

snapmaker 2.0

MODULAR 3-in-1 3D PRINTERS



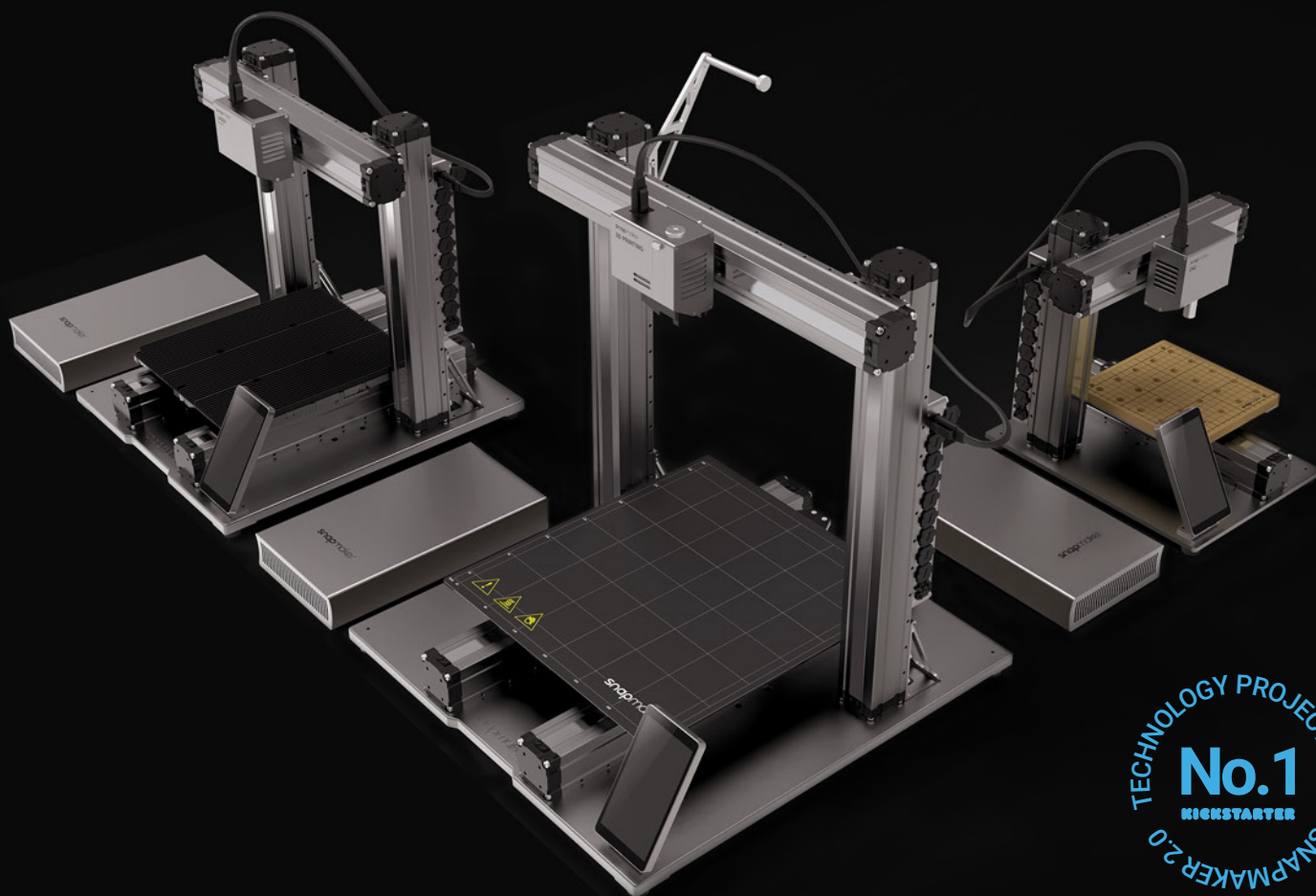
3D Printing



