

SNAPMAKER 3-IN-1

ORIGINAL

3D PRINTING, LASER ENGRAVING, CNC CARVING



| OVERVIEW |

If you're looking for affordability and versatility look no further. The Snapmaker is a 3-in-1 unit for; 3D printing, CNC milling, and Laser Engraving at a great price. With its robust but small build aimed at workshops with limited precious space, the Snapmaker accomplishes multiple functions in one machine via modular, changeable toolheads.

What does this mean for educational purposes? Good things, because of the opportunities created at such a modest investment. The Snapmaker is easy and simple to setup, has a full metal construction for durability and even has a touchscreen for easy control. It would be wise to have at least one of these in any school.

| KEY FEATURES |

- **3-in-1 Unit**
CNC Carving | Laser Engraving | 3D Printing
- **All-metal build & high precision parts**
Over 10 times better tolerances than plastic alternatives with its rock-solid frame
- **Safety Enclosure**
Allows for a Safer more quiet environment
- **Easy to build and transform**
Easily turn a 3D printer into a CNC Carver or Laser Engraver
- **Snapmakerjs Software**
Automatic identification of modules to present corresponding operation interface
- **Affordable value for money**
3 workstations solutions for the price of 1
- **Extensible Module Design**
Module design allows for compatibility with future upgrades
- **Active Support and Community**
Forums, Manuals, Videos and more at your disposal

Specifications

BASIC SPECS

Height x Depth x Width	335 x 289 x 272 mm (13.2 x 11.4 x 10.7 in)
Colour Touchscreen	3.5"
Frame Material	Aluminum Alloys
File Transfer	USB Disk, USB Cable
Power Requirement	100 - 240V AC
Supported OS	Windows, macOS

LASER ENGRAVING

Work Area	125 x 125 mm (4.9 x 4.9 in)
Laser Power	200 mW
Wavelength	405nm
Safety Class	Class 3B
Supported Materials	Wood, bamboo, leather, plastic, fabric, paper, non-transparent acrylic
Non-Supported Materials	Metal, glass, gem, transparent / reflective mats
Supported File Types	SVG, JPEG, PNG

3D PRINTING

Build Volume	125 x 125 x 125 mm (4.9 x 4.9 x 4.9 in)
Heated Bed	Up to 80°C
Print Head Travel Speed	Up to 100 mm/s
Nozzle Diameter	0.4 mm
Nozzle Temperature	Up to 250°C
Layer Resolution	50 - 300 microns
Supported Materials	Non-proprietary 1.75 mm, PLA, ABS etc
Non-Supported Materials	Alumide, graphite etc
Software	Snapmaker 3D or 3rd party software: Cura, Simplify 3D, Slic3r
Supported File Types	STL, OBJ

CNC CARVING

Work Area	90 x 90 x 50 mm (3.5 x 3.5 x 2.0 in)
Shank Diameter	3.175 mm
Spindle Speed	19,000 RPM
Supported Materials	Wood, Acrylic, PCB, Carbon Fiber Sheet, Jade
Non-Supported Materials	Metal, glass, gem
Supported File Types	SVG, STEP, IGES, IGS, DWG, DXF

ENCLOSURE V1.1

Product Dimensions	358 x 358 x 358 mm (14.1 x 14.1 x 14.1 in)
Product Weight	3.0 kg (6.6 lbs)
Frame Material	Aluminum Alloys
Surface Material	Acrylic