# Snapmaker 2.0 Modular 3D Printer

**shop.snapmaker.com**/products/snapmaker-2-0-modular-3d-printer

F350/F250 is a modular 3D printer that offers a large work area and decent features. The product includes everything you need to start your maker journey:

- Newly designed Linear Modules
- Newly designed 3D Printing Module
- Newly designed Power Module
- Controller powered by Cortex-M4 Processor
- 5" Smart Touchscreen (Android OS, Quad Core A7 CPU @ 1.1GHz)
- Magnetic heated bed with a removable print sheet
- Custom software: Snapmaker Luban
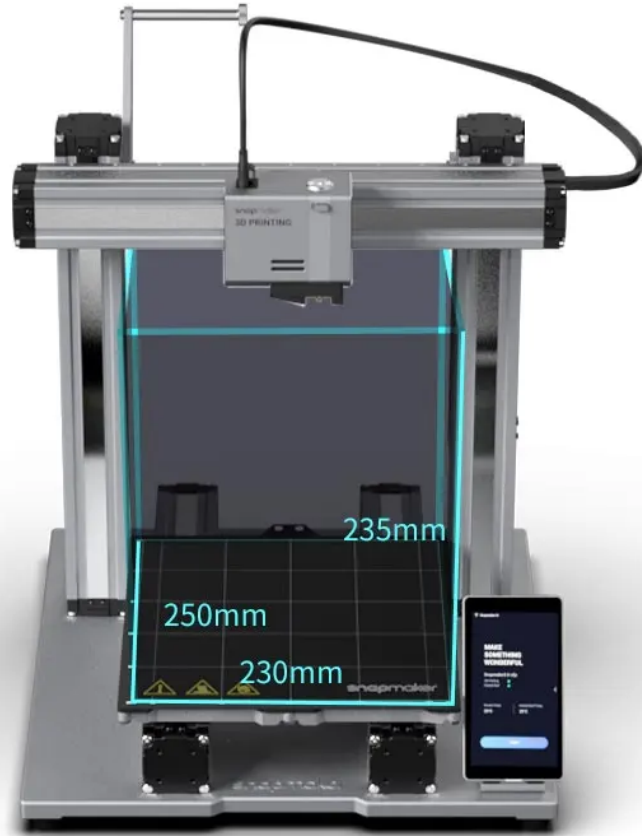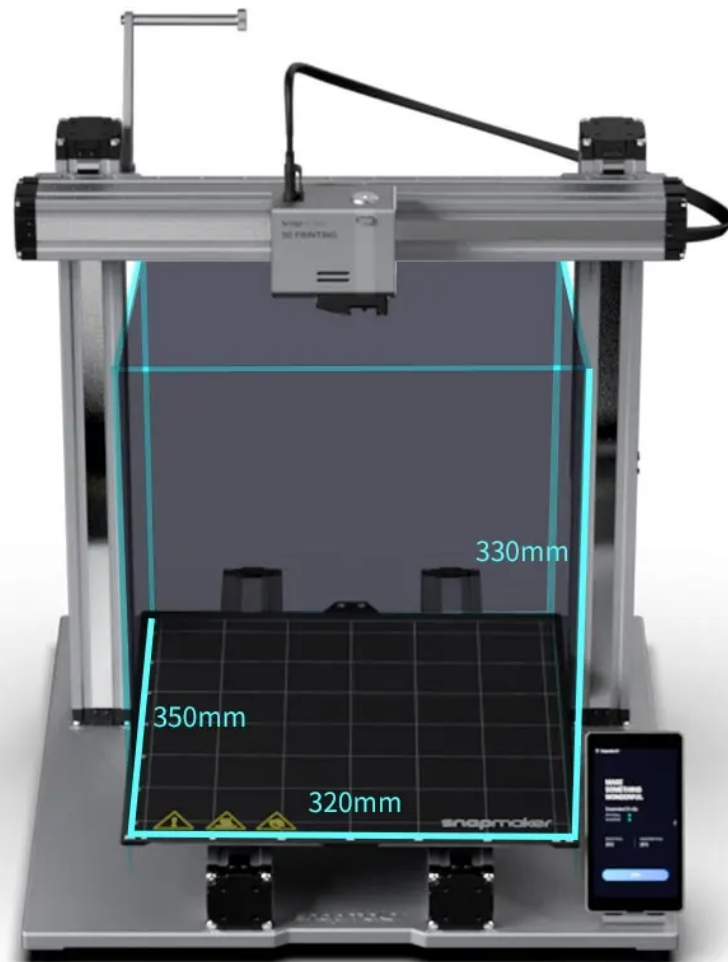- 1kg spool of PLA filament