Laser Engraving

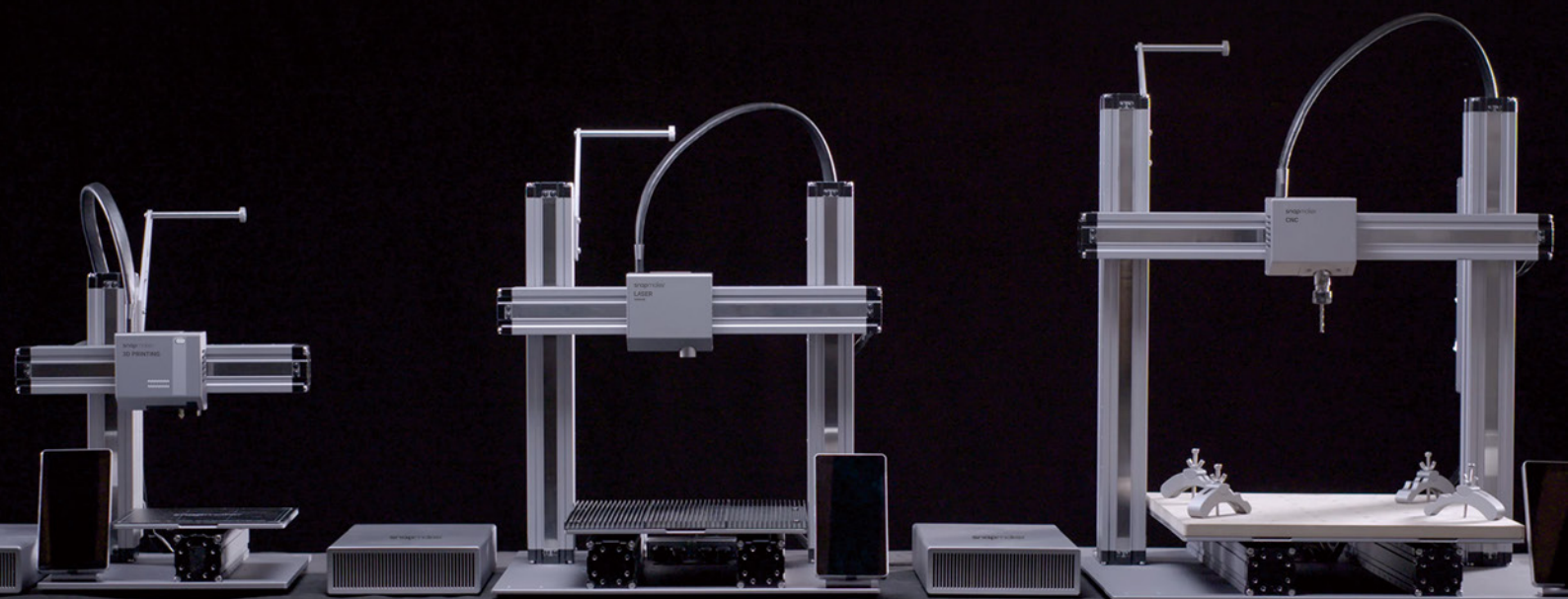
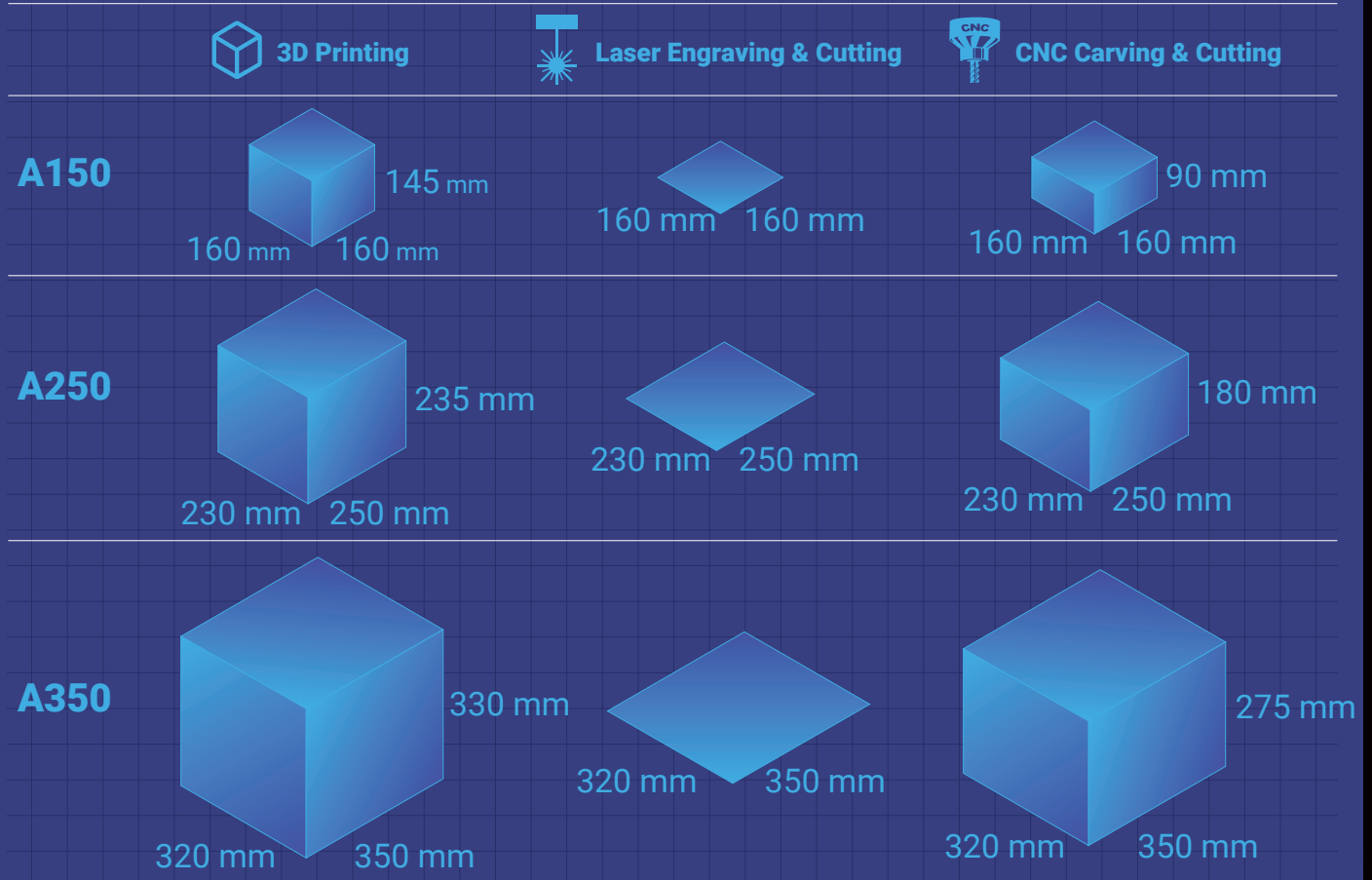


