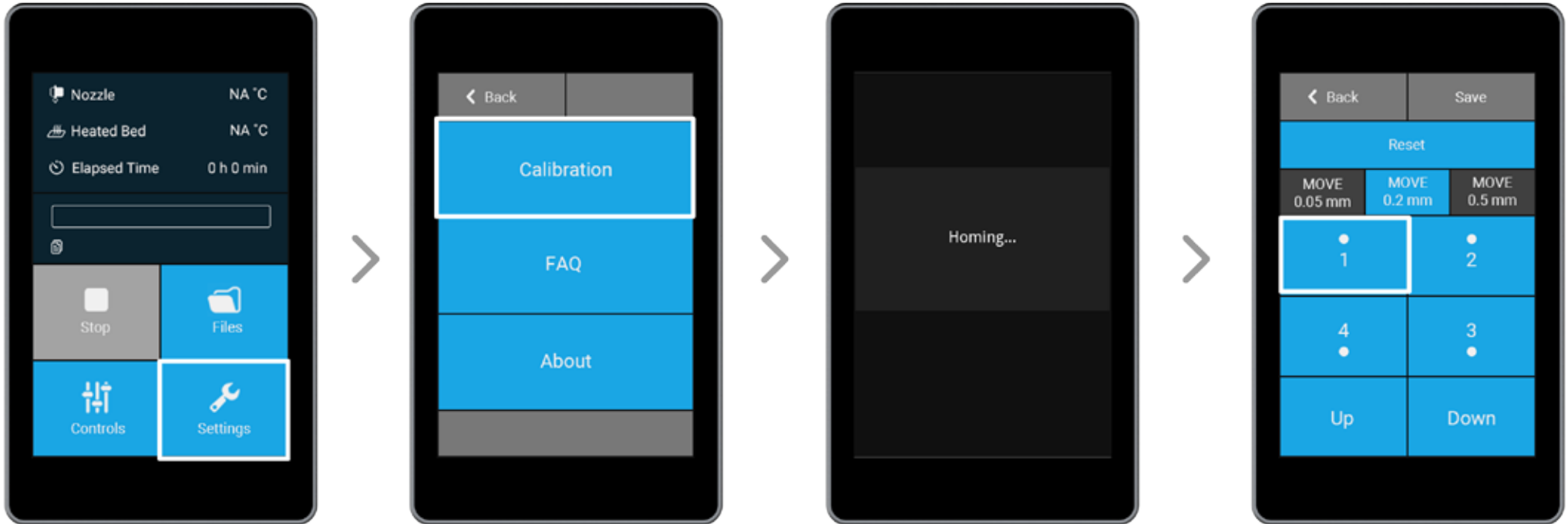
On the Touch Screen, go to Settings > Calibration.
It may take a few seconds after you tap Calibration.
Tap 1 and the 3D Printing Module will move to the first corner.

Level the Heated Bed **4** Get an A4 Paper

Put one half of a sheet of A4 paper between the Heated Bed and the nozzle.
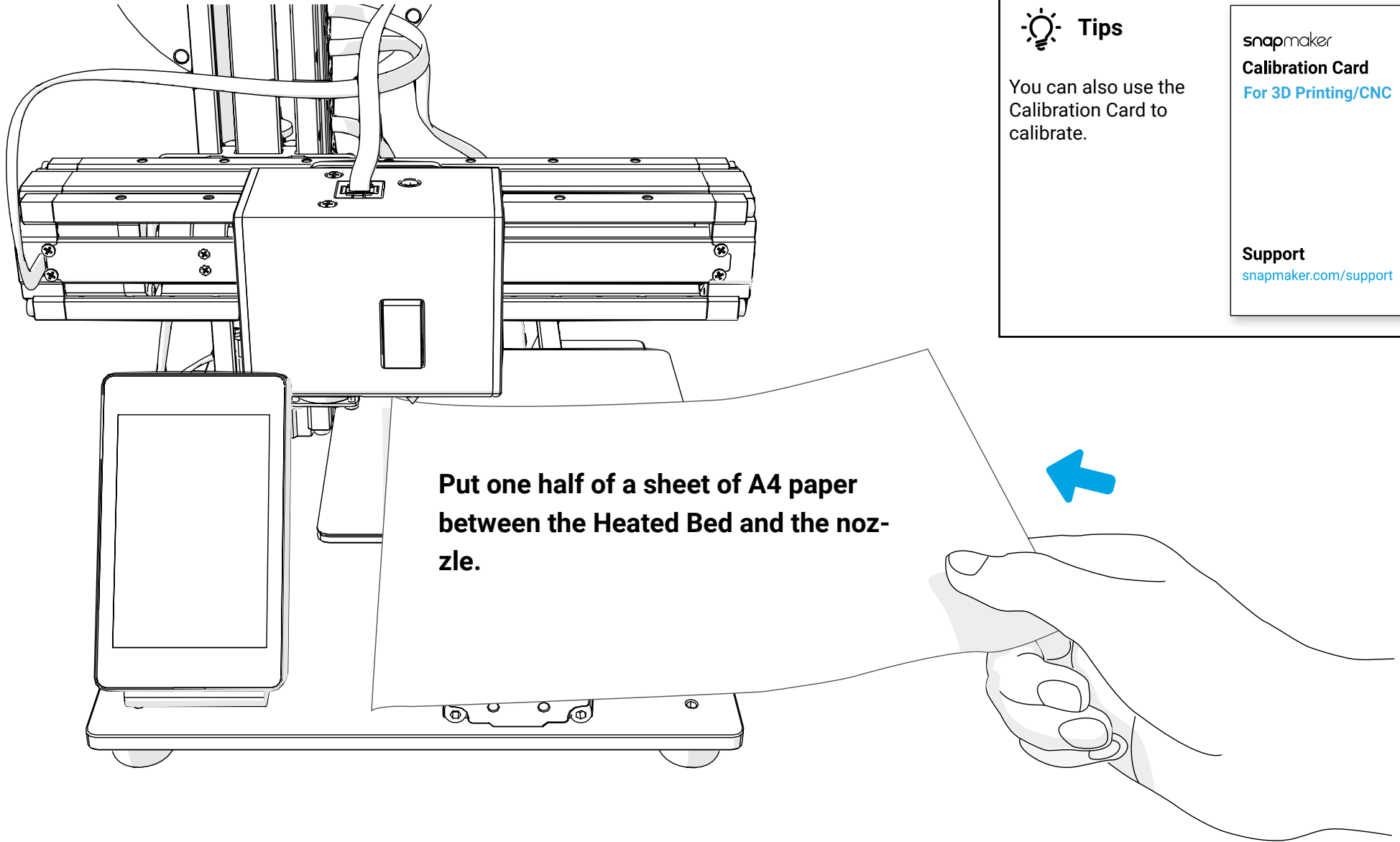
Tips

You can also use the Calibration Card to calibrate.