## Snapmaker Care

Snapmaker Care covers two incidents of repair or replacement from the purchase of the machine to one year after the end of the standard warranty. Learn more



## A Larger Print Factory On Desk

When we say "large", we mean it. As a desktop 3D printer, F250 offers a 230 × 250 × 235 mm work area and decent features at less than 1,000 USD. For an extra 200 USD, you can upgrade to an almost 2 times larger F350, capable of printing one-piece large-scale prototypes.

235mm

250mm
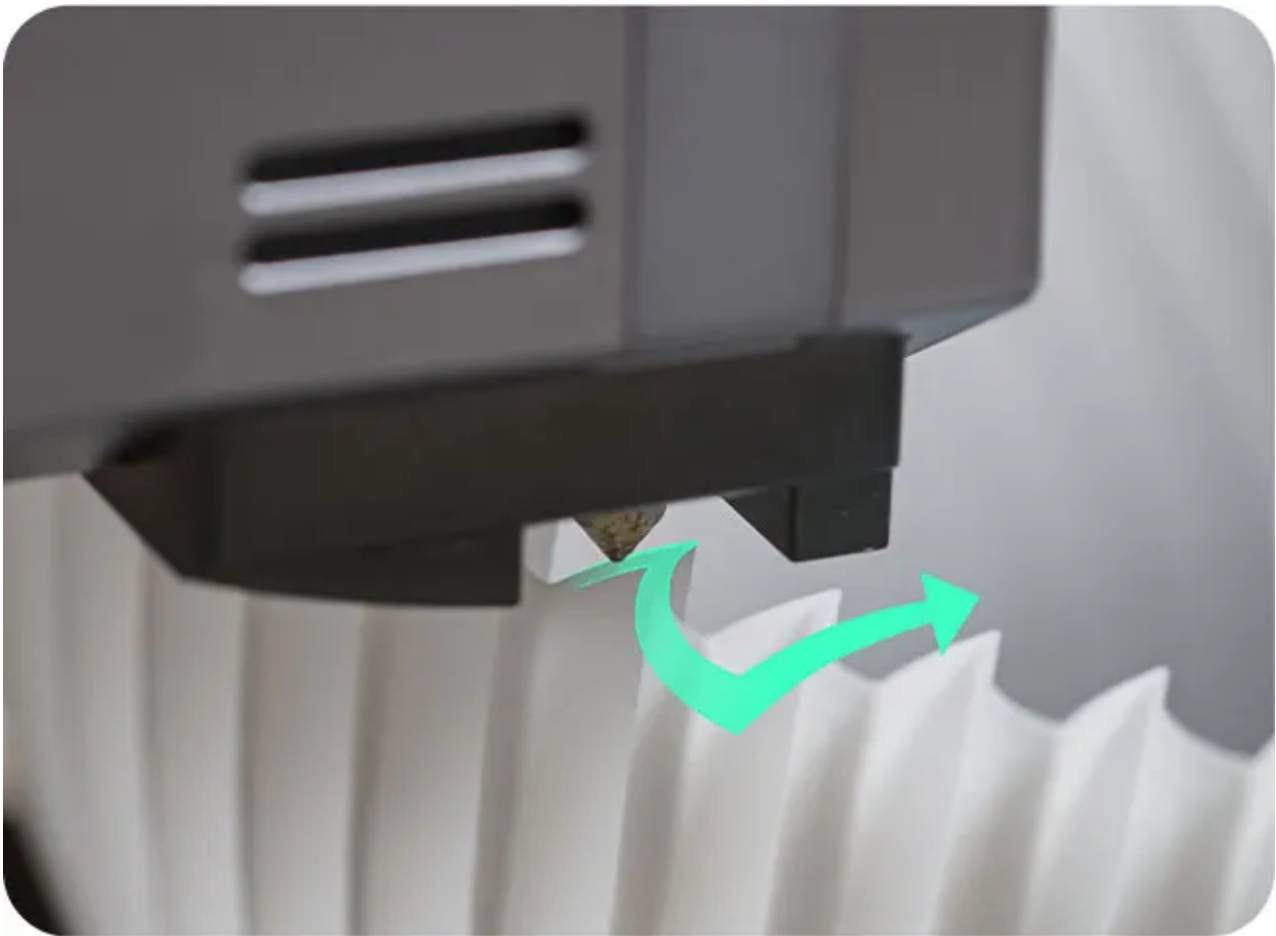
230mm

F250

Work Area (W × D × H):

230 × 250 × 235 mm

F350

Work Area (W × D × H):

320 × 350 × 330 mm

"Faster Printing" means that you can set higher speeds without compromising print quality. And along with that, in the subsequent update to Snapmaker Luban, the default work speed will be preset higher.