CNC Carving



LARGER BUILD VOLUMES

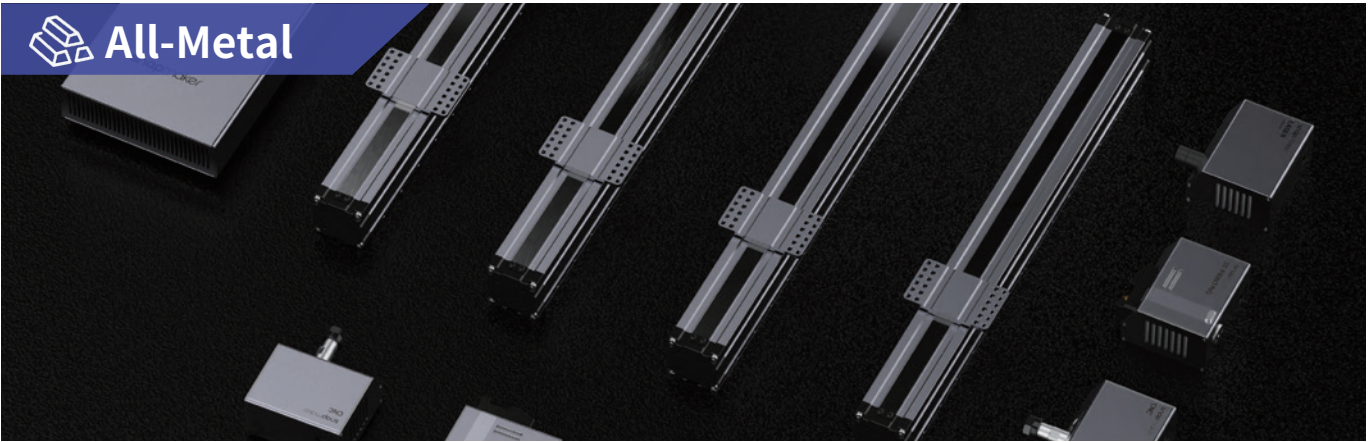
Snapmaker 2.0 have three models: A150, A250 and A350, which have larger build volumes for more printing needs. A350 provides the largest build volume, measuring 320 × 350 × 330 mm.



HIGH QUALITY WITH TECHNOLOGY UPGRADES



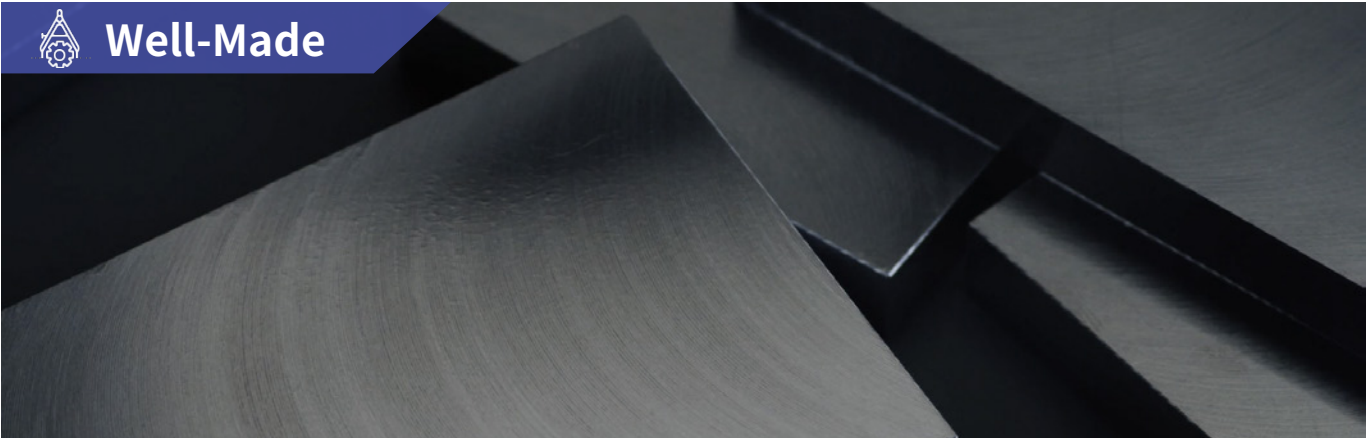
All-Metal



For Snapmaker 2.0, we pushed the boundaries of all-metal design even further. Both the controller board and power adapter now use aluminum alloy housings for better heat dissipation; the original POM rollers are upgraded to steel rollers to deliver greater load-bearing capacity and rigidity.



