snapmaker

Product Catalog

snapmaker
3D PRINTING

snapmaker

06 /22
Attach the Z-Axis Holders to the Base Plate.

07 /22
Attach the Touch Screen Holder to the Base Plate.
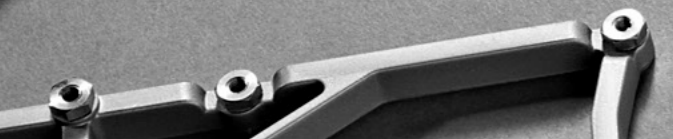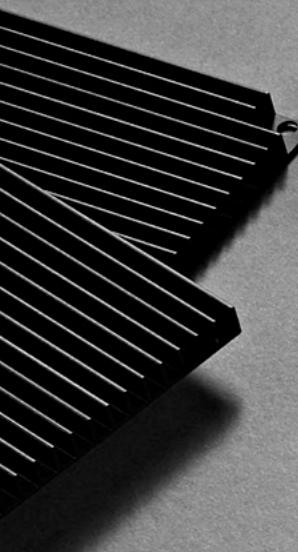
About us

Snapmaker is a tech company that develops, manufactures, and sells desktop multi-function 3D printers. It's dedicated to creating premium-quality and user-friendly desktop fabricating machines, bringing creation to everyone, and empowering the users to create their best.

Founded in 2016, Snapmaker integrates 3D printing, laser engraving and cutting, CNC carving in its products to achieve 3-in-1 functionality. It has won multiple international prizes and its product made a record in 2019 as the most crowdfunded 3D printer in the world. Snapmaker is loved by customers across the globe, and 90% of the orders placed were from overseas.

National High-tech Enterprise

2020 CES Innovation Award

Best of Kickstarter

Innovation Award by Global Sources

Milestones

2016.8

Snapmaker was founded.

2017.3

Launched Snapmaker Original on Kickstarter and raise $2.7M, ranking first in the amount of crowdfunding for Chinese projects in the history of the platform.

KICKSTARTER

2019.1

Raised more than $3M in series pre-A, with an estimated worth of $25M.

2019.5

Launched Snapmaker 2.0 on Kickstarter and raised $7.8M, ranking first in the amount of crowdfunding for global projects in the history of its platform.

KICKSTARTER

2019.9

Won the CES Innovation Award.

2021.2

Raised several million dollars in series A.

Product Introduction

Snapmaker 2.0 3-in-1 3D Printer

A Powerful and Expandable Modular System

3-in-1　　Modular Design　　High Quality

Snapmaker 2.0 Modular 3-in-1 3D Printer unlocks your full creative potential, from 3D printing to laser engraving, cutting, and CNC carving. Smarter, faster, larger, and more powerful than ever before, it is a new generation of 3-in-1 3D printer that comes with everything you need.

3-in-1

3D Printing

Snapmaker 2.0 is 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.
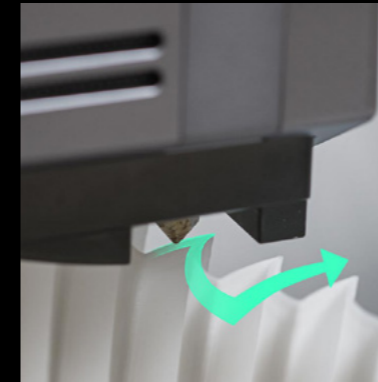
High Quality at 100 mm/s

Optimized motion control algorithm allows Snapmaker 2.0 to deliver excellent printing quality even at 100 mm/s.
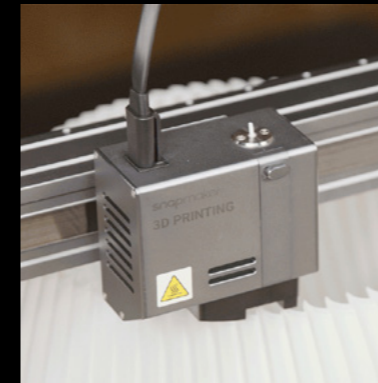
Filament Runout Recovery

Equipped with a filament runout sensor, the machine will alert you when the filament has run out. Load new filament and the printing job can be resumed right away.

Auto Leveling

The proximity sensor probes and obtains data for specific points on the heated bed and the machine compensates automatically for microscopic irregularities, thus enabling a nice and even first layer.

Flexible Print Sheet

The print sheet can be detached and flexed, making it easy to remove the print.

3-in-1

Laser Engraving & Cutting

Traditional 3D printers can only 3D print. Snapmaker 2.0 does more. With interchangeable modules, Snapmaker's functions can be changed quickly, just like changing lenses on a camera. Now you can make beautiful and artistic creations using laser engraving and cutting.

Built-in Camera

The built-in camera enables the Auto Focus, and offers Camera Capture function for you to edit your design and position it exactly where you want it to be.
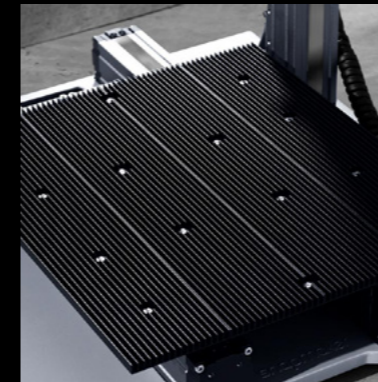
Aluminum Grid Table

Alleviates burn-in of the laser unit and excessive carbonization on the back of the material.