**Upgraded Cooling System**

## Improved
## Motion Controlling Algorithm

F350/F250's cooling system is upgraded to combine fast speed and brilliant accuracy at the same time. You can now 3D print larger projects even faster.

The optimization of F350/F250's motion control algorithm improves the coordination between the Extruder and the Linear Modules. Thus, problems including gaps, cracks and overflow are considerably alleviated, ensuring quality during moderate to high speed printing.
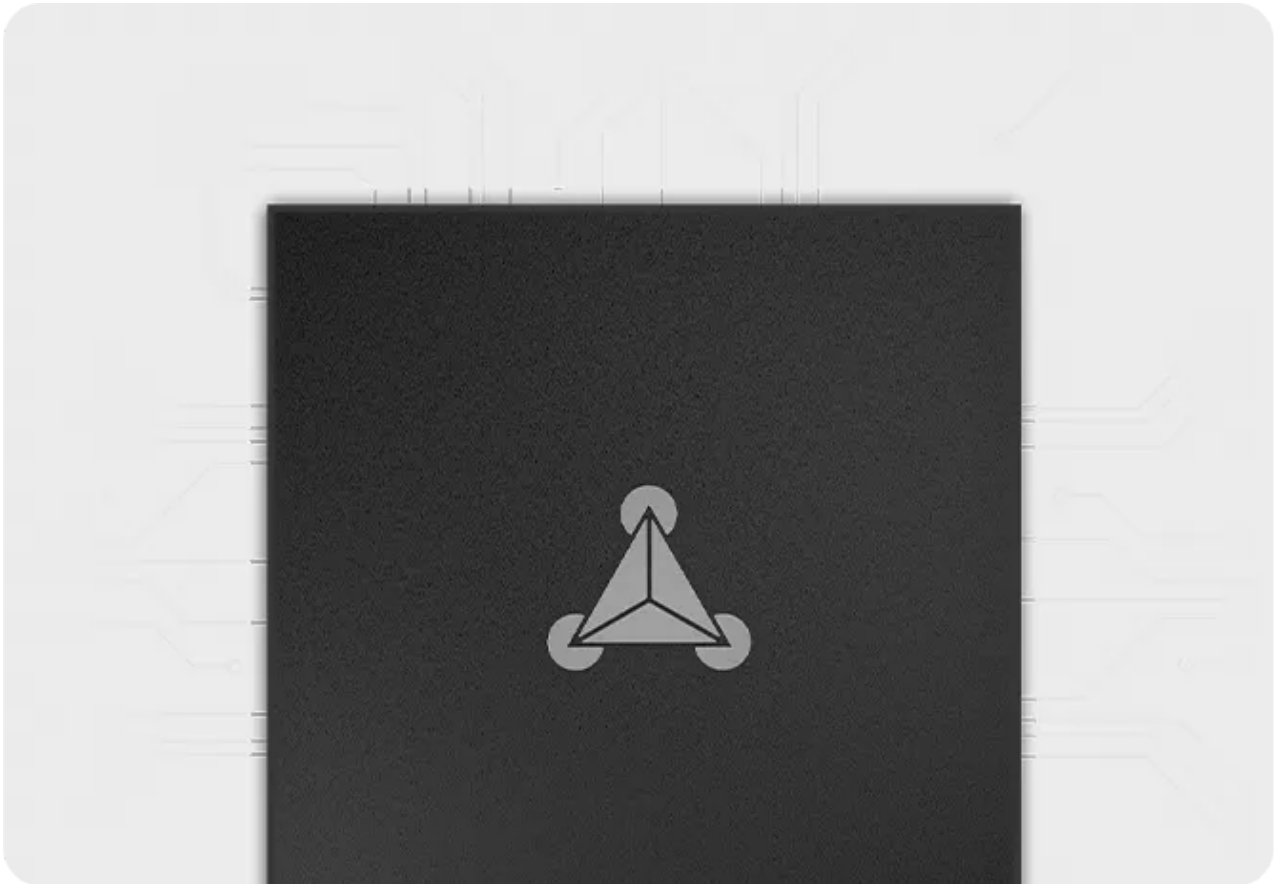
[1] The test result of A350 is from the previous version that has not been firmware upgraded for motion control algorithm improvement.
[2] The test result was obtained in Snapmaker laboratory, which may vary according to the testing conditions and product iteration, and is for reference only.