Well-Made



The aerospace-grade aluminum alloys are made into precision, reliable parts of Snapmaker modules after a series of processing steps. Each manufacturing process is strictly controlled, and every part is meticulously made. Snapmaker 2.0 not only look premium, but also consistently deliver high performance.



High-Precision



Snapmaker 2.0 allow the high-precision computer-controlled tools to be readily accessible to every desk. Integrating only the finest quality components, they have high accuracy and repeatability, which allow them to 3D Print, laser engrave & cut, and CNC carve objects in high resolution.

3-IN-1

Snapmaker 2.0, the latest generation modular 3-in-1 3D printers that unlock your full creative potential, from 3D printing to laser engraving & cutting, and CNC carving & cutting.

Snapmaker 2.0 are smarter, faster, larger, and more powerful than ever before. They are new generations of 3-in-1 3D printers that come with everything you need!

3D Printing

Snapmaker 2.0 modular 3-in-1 3D printers are ideal for beginners who are just getting started, hobbyists who prefer more customized options, as well as engineers and designers who want to print large objects or accurate parts with outstanding print quality.

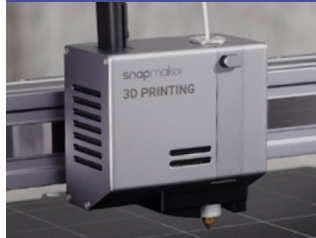


Auto-leveling



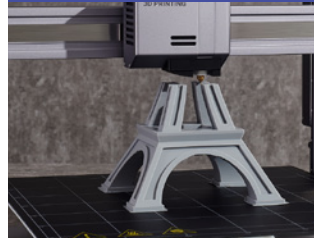
To simplify the process of bed leveling, Snapmaker 2.0 have been added a set of auto-leveling procedures. That means you will print on a leveled heated bed with the newly added induction sensor every single time.

Filament Runout Recovery



The 3D printing module is equipped with a filament runout sensor. When the filament has run out, the printer will notify you and support to resume printing. So you can now print large objects without fear.

Upgraded Cooling System



Cooling is just as important as heating when it comes to FDM 3D printing. For Snapmaker 2.0, the cooling system is re-designed to print objects with deep overhangs and smoother surfaces.

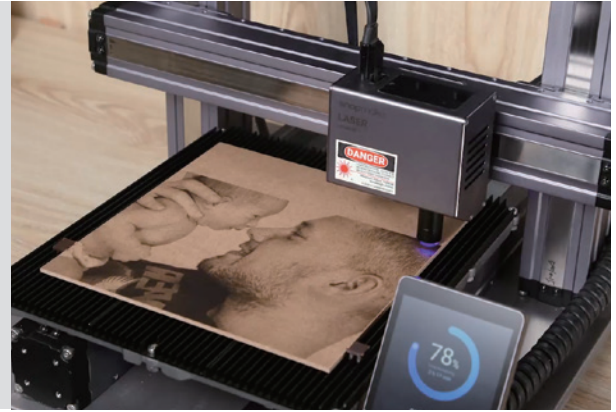
Flexible Platform



Removing a print is now easier than ever. Just lift and flex the sheet, and your print will come right off. You can snap the print sheet back onto the magnetic heated bed in an instant.

Laser Engraving & Cutting

Traditional 3D printers can only 3D print. But Snapmaker 2.0 are completely different. With interchangeable modules, Snapmaker's functionality can be changed quickly, just like changing lenses on a camera. Now you can make many kinds of beautiful and artistic creations using laser engraving and cutting.



Built-in Camera



The built-in camera allows you to preview your design with whatever material you use. You can edit your design and precisely position it exactly where you want it to be. What you see is what you get!

Hand-Draw, Shooting, Cutting



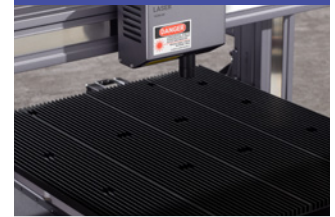
Laser cutting is as simple as drawing. Snapmaker 2.0 recognize your drawings and convert it to vector images. And you can even edit the generated vector images directly through Snapmaker software to make them more suitable for your design requirements!

Faster Engraving



Faster is better. We added the Line (Normal Quality) mode to provide you with a faster engraving option for grayscale images. This feature can save you hours when you engrave big grayscale images without sacrificing quality.

Aluminum Grid Table



The Aluminum Grid Table is specially designed to prevent damage to the bed by defocusing the laser beam during cutting. It is removable and super firm.

CNC Carving & Cutting

You can even use Snapmaker 2.0 as CNC routers to create precision 2.5D and 3D objects. They have faster working speed and much larger workspaces than the original model. They are the perfect machine to extend your interest to CNC carving.

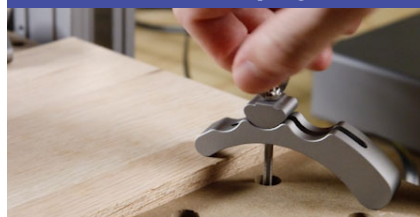


ER11 Collet



Snapmaker 2.0 feature a fully upgraded CNC module. The new standard ER11 Collets guarantee a better concentricity that allows for a faster CNC carving speed and larger step down. They also support over one hundred carving and cutting bits.