snapmaker
Calibration Card
For 3D Printing/CNC

Support
snapmaker.com/support

snapmaker

Level the Heated Bed

5 Adjust the Distance Between the Heated Bed and the Nozzle
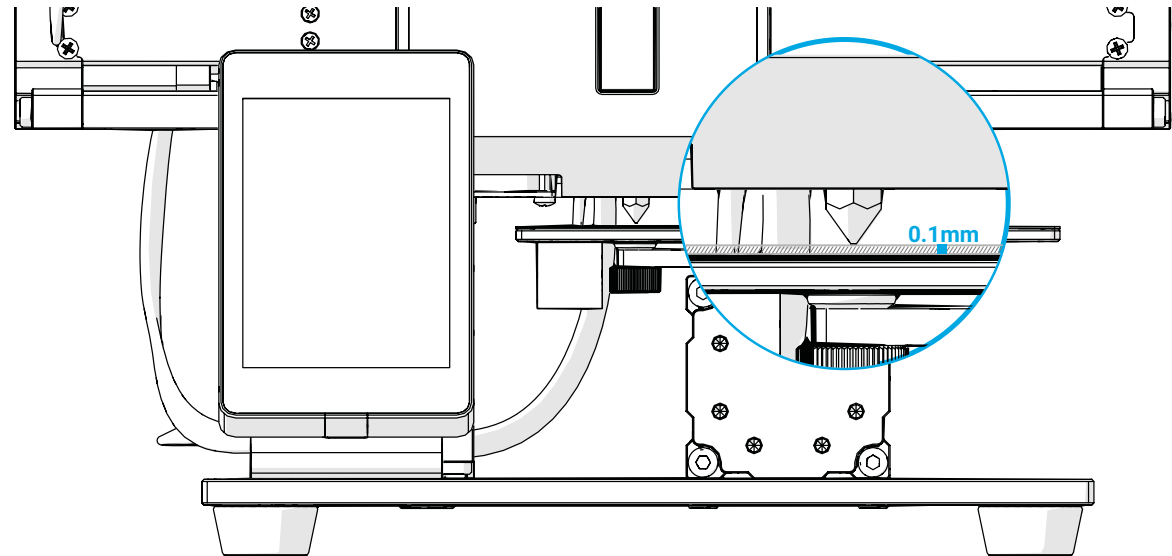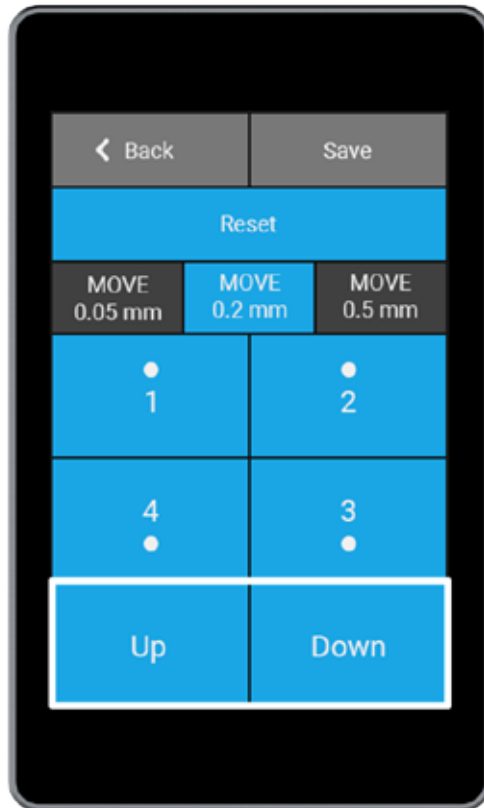
Adjust the distance between the Heated Bed and the nozzle using the Up and Down buttons. Keep adjusting until there is slight resistance on the paper from the nozzle. Use the Move 0.05 mm/0.2 mm/0.5 mm buttons to decide how far the nozzle moves every time you tap the Up or Down button.

Level the Heated Bed　**6**　Use the Paper to Adjust the Distance
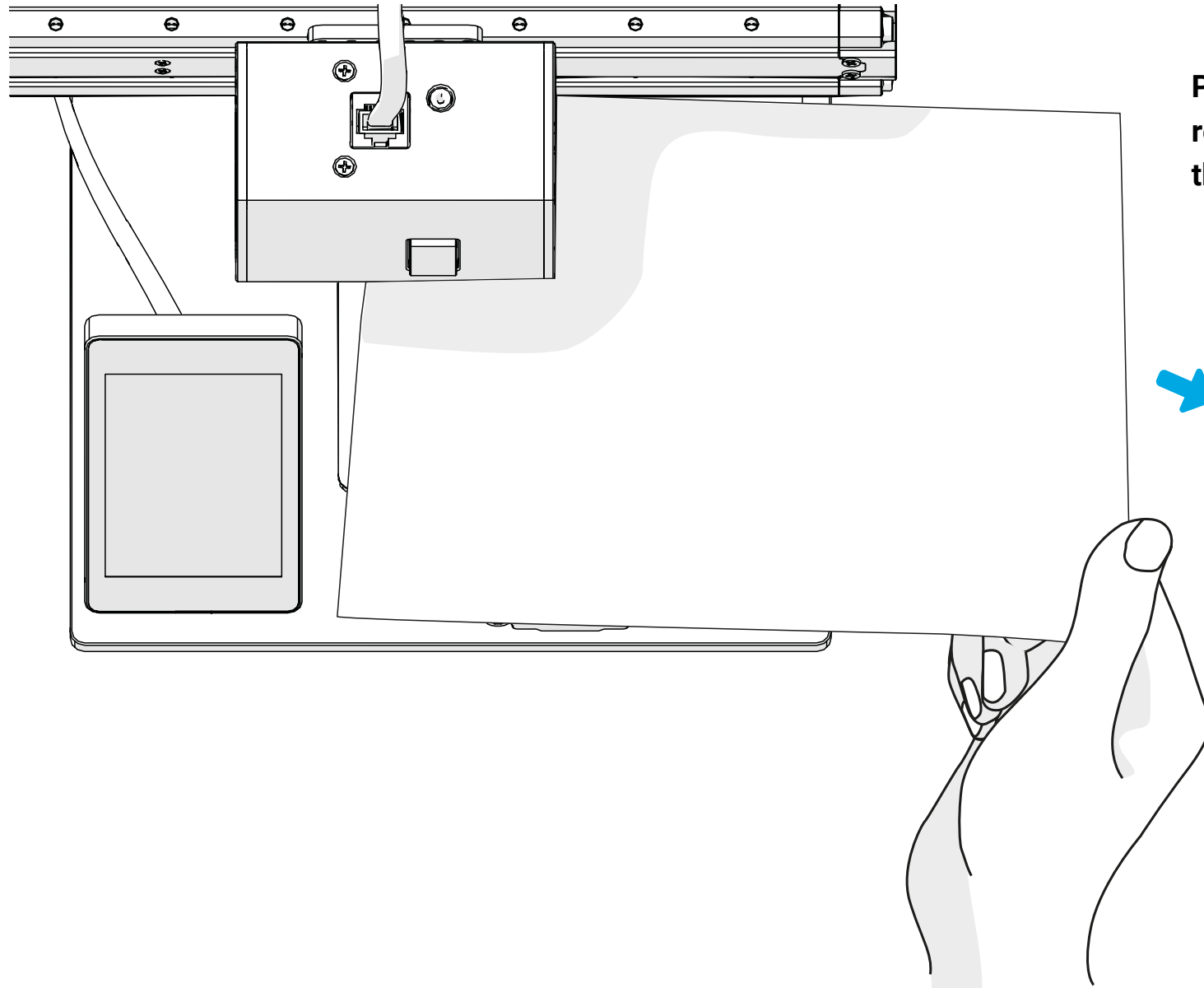
Pull the paper and feel the resistance while you adjust the distance.