## The Quieter the Better



During normal printing, the F350/F250 has an average noise level of about 50 dB(A)—a typical home or office noise. Feel free to set the F350/F250 in your living room or study and really spend time with it to check the print in real time.

**Noise Reduction Chip**

**Lead Optimization on Linear Module**

Although the levels might vary, certain parts of the machine can produce noise while operating. With the new F350/F250 Linear Modules, the noise gets reduced substantially, thanks to the TMC2209 stepper motor driver chips embedded.

Quieter printing doesn't necessarily mean slower speed. Snapmaker accordingly increases the leads of the X and Y axes' screw rods, from 8 mm to 20 mm, ensuring a stable and fast working speed.



### Power Module Improvement

The new Power Module uses a much quieter fan whose speed can be adjusted automatically according to the real-time temperature, realizing a noise level decrease of about 16 dB(A), so that you can truly focus on your making.

[3] The test result was obtained in Snapmaker laboratory, which may vary according to the testing conditions and product iteration, and is for reference only.

### Modular And Expandable

### Powerful Controller

The innovational application of the CAN (Controller Area Network) Bus technology on the Controller realizes modularity and guarantees efficient and stable data transmission.



### Modules & Addons

Just as other members of the Snapmaker 2.0 series, F350/F250 is modular as well. You can always expand it with dedicated modules or addons to give it a personal touch.