Wasteboard & Clamping Kits



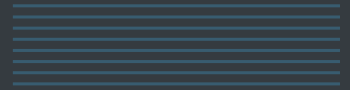
Each Snapmaker 2.0 comes with an MDF wasteboard and clamping kits. The wasteboards are removable and can protect the bed from damages as well as providing a smooth and leveled surface for precise CNC carving.

Dust Resistance



Snapmaker 2.0's linear modules have been upgraded for easy maintenance. The leadscrew, driver chip and precision parts are completely enclosed in the aluminum alloy housings, which eliminate the problem of dirt accumulation and ensure better durability.

SUPPORTED MULTIPLE MATERIALS

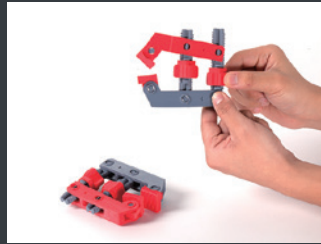


3D Printing

Snapmaker 2.0 allow you to print almost anything for your creative projects: from common applications to objects with specific mechanical properties, such as toughness, durability, and flexibility. Snapmaker 2.0 can do it all!



PLA



ABS



Wood PLA



Flexible TPU

Laser Engraving & Cutting

A wide variety of materials you find in daily life are laser engravable or cuttable, including paper, plywood, leather, acrylic, cardboard, paper, fabric, and even food like cookies and coconuts!



Fabric



Leather



Plywood



Acrylic

CNC Carving & Cutting

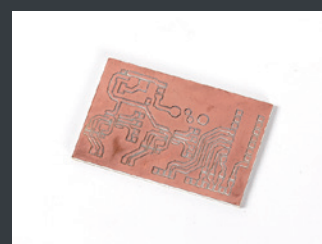
CNC carving is ideal for precisely carving or cutting hard materials. With Snapmaker 2.0, you won't be limited with the options of plastic or soft materials, and you'll be able to use the following materials for your creative projects: hardwood, PCB, acrylic, POM, carbon fiber sheet, and many more materials.



Walnut



Carbon Fiber Sheet



PCB

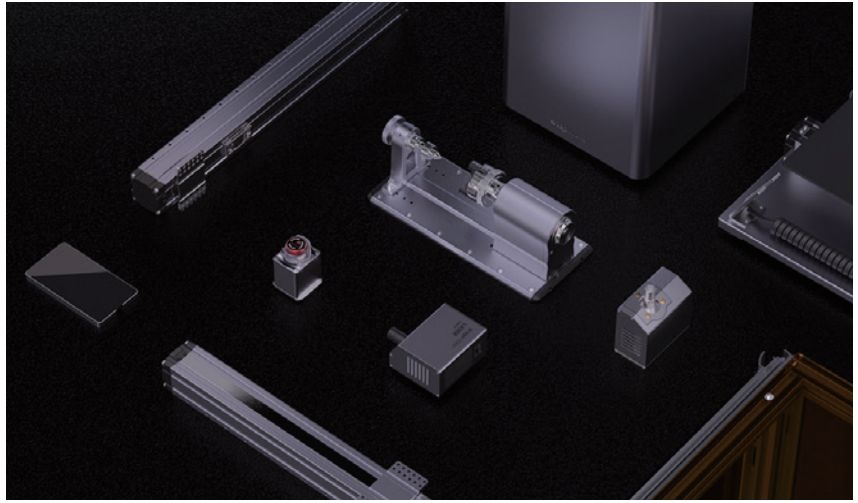


Platane Wood

MODULAR DESIGN

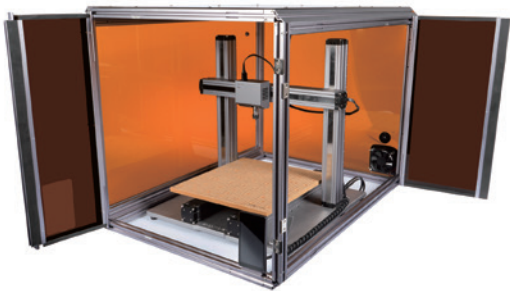
A Powerful and Infinitely Expandable Modular System

Imagine a 3D printer that you can upgrade and customize. Snapmaker is more than just a series of machines. It's a system of powerful modules and add-ons for creative people like you. You can enjoy a lot of new features simply by getting the new modules or new kits.



Add-ons

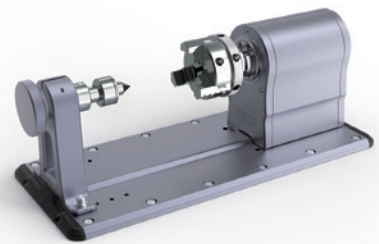
As an innovative Snapmaker owner, you can further enhance your creativity with a wide variety of add-ons to personalize your Snapmaker 2.0. For greater level of applications, we'll have Enclosures, Lights, a Handwheel, an Emergency Stop Button and a Camera available for preorder soon!