0.2 mm × 0.3 mm Laser Spot

1.6W Laser Module can engrave with a 0.2 mm × 0.3 mm laser focus, making incredibly accurate images.

3-in-1

CNC Carving

You can even use Snapmaker 2.0 as a CNC router to create complicated 2.5D and 3D objects. It has a more stable work speed and a much larger work area than Snapmaker Original, making it a perfect machine for you to start out on CNC carving.
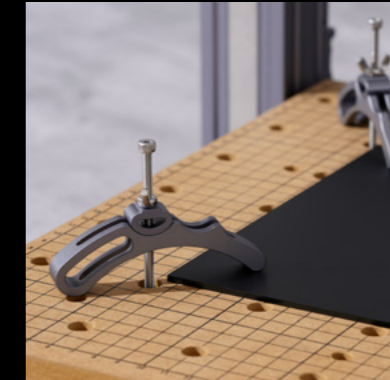

ER11 Collet

ER11 collet guarantees a better concentricity and supports over 100 CNC bits, whose diameters range from 0.5 mm (0.02") to 6.35 mm (0.25").
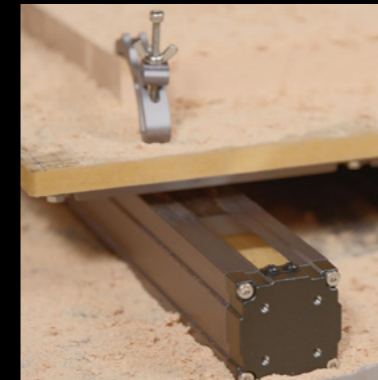
Dust Resistance

The precision parts of the Linear Modules are completely enclosed in the aluminum alloy housings, which eliminates dirt accumulation and ensures better durability.

Custom MDF Platform and Clamp Sets

Custom MDF platform protects other machine parts, while the customized clamp sets offer a much easier and steadier fixation than before.

Multiple Materials Supported

3D Printing

You can 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.
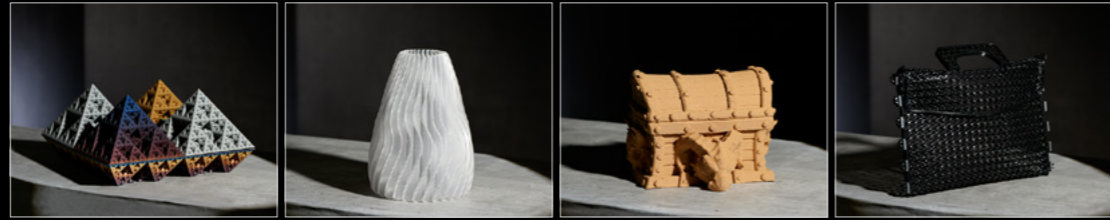
| PLA | PETG | Wood PLA | TPU |

Laser Engraving & Cutting

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

| Plywood | Paper | Corrugated Fiberboard | Leather |

CNC Carving

CNC carving is ideal for precisely carving or cutting hard materials. With Snapmaker 2.0, you are able to go beyond plastic or soft materials and choose among the following materials for your creative projects: hardwood, PCB, acrylic, POM, carbon fiber sheet, and many more.

| Beech | Carbon Fiber Sheet | Epoxy Tooling Material |

Modular Design

1 CAN Bus Technology

CAN (Controller Area Network) Bus technology adopted in the controller realizes modularity and guarantees efficient and stable data transmission.

2 Interchangeable Toolheads

Thanks to the modular design, changing functions on Snapmaker 2.0 is fast and easy. Choose from Snapmaker 2.0 optional toolheads to meet your personalized needs.

3 Quieter Linear Modules

TMC2209 stepper motor driver chips embedded in the Linear Module, along with the screw lead optimization, realize a substantial noise reduction.
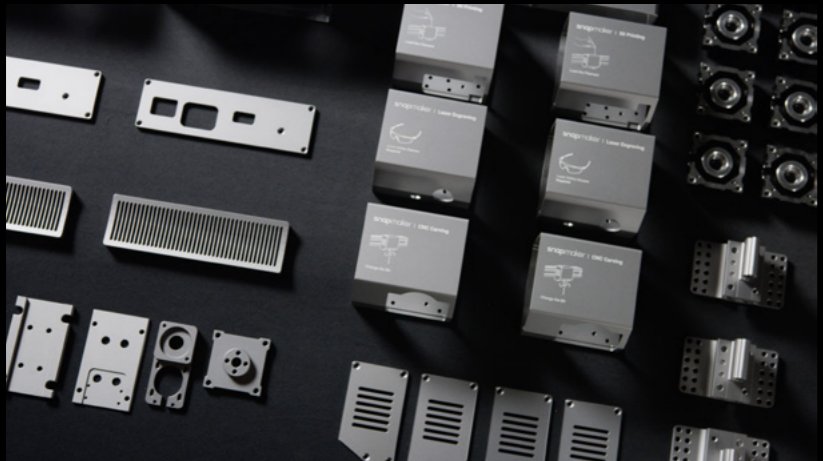
4 5-inch Touchscreen

5-inch (720 × 1280 pixels) portable Touchscreen equipped with a Quad-Core A7 CPU @1.1GHz, running the Android OS, with intuitive navigation, makes for premium user experience.