Level the Heated Bed **7** Level the Second to Fourth Corner

Tap 2 and follow steps 5-6 to level the second corner.
Use the same method to level the third and fourth corners.

Level the Heated Bed   **8**   Save the Settings

Back   **Save**

Reset

| MOVE 0.05 mm | MOVE 0.2 mm | MOVE 0.5 mm |

1   2

4   3

Up   Down

>

Homing...
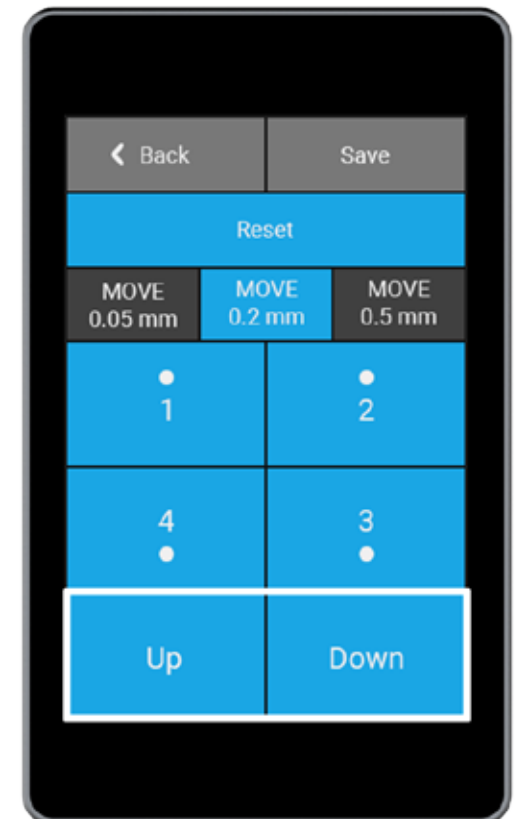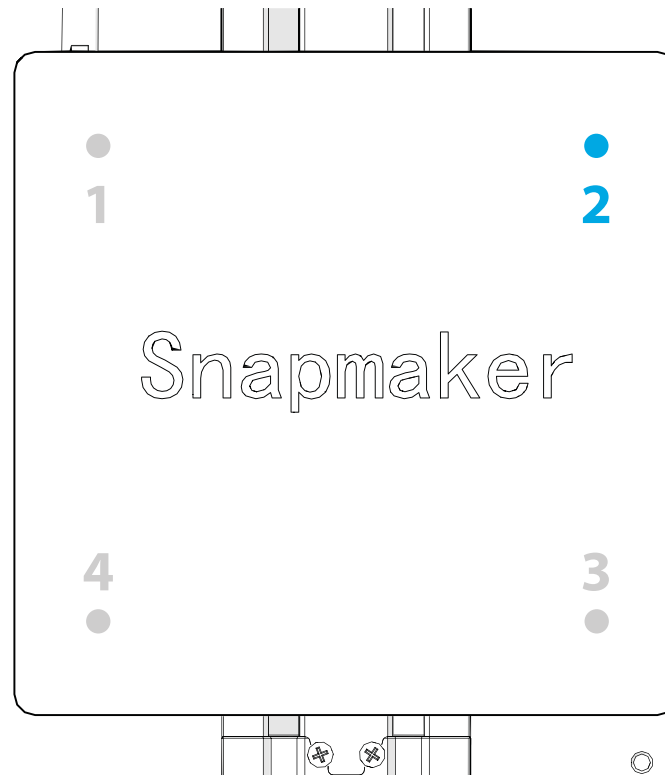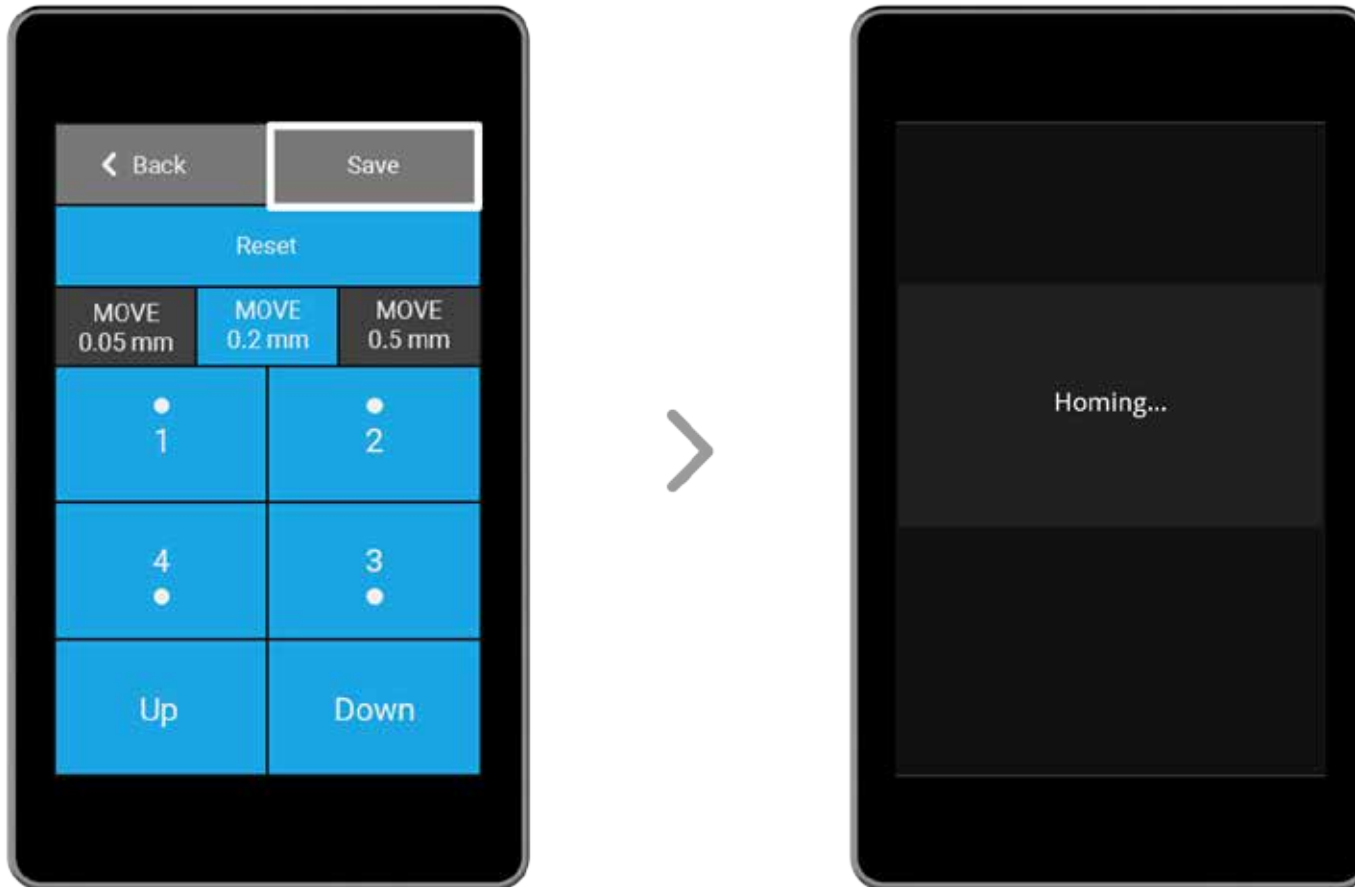
💡 Tips

?