Enclosure for Snapmaker 2.0



Air Filter



Rotary Module



Tool Presetter



Handwheel



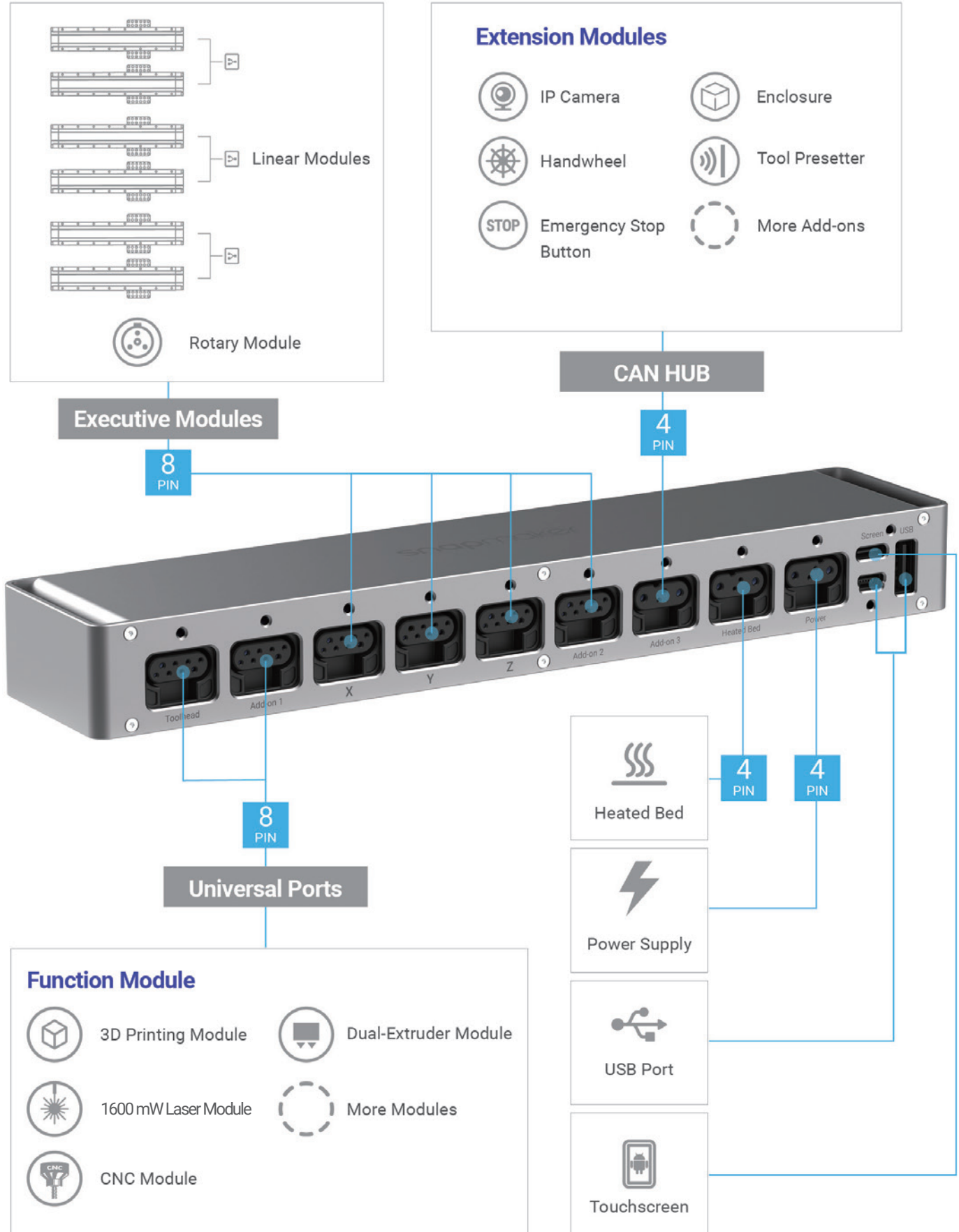
Emergency Stop Button



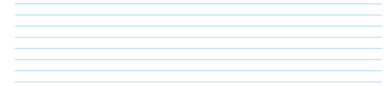
Dual-Extruder Module

Powerful Controller

Snapmaker 2.0 can support various toolheads, add-ons, linear modules, and more using simply one controller. The main reason we can realize this function is we have innovatively adopted the CAN (Controlled Area Network) bus expansion, a technology widely used in car automation. The controller has been upgraded with universal ports, multiport adapters, and a CAN Hub for adding additional CAN-bus ports.

