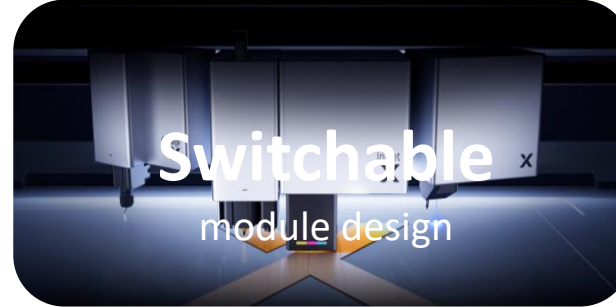# xTool M1 Ultra

4-in 1 versatile craft machine

Features at a glance

World's first 4-in-1
craft machine

Switchable
module design

5400RPM
strong smoke exhaust system

Smart multi-tasking
in one workflow

EasySwap™ modules

One-stop
accessory solutions

Multi-positioning scheme

Safety
as a top priority

World's first 4-in-1 craft machine

One-stop studio integrating multiple functions for almost all crafting needs
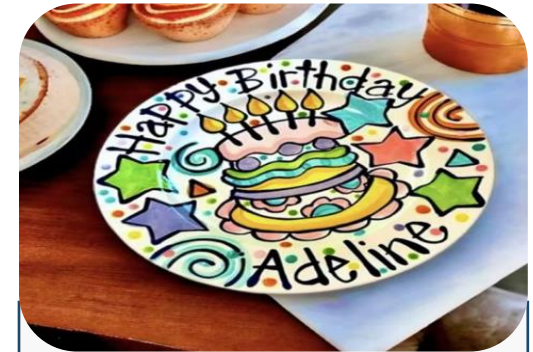

Laser mode
Diode laser for engraving and cutting

Blade mode
Versatile tools for foiling and cutting

Inkjet mode
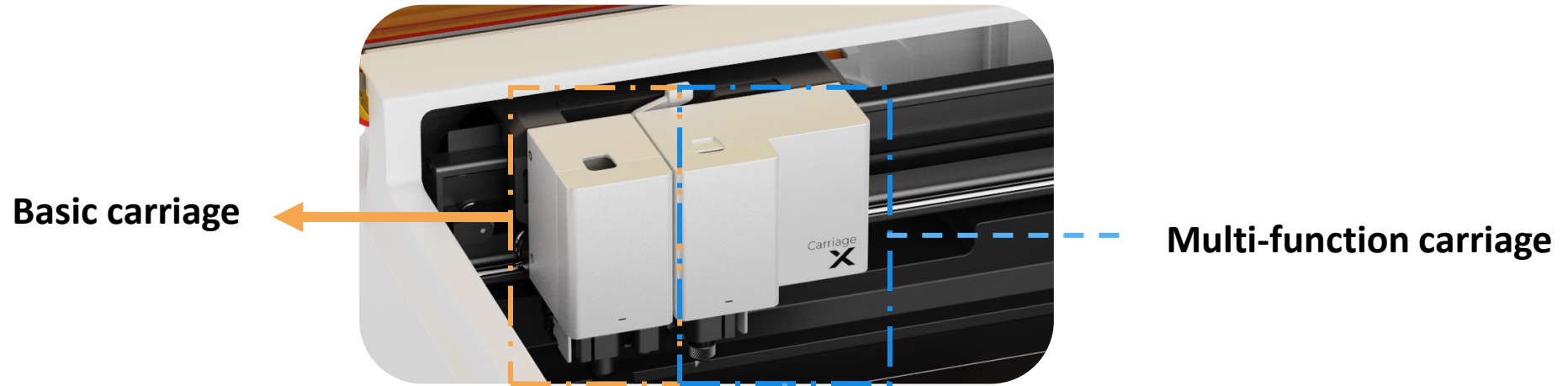Vivid ink for colorful printing

Pen mode
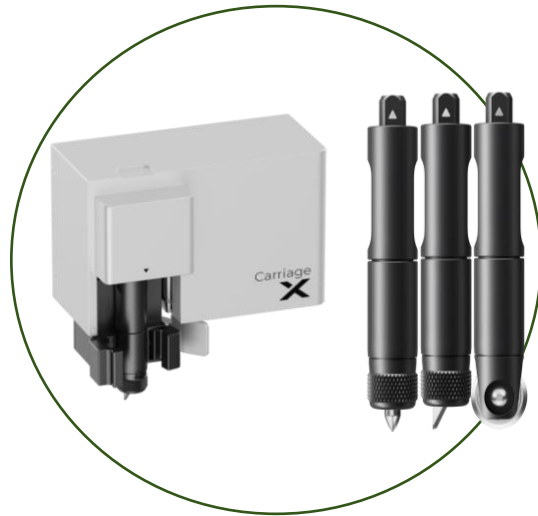Range of multiple pens for automatic drawing