If you have any question, find your answers at
manual.snapmaker.com/3d_printing

When all the corners are leveled, tap Save.
Remember to pull out the paper when you finish leveling.

Reset the Calibration to Factory Settings
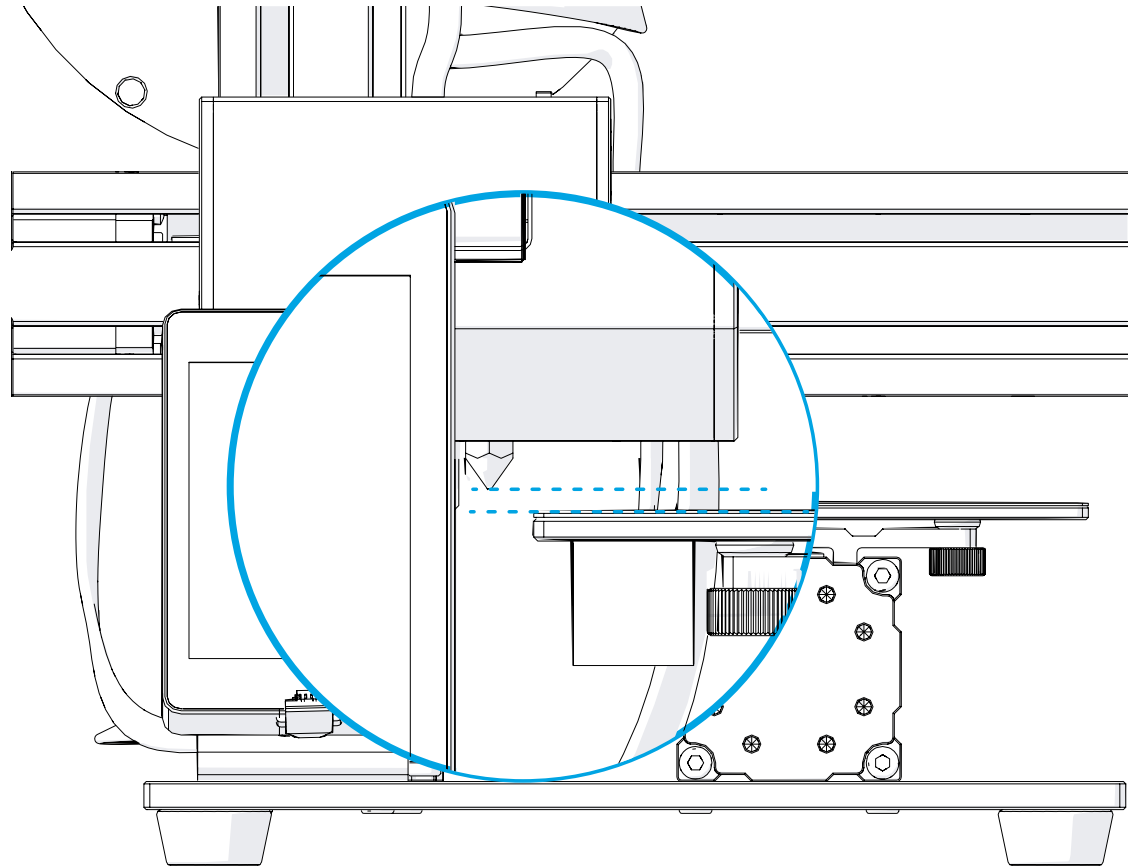
After you detach and reattach the heated bed to the Y axis, use the **Reset** button to reset the calibration to factory default settings. It avoids the nozzle from digging into the heated bed during calibration by moving the nozzle about 3 mm above the heated bed.

Load Filament

1 Reposition the 3D Printing Module

On the Touch Screen, go to Controls > Jog Mode > X+/Z+. Keep tapping X+/Z+ until the 3D Printing Module is moved to the illustrated position.

snapmaker

Load Filament

2 Get the Nozzle Ready
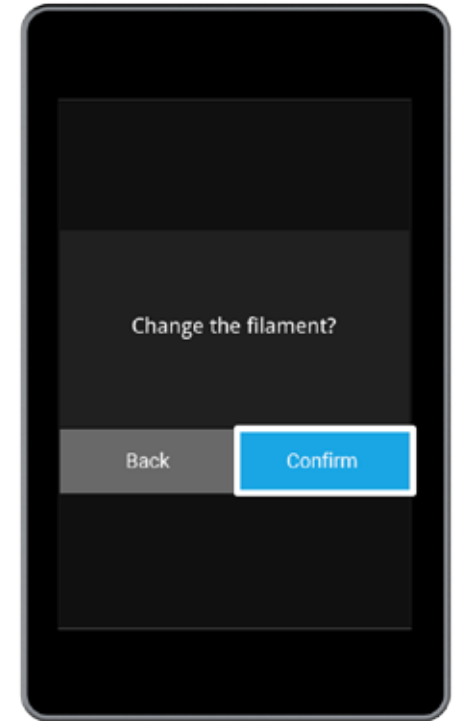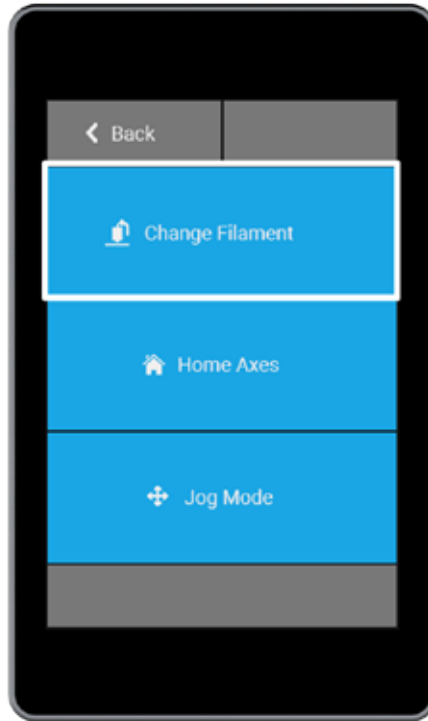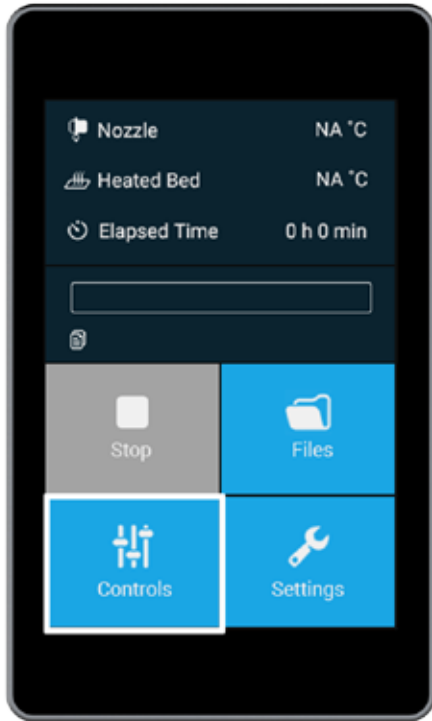
On the Touch Screen, go to Controls > Change Filament > Confirm.