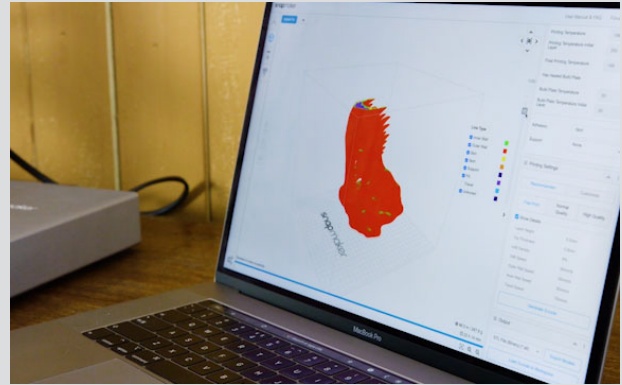


MAKING HAS NEVER BEEN EASIER



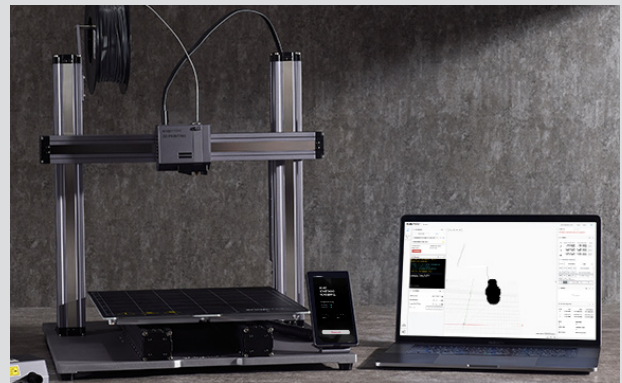
3-in-1 Software

Snapmaker Luban is tailor-made for Snapmaker machines, and is one single and powerful software for all your tasks. It has been iterated through 23 versions over the last one and a half years, adding features like multiple models printing / engraving / cutting / carving, SVG editing, relief carving, and multiple language support. Using rapid iterations, we've included many popular requests from our community.



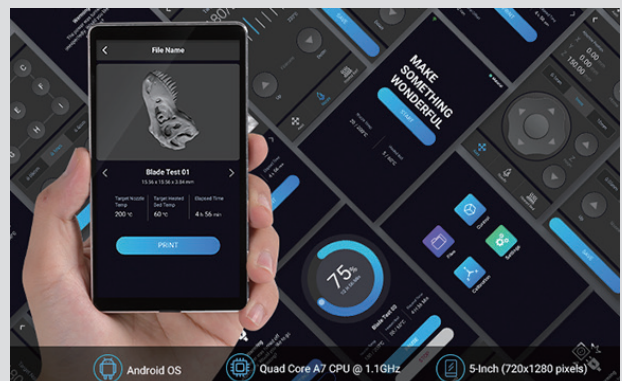
Wi-Fi Connectivity

With the Wi-Fi feature and the USB port, you can connect your Snapmaker 2.0 to any configuration for your convenience. You can upload designs via Wi-Fi or USB flash drive and print with the touch of a button. In addition, you can update the firmware over Wi-Fi directly.



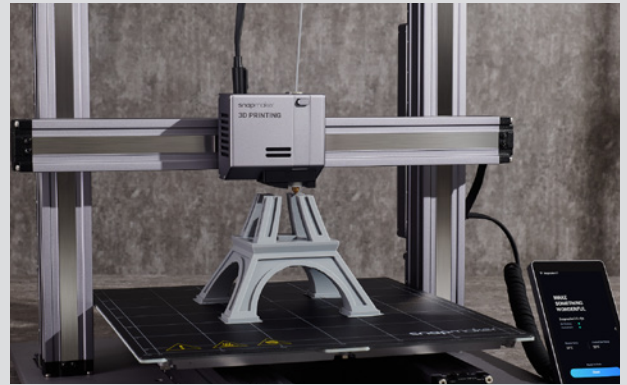
Smart Touchscreen

Snapmaker 2.0 come with a smart touchscreen that simplifies the workflow of your daily projects, letting you manage the most-used tasks directly from the touchscreen. Similar to a smartphone, the 5-inch (720 × 1280 pixels) movable touchscreen is equipped with a Quad Core A7 CPU @1.1 GHz, running under Android OS. providing a smooth and fast interface.