1000+ materials. Unlimited possibilities

From paper, vinyl and leather to wood, acrylic, and metal, all made effortless

1000+

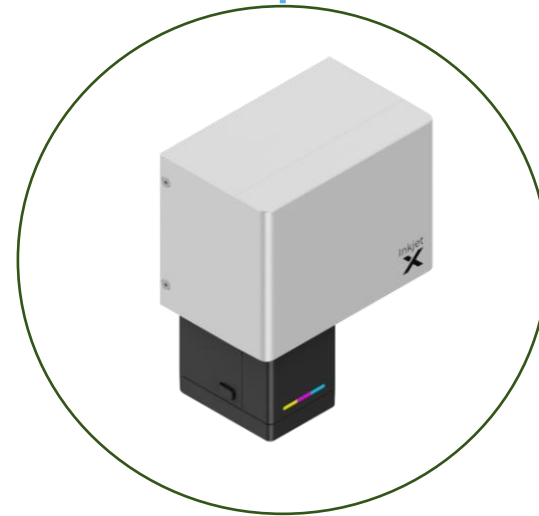# Switchable module design

Basic carriage

Multi-function carriage

Passive module
Fine-point blade & drawing pen

Active module
Cutting blade, rotary blade, foil-transfer tip

Inkjet printing
Switchable ink cartridge

Laser module
10W&20W laser module

EasySwap™ design

The active module, laser module and inkjet printing module all use a unified blade connector, combined with the quick-switch buckle design, can achieve rapid switching between modules, free of any screws

- **Only 4 steps are needed**
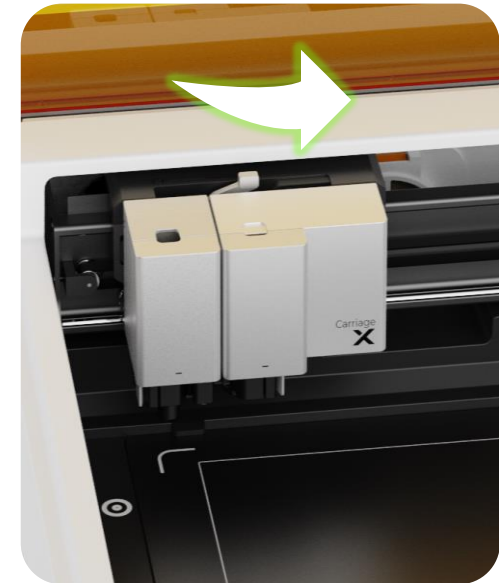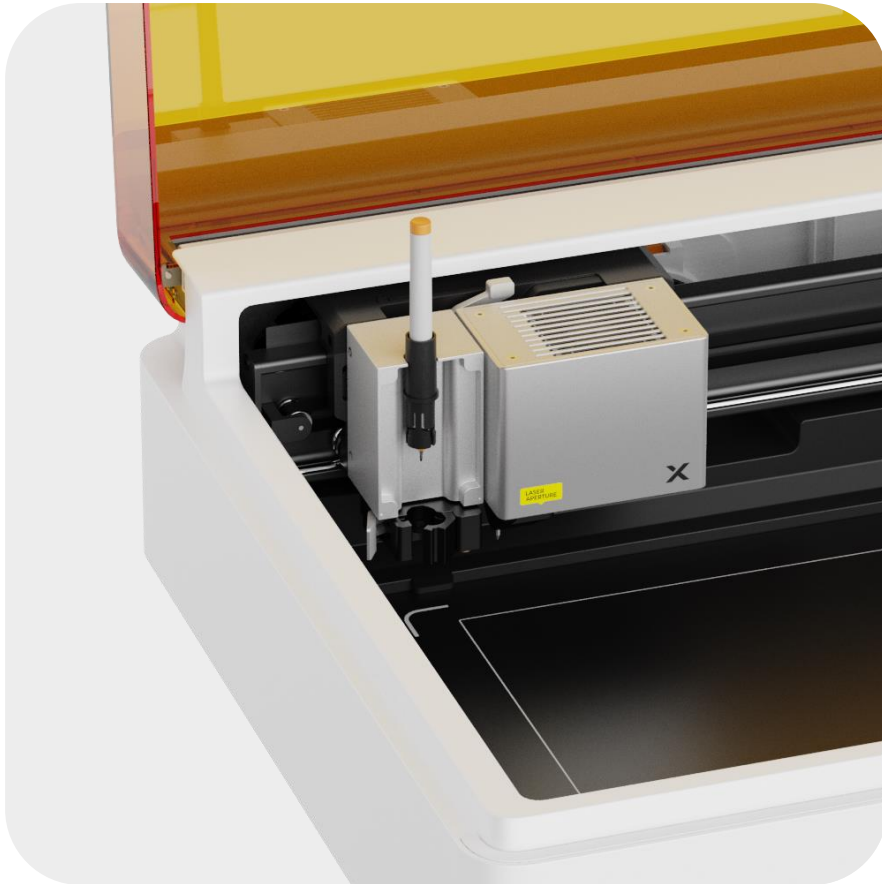