Load Filament

3 Change the Target Temperature Based on the Filament You Use
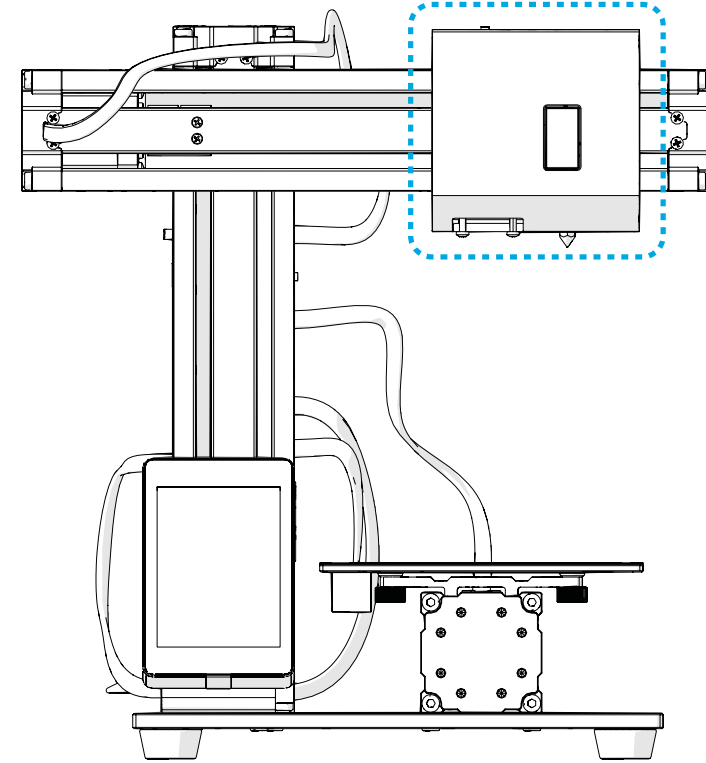
Back

Target Temp   200℃

Current Temp   60℃
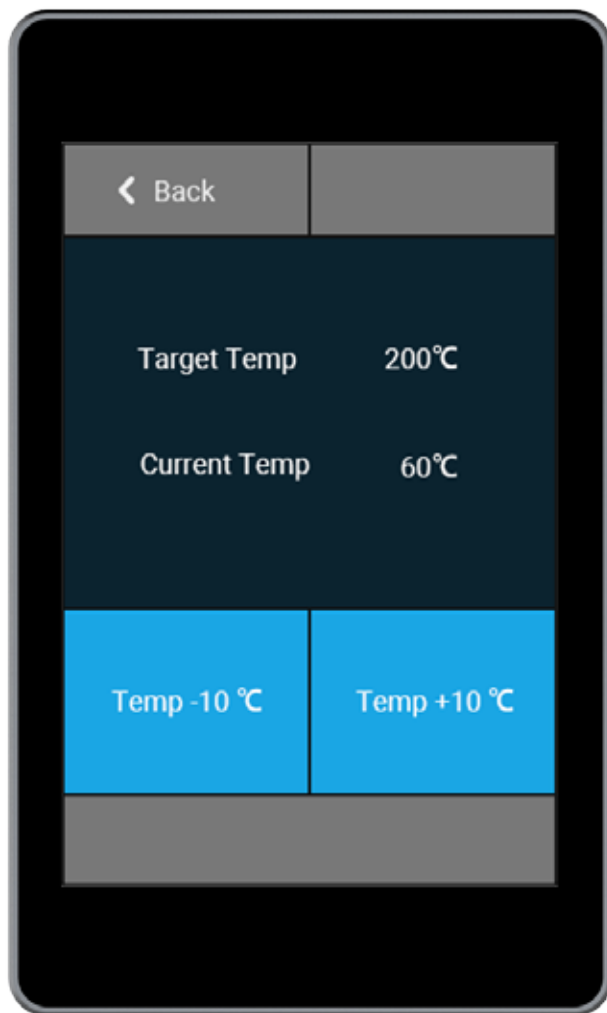
Temp -10 ℃   Temp +10 ℃

Tap **Temp -10°C/Temp +10°C** to change the target temperature to the value you need. For example, if you want to print ABS, you need to change Target Temp to 240°C.

Then wait for the current temperature to gradually increase to the target temperature.

snapmaker

Load Filament

4 Hang the Filament over the Filament Holder
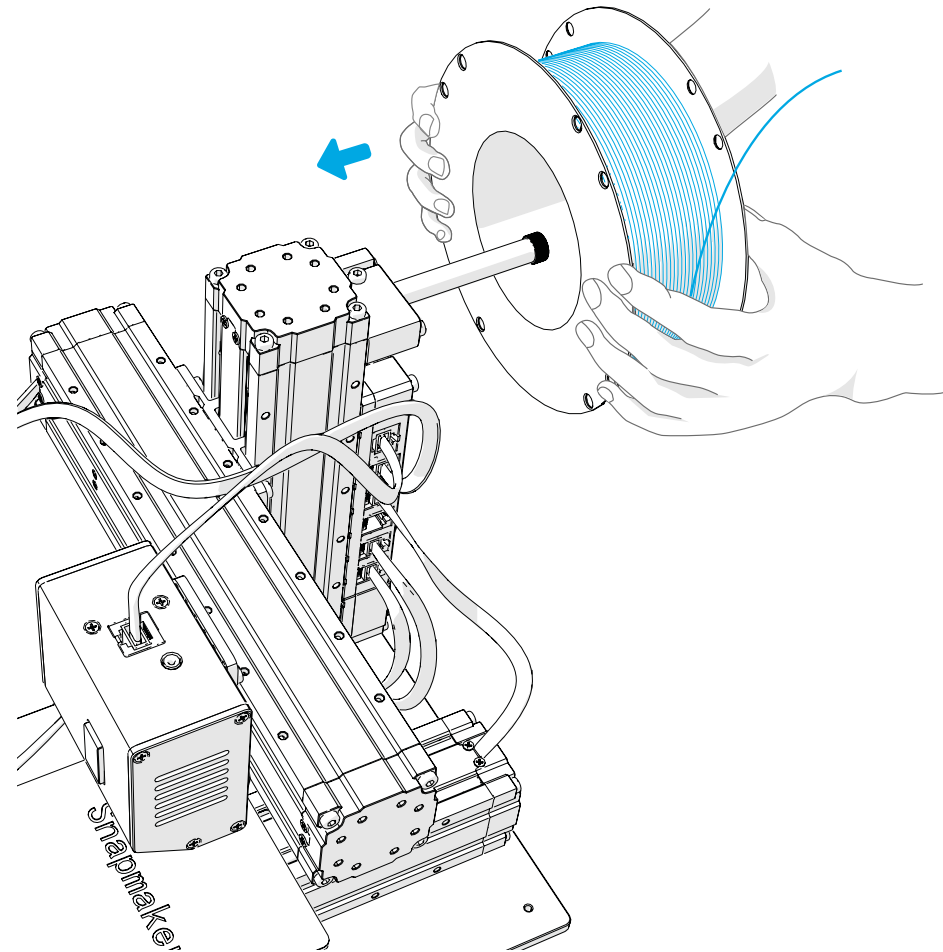
When you are waiting, hang the filament over the Filament Holder. For smoother printing, the end of the filament should be placed as shown above.