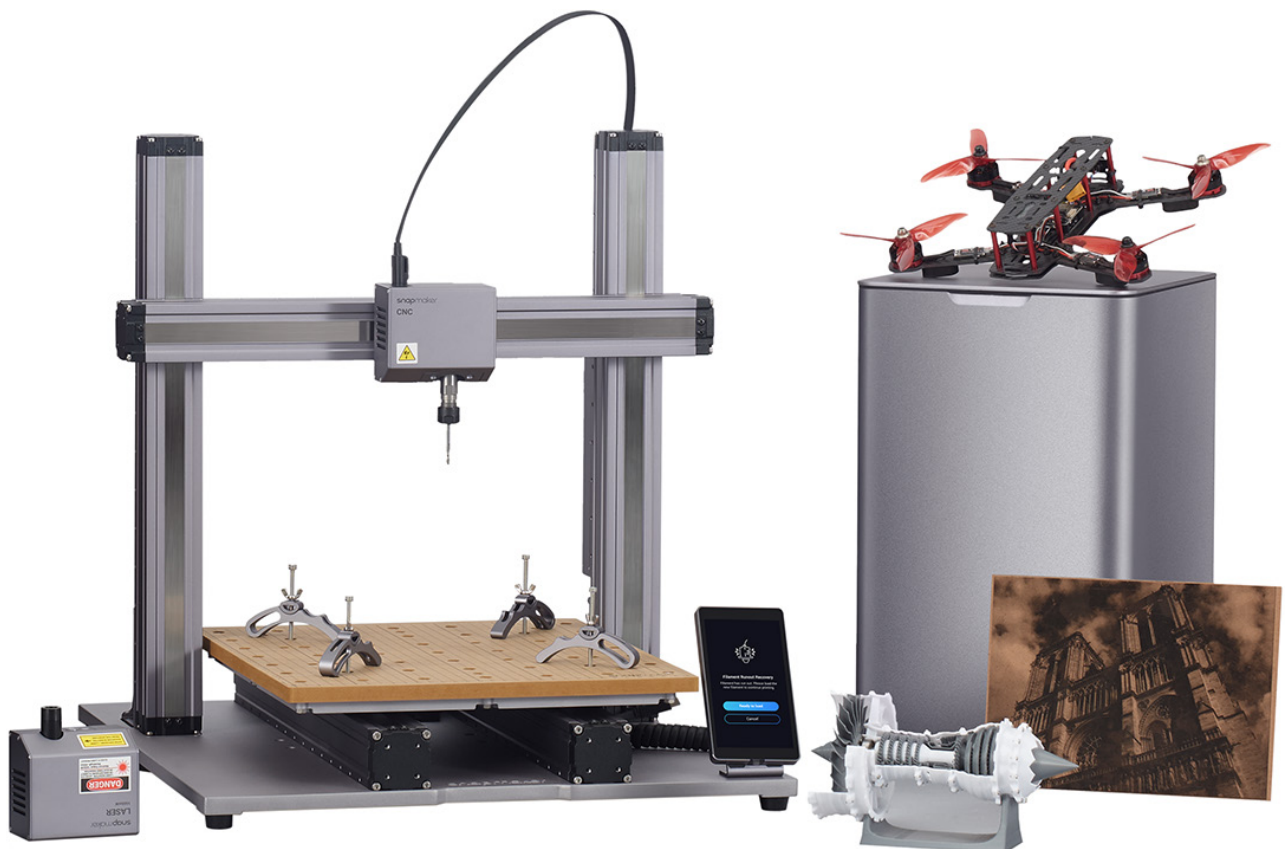
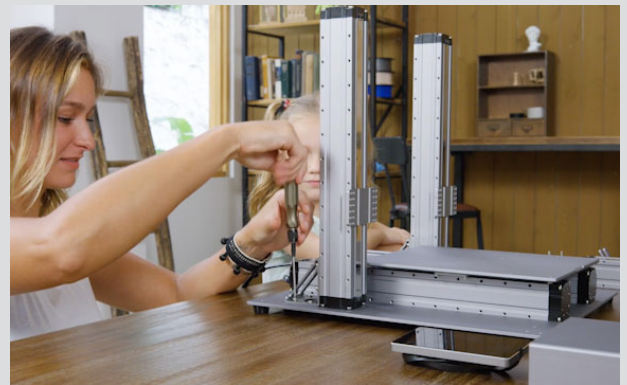
Power-loss Recovery

You don't have to worry about power outages anymore. Snapmaker 2.0 can automatically detect power-loss, and then resume exactly where it left off. You can recover any project and get perfect printing/engraving/cutting/carving results all the time.



Easy To Assemble

If you build a thing, you know a thing. Building a working 3D printer sounds like a terrifying prospect, not to mention building a laser cutter or a CNC router. We've successfully convinced people that they could assemble our original model in 20 minutes on their first try. This time, we're super confident that you'll enjoy the process of building your own Snapmaker 2.0, and you'll find this is the best kit you've ever assembled.



SPECIFICATIONS



General

Frame Material	Aluminum Alloys
Connectivity	Wi-Fi, USB Cable, USB Flash Drive
Touchscreen	5", Android OS, Quad Core A7 CPU @ 1.1 GHz
Software	Snapmaker Luban. You can also use 3rd party software to generate G-code files.
Supported File Types	STL, OBJ, SVG, JPEG, PNG, DXF, more formats to be added
Supported OS	macOS, Windows, Linux
Rated Power	320 W

3D Printing

Build Volume	A150: 160 × 160 × 145 mm
	A250: 230 × 250 × 235 mm
	A350: 320 × 350 × 330 mm
Heated Bed	A150: Up to 110 °C
	A250: Up to 100 °C
	A350: Up to 80 °C
Layer Thickness	50–300 µm
Nozzle Temperature	Up to 275 °C
Nozzle Diameter	0.4 mm
Supported Materials	PLA, ABS, TPU, Wood PLA, etc.

Laser Engraving & Cutting

Work Area	A150: 160 × 160 mm
	A250: 230 × 250 mm
	A350: 320 × 350 mm
Camera	Build-in Camera
Laser	1600 mW 450 nm Laser Diode
Safety Class	Class 4
Supported Materials	Wood, leather, plastic, fabric, paper, non-transparent acrylic, etc.

CNC Carving & Cutting

Work Area	A150: 160 × 160 × 90 mm
	A250: 230 × 250 × 180 mm
	A350: 320 × 350 × 275 mm
Shank Diameter	0.5–6.35mm (0.02-0.25 inches)
Spindle Speed	6,000–12,000 RPM
Supported Materials	Wood, acrylic, PCB, carbon fiber sheet, jade, etc.

Notice: The specifications listed might be slightly changed in any meaningful way when we refine these products.

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