| **Loosen the locking bar** | **Remove the module 1** | **Install the module 2** | **Tighten the locking bar** |

Basic carriage

Unable to actively rotate, relying on dragging of X and Y axes

Drawing pen

Fine-point blade

Basic carriage_drawing pen

01   Color Type

- 8 colors：red, orange, yellow, green, cyan, blue, purple, and black

02   Function

- 0.4mm tip
- Support line drawing and color filling

03   Scenarios

- Realize the drawing of patterns and text
- Draw on cardboard and other papers with a thickness of 2.5mm or less

Basic carriage_fine-point blade

Mainly used for processing thin and flexible materials, such as A4 copy paper, self-adhesive sticker, vinyl, and other thin materials

Multi-function carriage_active module

Cutting blade

Cutting the difficult-to-cut materials like leather, felt, artificial leather, etc.
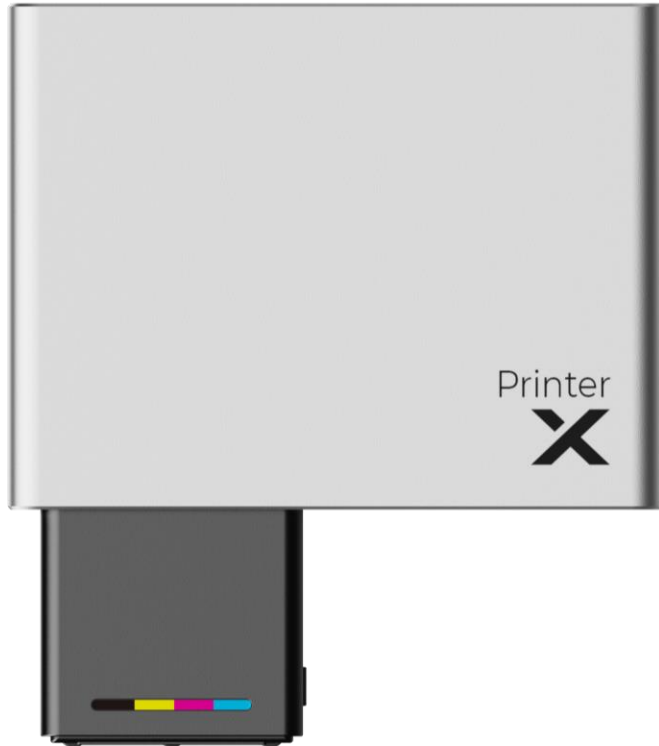

Rotary blade

Cutting fabric materials, such as denim, cotton, etc.

Foil-transfer tip

Make a concavo-convex and foil-stamping effect on card stock paper, kraft pater, etc.