Load Filament

5 Insert the Filament

2

1
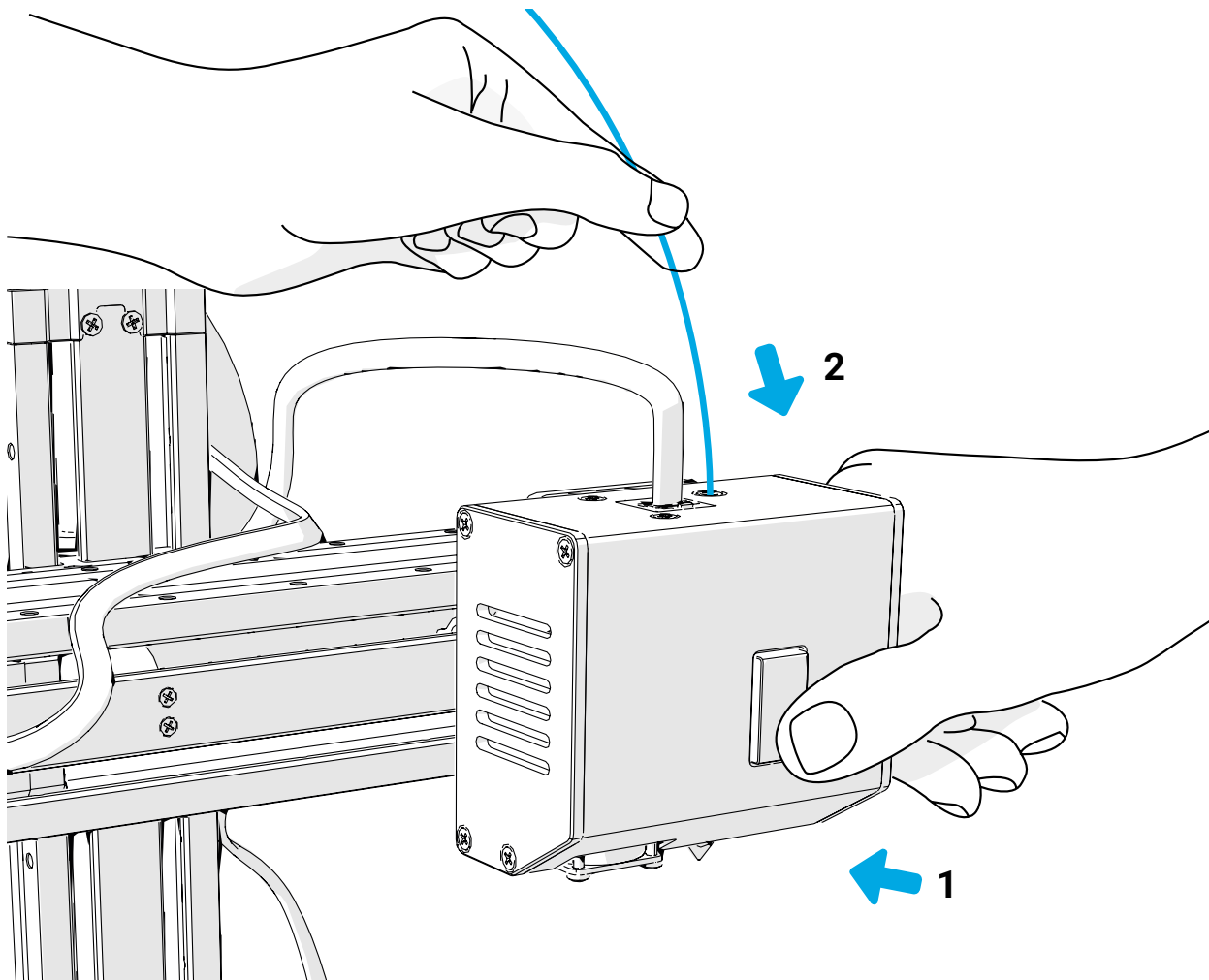
When the Current Temp reaches the Target Temp, press the button on the front of the 3D Printing Module and at the same time insert the filament into the hole on the top.

Tips
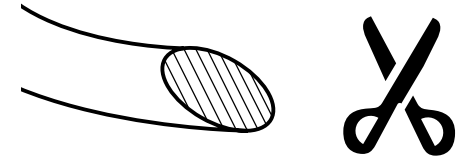
Use a pair of scissors or diagonal cutter to cut the end of the filament at a 45° angle.
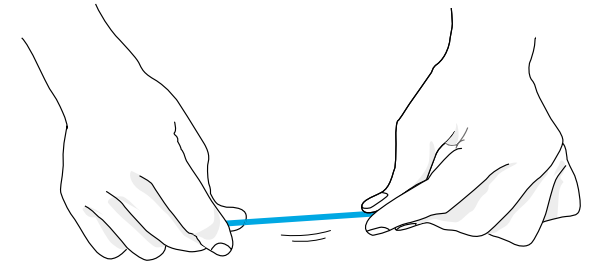
Try to straighten the filament as much as you can.
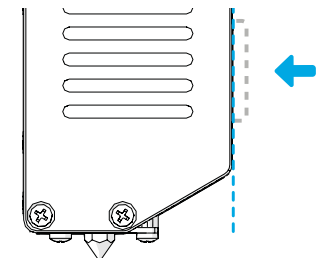
Press down the button to the illustrated level.