5 Quieter Power Module

New Power Module uses a quieter fan whose speed can be adjusted automatically according to the real-time temperature.
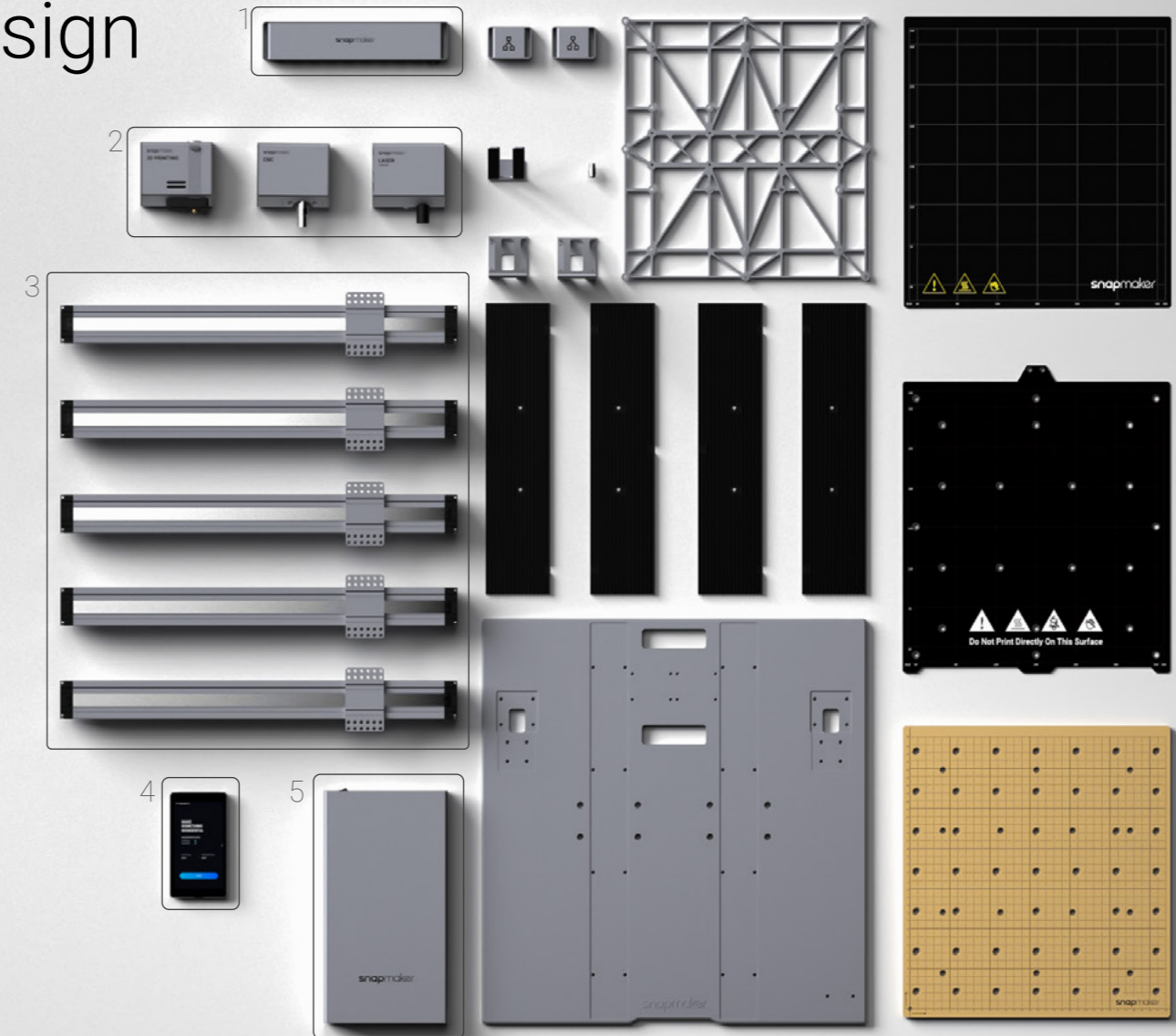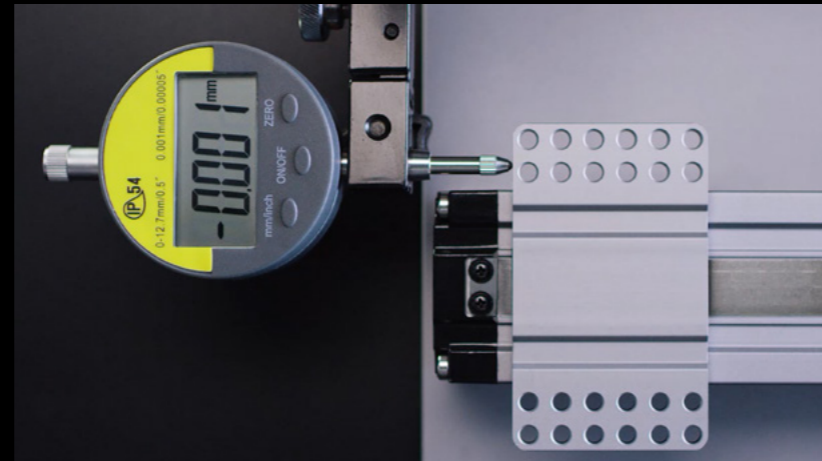
High Quality