**Newly Launched**
10W Laser Module


**Upcoming**
Dual Extrusion Module



**High Quality as Always**
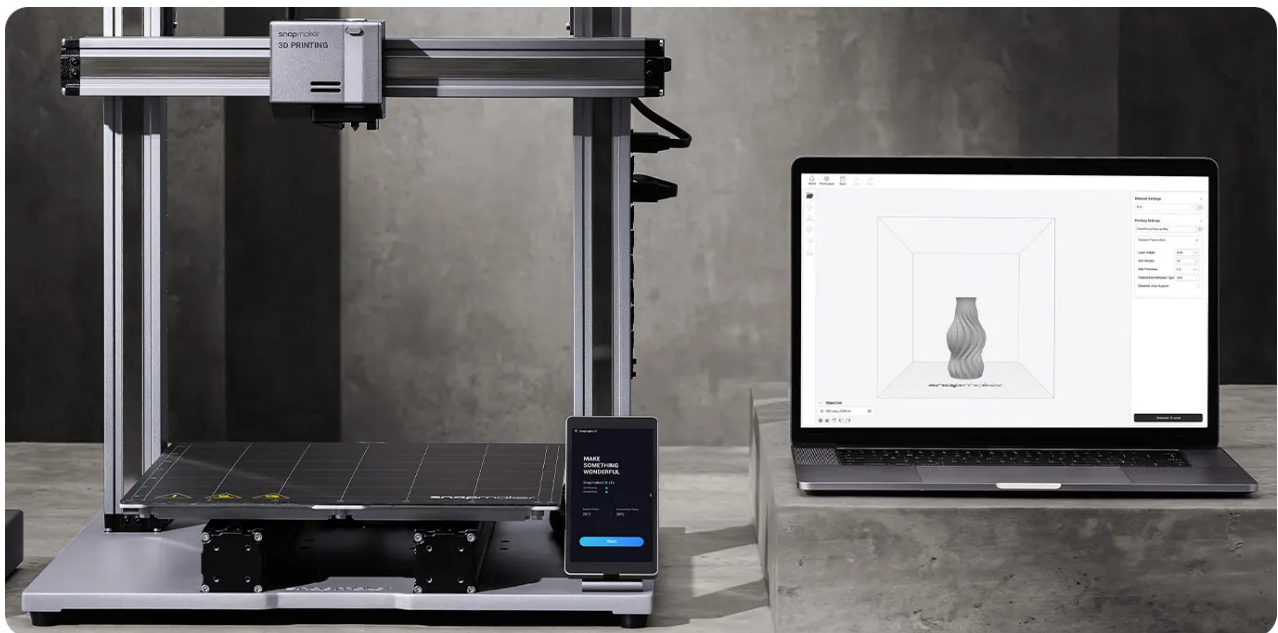
**All-metal**

**Well-made**

The all-metal design of the 3D printers has been Snapmaker's signature. F350/F250 is no exception only sturdier for printing large objects.

Made of high-performance aluminum alloy and processed with anodic oxidation, F350/F250 features supreme durability and reliability.

**High Precision**

We pursue quality to offer high precision and accuracy. With F350/F250, we've managed to step it up a notch—producing detailed prints is the least F350/F250 can do.
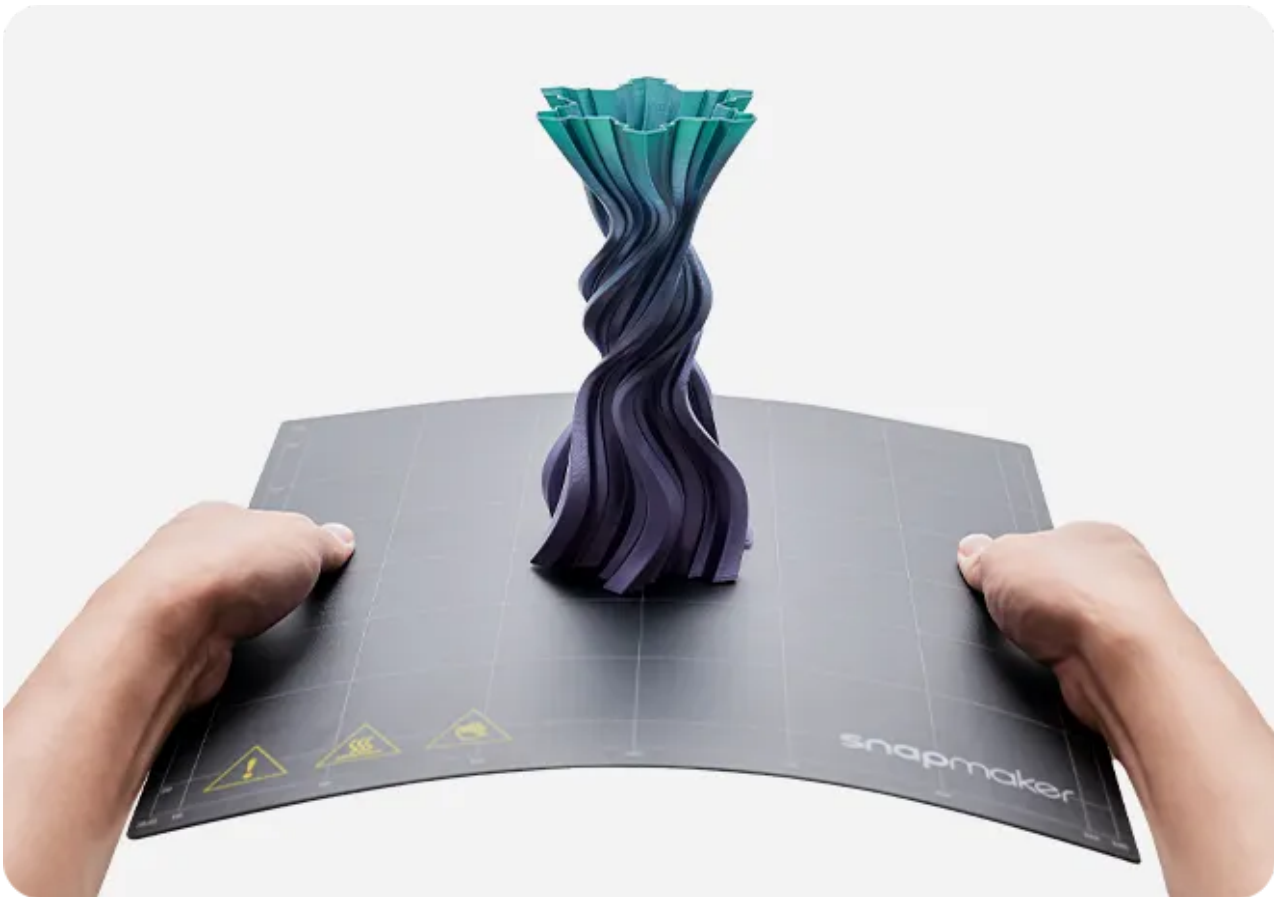
**Everything You Need**