Multi-function carriage_inkjet printing

Technology: <u>Thermal inkjet printing</u>
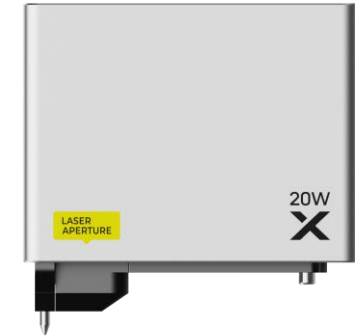
Feature:

- **Printing in CMY, software automatically process the user's photos**

- **Detachable and replaceable ink cartridge**

- **Support material: wood, paper, photo paper, postcard, etc.**

- **Service life : 20 A4 papers**

Multi-function carriage_laser module

- Laser type: **455nm diode laser**

- Laser power: **10W&20W**

- Focus mode: **Auto-focus system**

Scenario	Basic	Riser base	Riser base & RA2 Pro
Maximum Engraving Thickness	25mm	125mm	99mm

Wood Acrylic Rubber Ceramic

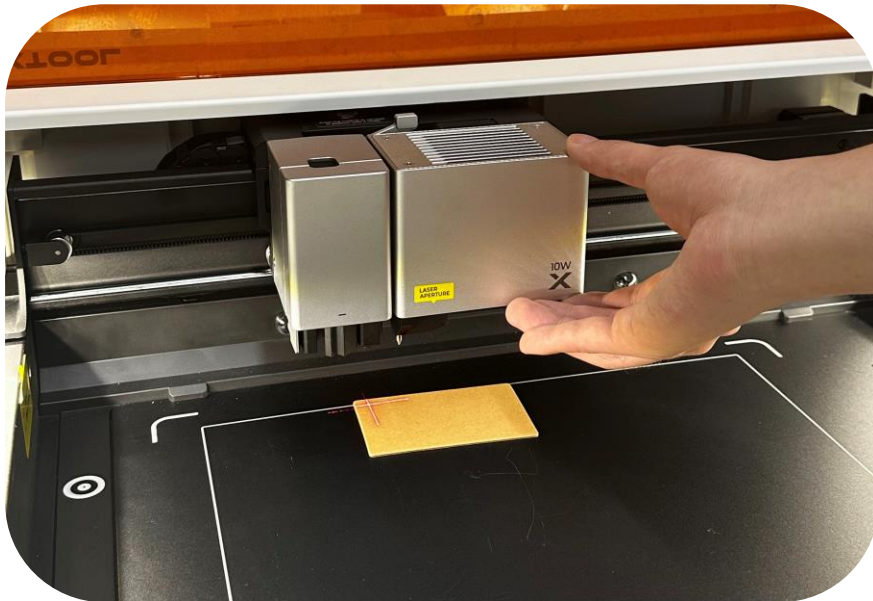Stainless steel Food Leather Cork

Painted metal Slate Glass Fabric
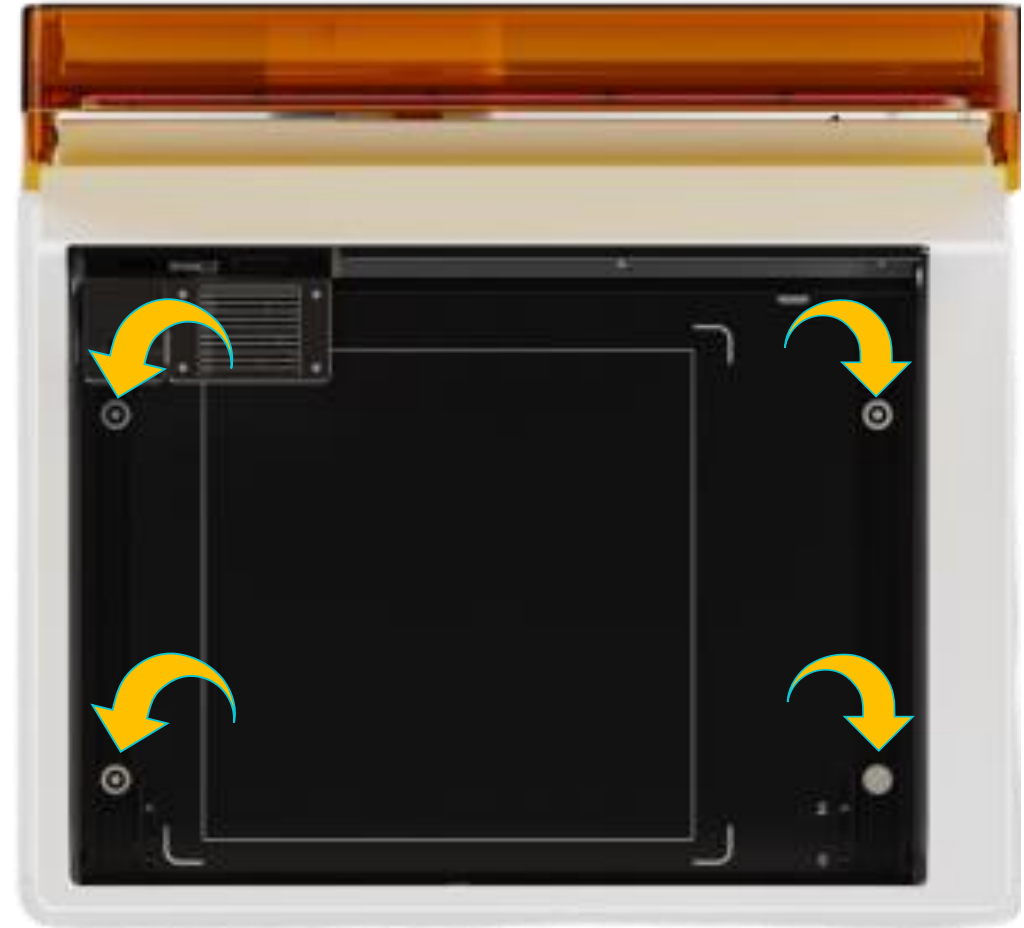
Uncomplicated placement system