All-metal & Well-made

With all modules and major components made of aluminum alloys, Snapmaker 2.0 not only looks premium, but also consistently delivers high performance.

High Precision

With a repeatability of 0.005mm, Snapmaker 2.0 makes possible high-resolution 3D printing, engraving, cutting, and carving.

Custom 3-in-1 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 free.

Integrate 3D printing, laser engraving and cutting, and CNC carving

Start job via Wi-Fi, USB flash drive, and USB cable

Support multi-object processing

Open source code, customized profiles

Various built-in cases

Intuitive user interface

Support multiple language

Compatible with Windows, macOS, and Linux
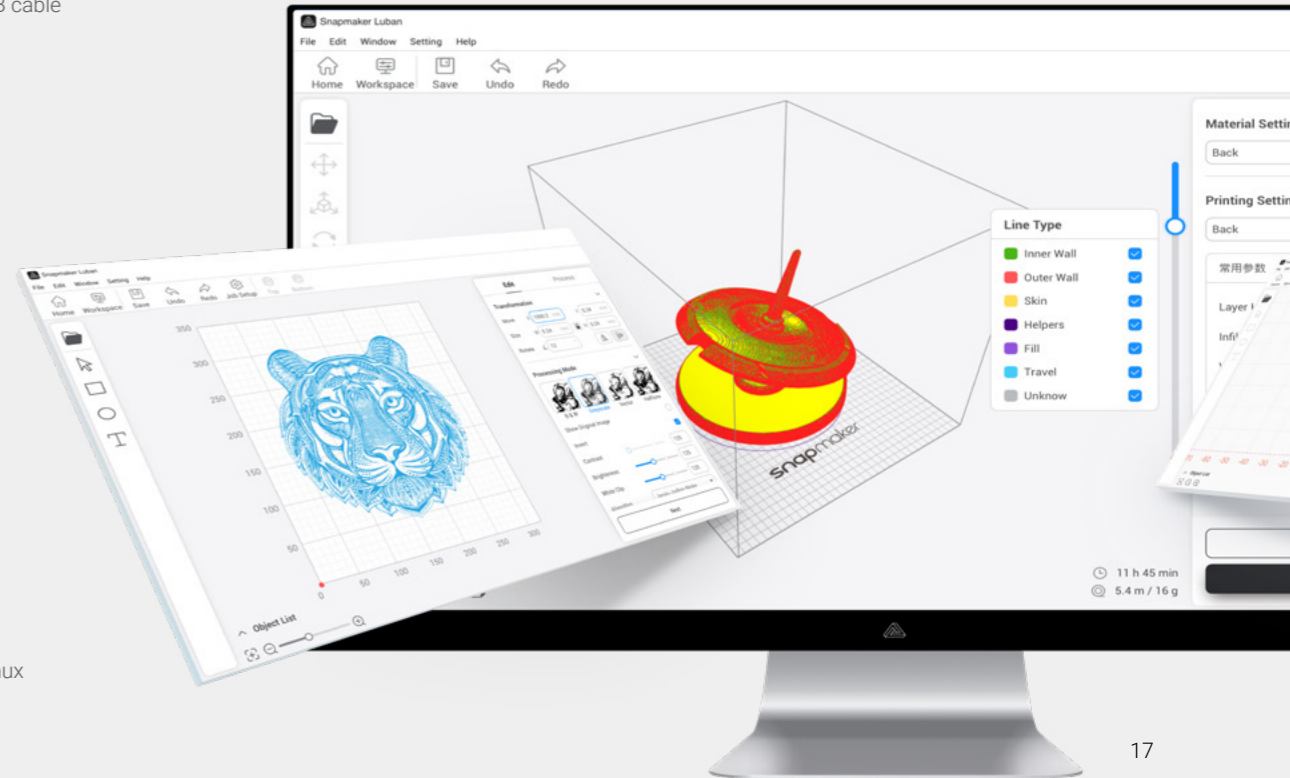
Wi-Fi Connectivity

With the Wi-Fi feature and the USB port, you can connect your machine in whichever way that's convenient for you. You can load your files to the machine via Wi-Fi or USB drive and print with the touch of a button. In addition, you can update the firmware over Wi-Fi directly.

Power Loss Recovery

Worry no more about power outages. Snapmaker 2.0 automatically detects power loss, and then resumes exactly where it left off. You can recover any project and get perfect results at all times.