**Custom Software: Snapmaker Luban**

Snapmaker Luban is the software tailor-made for both experienced and inexperienced users of Snapmaker machines, complementing your maker journey. And yes, it's for free.

**5-inch Touchscreen**

The 5-inch Touchscreen is big enough for comfortable operation. Better yet, its intuitive navigation makes for flowing and effective user experience.
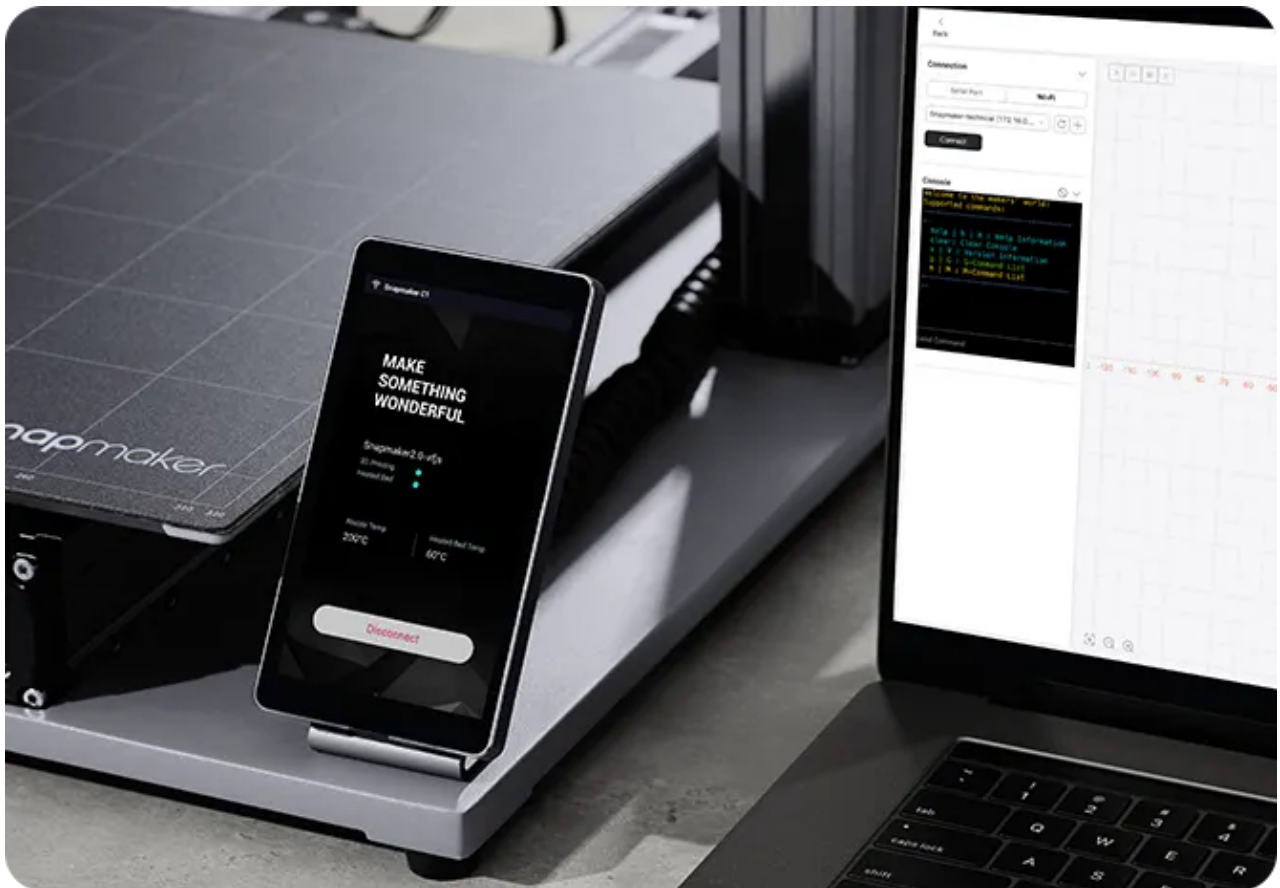
**Ease of Use**