Load Filament

6 Keep Inserting the Filament
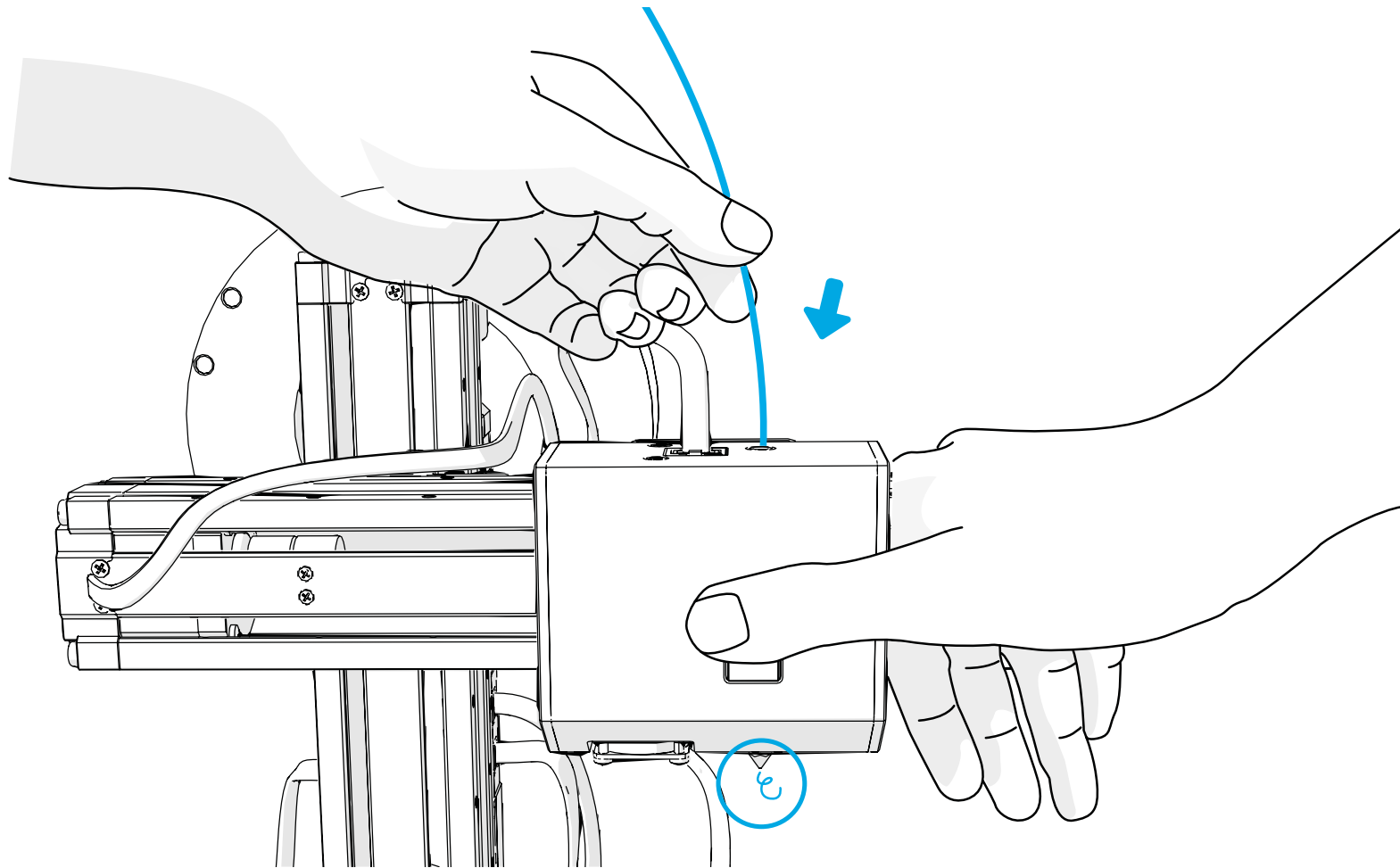
Keep inserting the filament until you see some filament coming out of the nozzle.

Load Filament

7 Clean the Filament

Target Temp 200℃

Current Temp 200℃

Temp -10 ℃

Temp +10 ℃
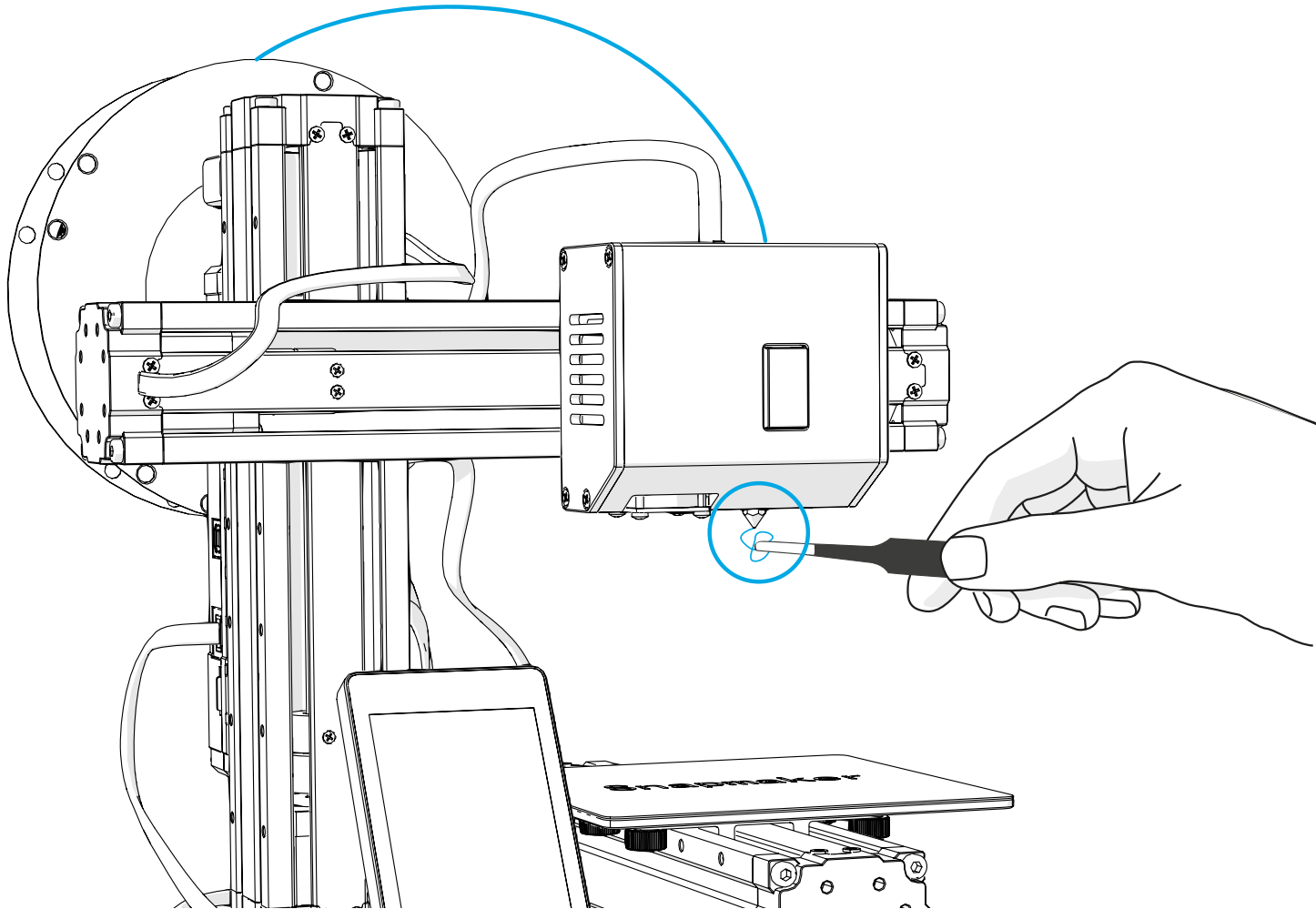
< Back

Use the provided Tweezer to clean the filament on the nozzle and tap Back.