Specification

Snapmaker 2.0 A250T/A350T/F250/F350

General

Frame Material:	Aluminum alloy
Data Transmission Methods:	Wi-Fi, USB cable, USB flash drive
Touchscreen Specs:	5 in., Android OS, Quad-core 1.1 GHz ARM Cortex-A7
Supported Software:	Snapmaker Luban, and third-party software.
Supported OS:	Windows, macOS, Linux
Rated Power:	320 W

3D Printing

Heated Bed:	350 Up to 80°C
	250 Up to 100°C
Layer Resolution:	50–300 microns
Nozzle Diameter:	0.4 mm
Max Nozzle Temperature:	275°C
Supported Materials:	PLA, ABS, PETG, TPU, wood filled PLA, and more being tested
Supported File Types:	STL, OBJ

Laser Engraving & Cutting

Camera Type:	Built-in camera
Laser Power:	1600 mW
Laser Spot Dimensions:	0.2 mm × 0.3 mm
Wavelength:	450 nm
Laser Class:	Class 4
Supported Materials:	Wood, leather, plastic, fabric, paper, non-transparent acrylic, and more being tested
Supported Design File:	STL, SVG, JPEG, PNG, JPG, BM, DXF
Supported Processing File	NC

CNC Carving

Shank Diameter:	0.5–6.35 mm
Spindle Speed:	6,000–12,000 RPM
Supported Materials:	Wood, acrylic, PCB, carbon fiber sheet, jade, and more being tested
Supported Design File:	STL, SVG, JPEG, PNG, JPG, BM, DXF
Supported Processing File:	CNC

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

Pick Your 3D printer!

2 Versions

3-in-1 Version

Features all three functions mentioned above, including 3D Printing, Laser Engraving and Cutting, and CNC Carving.

3D Printing Version

A lite version which features 3D printing function only. More affordable and easy-to-use for beginners

2 Sizes

Large Size (350)

Large-size Snapmaker 2.0 offers a 320 × 350 × 330 mm work area, capable of printing one-piece large-scale prototypes. With no need to split your file into smaller ones, it shortens the time it takes from an idea to reality.

330mm (13.0")
350mm (13.8")
320mm (12.6")
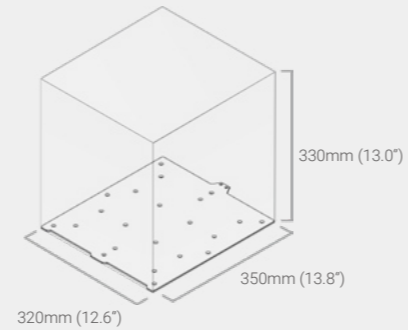
Mid Size (250)

Mid-size Snapmaker 2.0 offers a 230 × 250 × 235 mm work area, along with a higher max heated bed temperature and higher heating rates. It's room-saving, easily portable, and more suitable for printing materials that require higher bed temperature.

235mm (9.3")
250mm (9.8")
230mm (9.1")
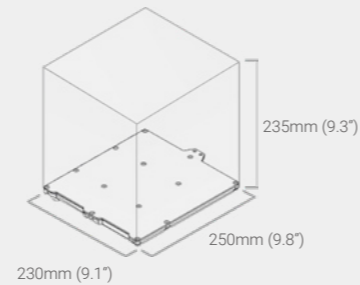
	Large Size (350)	Mid Size (250)
3-in-1 Version	A350T	A250T
3D Printing Version	F350	F250

Optional Toolheads

10W High Power Laser Module

Snapmaker 10W High Power Laser Module levels up your laser cutting and engraving experience by introducing the cutting-edge laser beam splitters to improve its efficiency, finesse, and diversity of supported materials.

10W High Power

Auto Focus

Upgraded Camera Capture

Tailor-made Software

Supported Materials for Engraving:

Pinewood, plywood, beechwood, walnut, bamboo, MDF, painted metal, copper clad laminate, SPTE, stainless steel, anodized aluminum, acrylic, dark glass, slate, brick, ceramic, jade, marble, shale, leather, fabric, canvas, corrugated fiberboard, cardboard

Supported Materials for Cutting:

Pinewood, plywood, beechwood, walnut, bamboo, MDF, black and red acrylic, leather, fabric, canvas, corrugated fiberboard, cardboard

Various Addons

Snapmaker 2.0 can be personalized with a wide variety of Addons. For now, we have Enclosure, Rotary Module, Emergency Stop Button, CAN Hub, and Air Purifier available now. And there are more are on their way.

Snapmaker **Enclosure**

It offers you an extra layer of safety during the making process, and fits seamlessly into your Snapmake 2.0 system.