Method 1: precise positioning without the need of a camera

Uncomplicated placement system

Method 2: snapshot preview

It uses the camera on your mobile phone to take a picture of the working area to serve as the background by relying on the four camera viewfinder points on the baseplate

Your safety is our top priority

CLASS 1 LASER PRODUCT

Class 1 laser safety

Ensure the safety of lasers marked as class 1 laser product.

Laser key lock

Unplugging the lock prevents the laser from operating, avoiding accidental use by children or others.

Protect your eyes

The large, high-transparent cover offers superb light filtering (99.9%), enabling clear process observation without goggles.

Bye harmful gases

Use a smoke exhaust module with 5400RPM. Pre-filtration of visible particles is achieved by a pre-filter.

Lid-open stop design

Open the machine cover during operation and stop processing immediately.

Move-triggered shutdown

If the machine is moved rapidly or struck forcefully by foreign objects, it will automatically cease operation.

3 flame detection sensors

Combined with fire safety set, it automatically stops processing and extinguishes fires.

LU94V-0 flame resistance

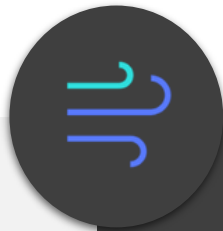Shell and cover are flame-resistant to LU94V-0 (the highest fire-rated specification).

M1 Ultra accessories

Desktop air purifier

Fire safety set

Smart air assist

Rotary attachment

Combined with riser base

Riser base

M1 Ultra Specification

M1 ultra	Specs
Product Dimensions	24.41"*19.61"*7.01"(620mm*498mm*178mm), 12KG
Processing Mode	Laser Mode, Blade Mode, Inkjet Printing, Pen Drawing, Multi-module Processing
Working Area	Laser Mode: 11.81"*11.81"(300mm*300mm) Blade Mode: 11.81"*11.81"(300mm*300mm) 11.61"*11.61"(295mm*295mm) for cutting blade Pen Mode: 11.81"*11.81"(300mm*300mm) Inkjet Mode: 11.65"*11.26"(296mm*286mm)
Max Working Speed	400mm/s
Laser Power	10W / 20W Diode Laser
Maximum Laser Cutting Capacity	10W: 6mm Basswood Board 20W: 10mm Basswood Board
Maximum Blade Cutting Capacity	Fine-point Blade: 1.5mm Cutting Blade: 2.5mm
Connection	USB / Wi-Fi
Support System	Android / iOS / iPad / Windows / macOS
Support File	SVG, DXF, JPG, JPEG, PNG, BMP, etc.

M1 Ultra catalog

Material Name	10W standard	10W deluxe	20W standard	20W deluxe
Laser module				
10W laser module	√	√	✗	✗
20W laser module	✗	✗	√	√
Basic carriage				
Fine-point blade	√	√	√	√
Drawing pen	√	√	√	√
Active module				
Cutting blade	√	√	√	√
Rotary blade	✗	√	✗	√
Foil-transfer tip	✗	√	✗	√
Inkjet printing				
Inkjet printing module	✗	✗	✗	✗
Accessories				
Riser base + honeycomb	✗	√	✗	√
RA2 Pro	✗	√	✗	√