Start Printing

We only provide a general description of the setup procedure in this guide. Please refer to the online manual for details: manual.snapmaker.com/3d_printing/

Download Snapmaker3D

Generate G-code

Choose a Way to Print

snapmaker

Start Printing

1 Download the Software
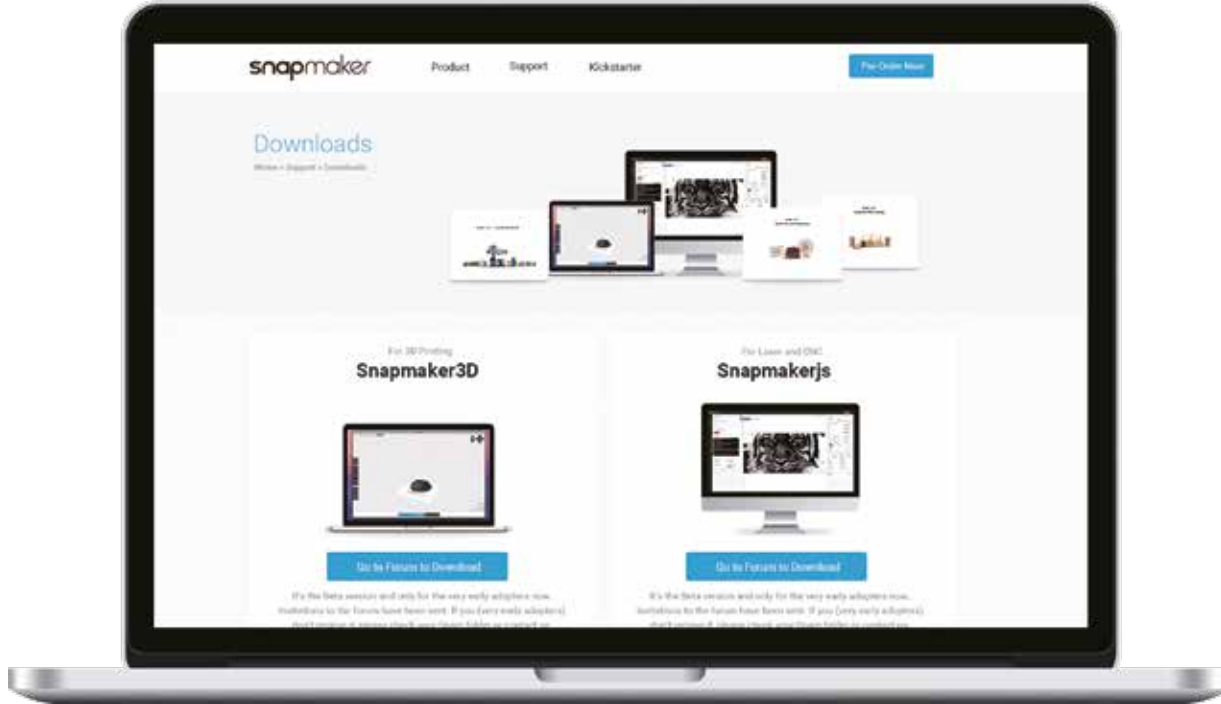
Tips

Other compatible software includes: Cura, Simplify 3D, Slic3r.

Download Snapmaker3D from our official website: snapmaker.com/download
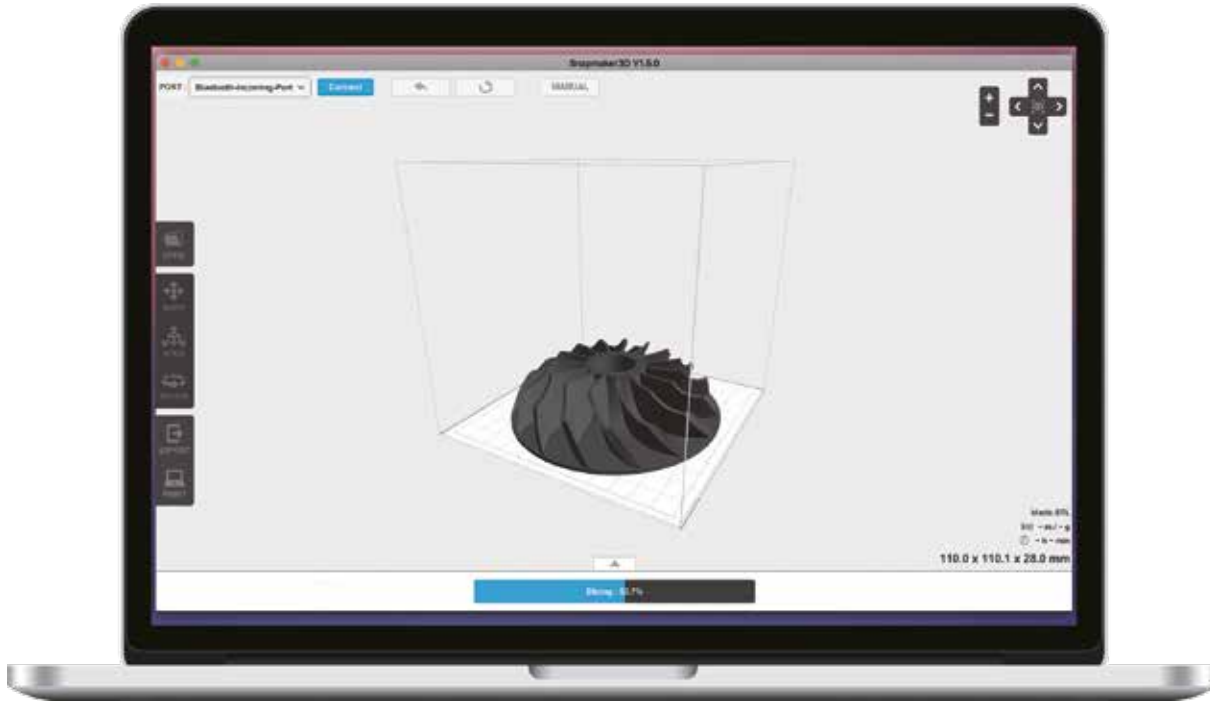
Start Printing

2 Generate G-code

Generate G-code of the file you want to print.

💡 **Tips**
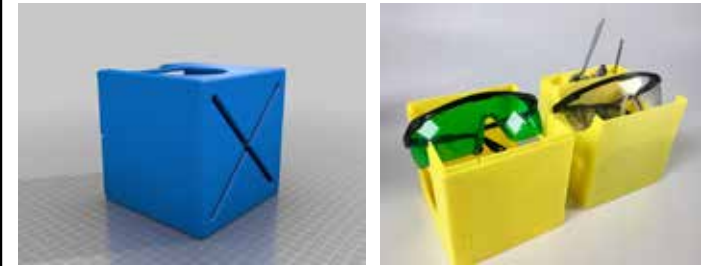
Follow our Thingiverse official account to find some useful models to print:

www.thingiverse.com/SnapmakerInc/designs

Start Printing

3 Choose a Way to Print

Option 1

Using the Computer

(The computer must be connected to the machine throughout the process.)

Option 2

Using the USB Disk

(No need to connect your computer to the machine.)

Support

Besides this guide, there is also a User Manual available on our website: snapmaker.com/document
Find the answers in our FAQ page if you run into any problem during assembly: faq.snapmaker.com
Share anything you want with other Snapmaker users at our forum: forum.snapmaker.com

Any news from you is good news for us. If you have any questions, don't hesitate to contact us. We are here for you whenever you need general information, technical support or have any sales inquiries.

General   Info@snapmaker.com
Support   support@snapmaker.com
Marketing   sales@snapmaker.com

See more fun stuff at:

Thomas Edison once said, "A minor invention every ten days, and a big one every six months or so." What is your first invention with the Snapmaker?