Laser Reduction

Physical Safeguards

Dust Isolation

Exhaust System

Tri-fold Magnetic Doors

Door Detection

Snapmaker **Rotary Module**

The Snapmaker 2.0 Rotary Module adds a 4th axis to your Snapmaker, making it an extremely mighty desktop CNC machining powerhouse, and much more.
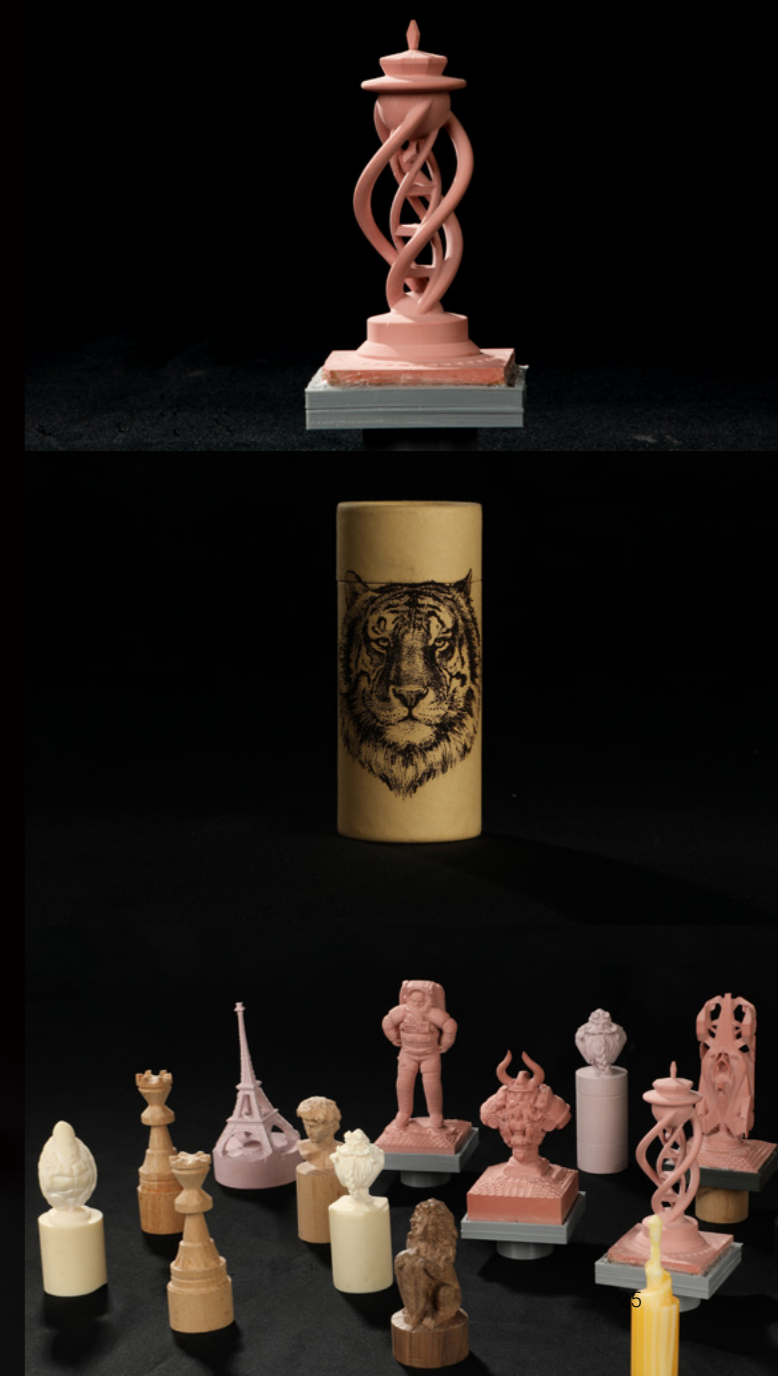
Desktop 4-axis machining

Ultra precision machining with strain wave gearing

Free 4-axis software support

Intuitive user experience with Origin Assistant

Snapmaker **Air Purifier**

Chemicals such as PM (Particle Matters) and VOCs (Volatile Organic Compounds) can be released when you 3D print with or laser engrave on certain types of materials. You can further filter them with a Snapmaker 2.0 Air Purifier.

Exclusive Filter Cartridge

Filter Detection

Filter Life Detection

Fan Speed Control

Status Light

Full-metal Design

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AIR PURIFIER
Power 120 watt

Snapmaker **CAN Hub**

The CAN Hub is a 4-in-1 docking station designed to extend the 4-pin ports of Snapmaker 2.0 product series to allow the connection of more addons.

- Expandability
- Ease of use
- High performance
- Security

snapmaker
CAN HUB

Snapmaker
Emergency Stop Button

Provide an extra layer of safety for 3D printing, laser engraving, and CNC carving. Simply press the stop button and your operation will come to a halt.

- Emergency Stop
- Flexible Installation
- Status Light
- Full-metal Design

snapmaker
EMERGENCY STOP BUTTON

Support & Service

Online Video Tutorials

Comprehensive video tutorials for beginners, software operations, troubleshooting, and tips and tricks.

Quick Start Guide

Guide you to assemble the machine and craft your first work.

User Manual

Learn advanced methods and techniques to get you from beginner to pro.

Training and Instruction, Technical Support

Technical experts at the official Help Center answering questions online. Guidelines for troubleshooting and maintenance operations.

Product Bundles and Tailor-made Courses

Designed to create imaginative and innovative space for educators and classroom learning.

Snapmaker STEAM courses include 3D printing, laser engraving and cutting, and CNC carving, more to be published.