**Auto Leveling**
Effortless auto leveling. Just a few taps, and witness all the intelligent work done.

## Flexible Print Sheet

Release your print with one single flex.

### Wi-Fi Connectivity

Unbounding you from USB devices and cables, Wi-Fi connectivity eases your file transfer.

### Easy To Assemble

A toy-like assembly procedure: smooth and pleasant.

### Smart Recovery

### Filament Runout Recovery

Reports the runout and recovers the previous job after you replace the filament.

### Power Loss Recovery

You can resume the interrupted printing job after a power loss.

### Specifications

### Size Comparison

### F350

Dimensions (W × D × H):
495 × 506 × 580 mm

Work Area (W × D × H):
320 × 350 × 330 mm

Max Heated Bed Temperature:
80°C

### F250

Dimensions (W × D × H):
405 × 424 × 490 mm

Work Area (W × D × H):
230 × 250 × 235 mm

Max Heated Bed Temperature:
100°C

### Tech Specs

Layer Resolution:

Nozzle Diameter:

Max Nozzle Temperature:

Supported Materials:

Frame Material:

Data Transmission Methods:

Touchscreen Specs:

Supported Software:

Supported File Types:

Supported OS:

Rated Power:

50–300 microns

0.4 mm

275ºC

PLA, ABS, PETG, TPU, wood filled PLA, more being tested

Aluminum alloy

Wi-Fi, USB cable, USB flash drive

5 in., Android OS, Quad-core 1.1 GHz ARM Cortex-A7

Snapmaker Luban or third-party software

.stl, .obj, more formats to be added

Windows, macOS, Linux

320 W

**Package Specs**

Package Dimensions：
(W × D × H)

Package Weight:

628 × 550× 323mm (F350)

24.2kg (F350)

553× 535 × 320 mm (F250)

20.6kg (F250)

## In the Box

3D Printing Module ×**1**

Linear Module ×**5**

Touchscreen ×**1**

Touchscreen Holder ×**1**

Z-axis Holder ×**2**

Controller ×**1**

Power Module ×**1**

Converter ×**2**

Base Plate ×**1**

Support Platform ×**1**

Heated Bed ×**1**

Print Sheet ×**1**

Calibration Card ×**2**

Quick Start Guide ×**1**

Filament ×**1**

USB Cable ×**1**

Toolhead Cable ×**1**

Y-axis Conversion Cable ×**1**

Z-axis Conversion Cable ×**1**

DC Power Cable ×**1**

AC Power Cable ×**2**

Filament Holder Sheet ×**1**

Filament Holder Tube ×**1**

Tool Box ×**1**