International Interactive Community

Obtain creative inspiration anytime and anywhere, experience the fun of creation and sharing.
Massive model files and creative resources at your fingertips.
Global makers take you from beginner to pro, unlocking more possibilities.

Global User Map

At present, Snapmaker has accumulated 30,000+ users, covering in more than 100 countries and regions around the world.
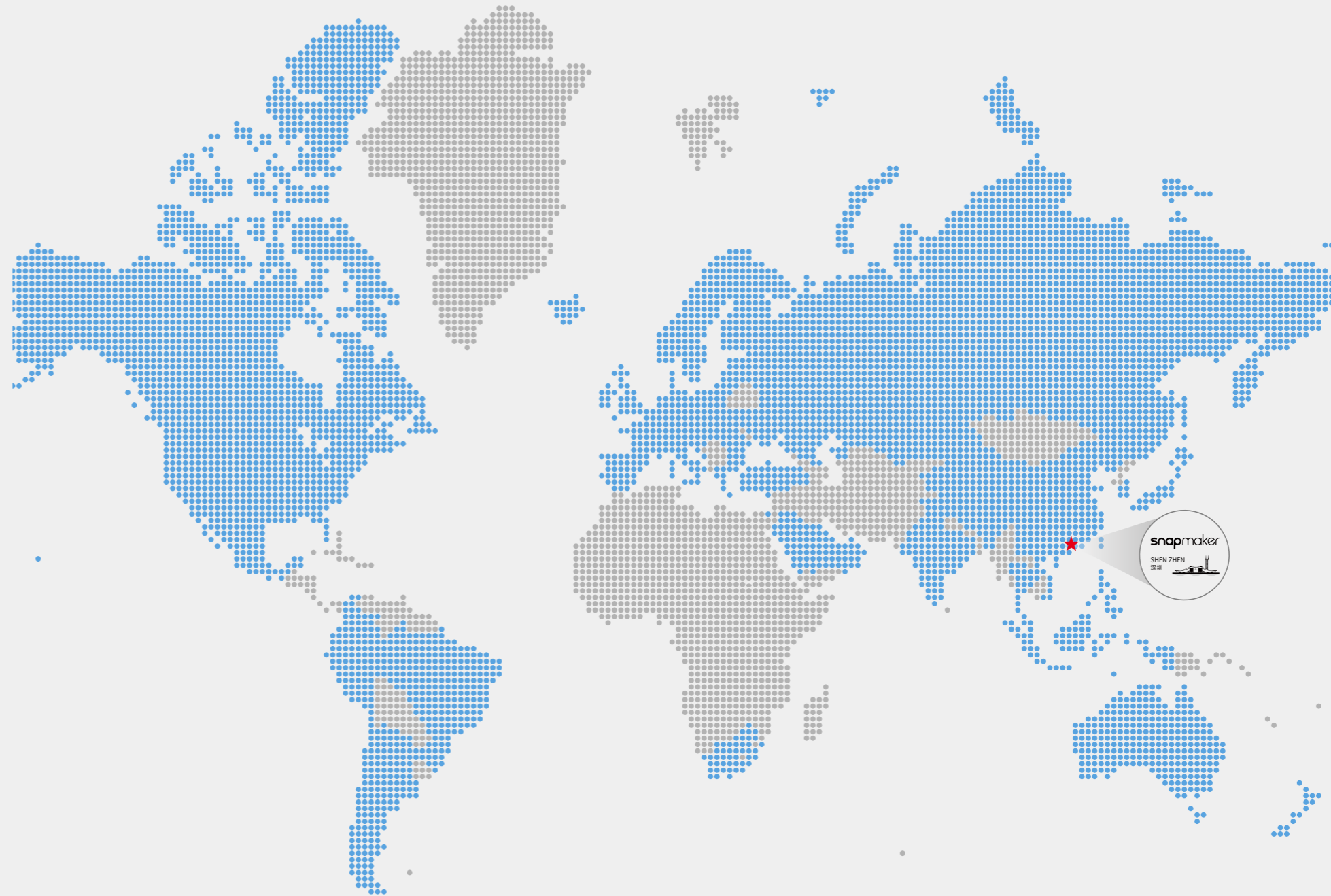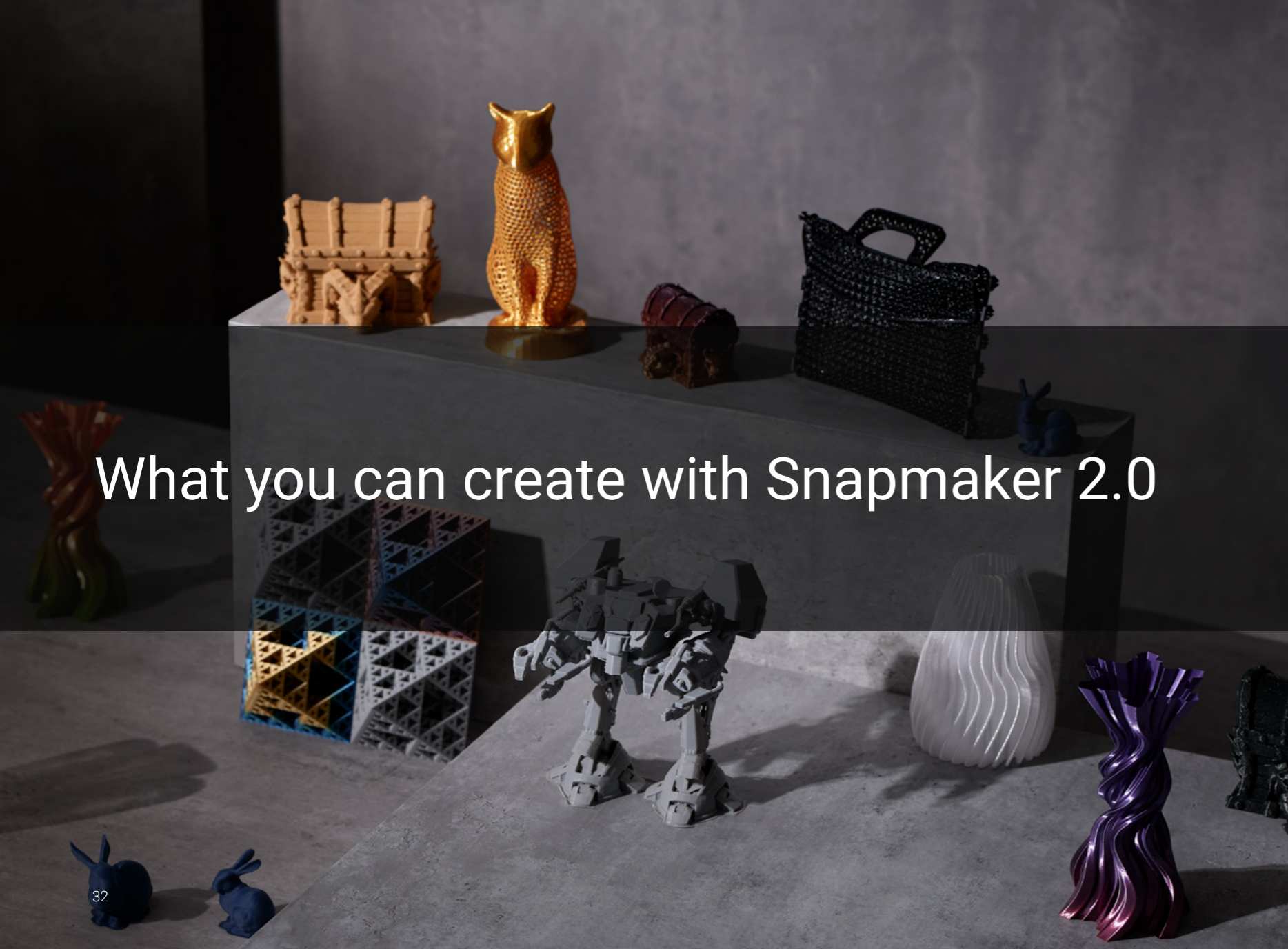
What you can create with Snapmaker 2.0

Entertainment

Education

Professional creation

Join Snapmaker Community
Connect with Global Users
Experience a Revitalized Maker Culture

250+ Monthly Wonderful Case
15000+ Weekly Active Members
32000+ Global Community Users
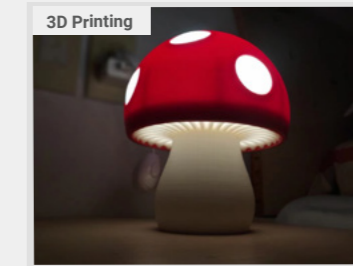

3D Printing
Three-wheeled car
by Alex Jaeger

3D Printing
Jurassic park
by fabrice.baroiller

3D Printing
Mushroom lamp
by Fan Zhang

3D Printing
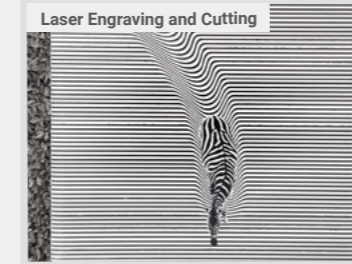**Little mouse drinking coffee**
by Benjamin Schmid

Laser Engraving and Cutting
Map
by Debbie Larkins

Laser Engraving and Cutting
Zebra
by Alan Fox
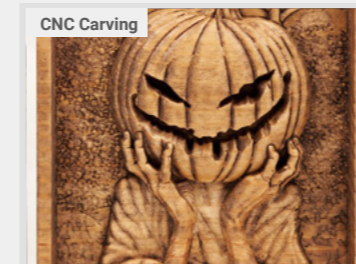
Laser Engraving and Cutting
Christmas shadow box
by Rodney Shank

Laser Engraving and Cutting
Assembled car model
by Валентин Яланжи

CNC Carving
Halloween Art
by Eugene Fedorov

CNC Carving
Christmas decoration
by Todd Weiland

CNC Carving
Chevrolet nameplate
by Chrystof Lrx

CNC Carving
Artistic relief
by Todd Weiland

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