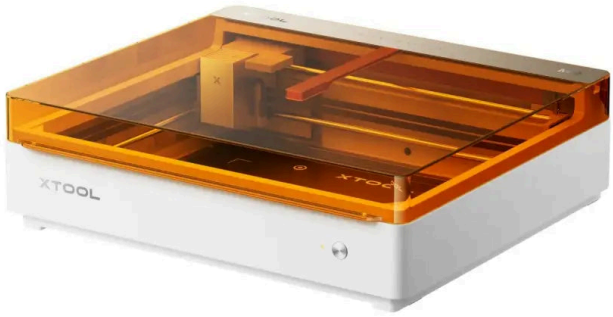
NEW · XTOOL M2 COLOR CRAFT

Print. Cut. Engrave.

One enclosed desktop machine — for the workshop and the classroom.

The xTool M2 combines colour CMYK printing, laser cutting and engraving in a single device. Print a colour design and cut it out precisely on the same machine — no moving between devices, no manual alignment.



426 × 320	600 mm/s	10 / 20 W	CMYK	Class 1
mm laser working area	maximum speed	blue diode laser + optional 3 W IR	colour printing + cutting (print & cut)	fully enclosed, safe for use in occupied rooms

W

Small workshops and makers

- Personalised gifts, labels, stickers, magnets, packaging and signage — from a single device.
- Print & cut opens up new products: colour stickers, keyrings, ornaments, event decorations.
- Two cameras with automatic material recognition and alignment = less waste, fewer test cuts.
- Modules swap out in seconds (magnetic mount).

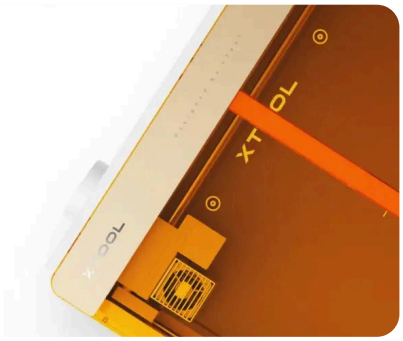
S

Schools, clubs, STEM classrooms

- Class 1 laser — enclosed housing, built-in air assist.
- xTool Studio works like a “smart camera”: the pupil sees the design on the material before starting.
- Ready-made templates and free learning content for a quick start in the classroom.
- Covers design & technology, art, design, enterprise projects and school fairs.







WHAT IT CAN DO

More than 300 materials — three processing modes

The blue diode laser (10 W or 20 W) cuts and engraves, the CMYK module prints in full colour, and the optional 3 W infrared module (1064 nm) marks metals. In a single pass the 10 W module cuts through up to **8 mm** of basswood, and the 20 W module up to **10 mm**.







Wood and wood-based materials

basswood, plywood, MDF, bamboo, cork — cutting, engraving, colour printing

Leather, felt, fabrics

keyrings, patches, bags, wallets; printing on fabric and felt

Paper, card, stickers

greetings cards, packaging, labels, print & cut stickers

Coloured acrylic

opaque darker acrylic — engraving and cutting; printing on acrylic

Stone, slate, coated surfaces

engraving coasters, plaques, signs

Metals 3 W IR

marking stainless steel, aluminium, jewellery and tools with the IR module

Round objects RA3 Lite

glasses, flasks, bottles up to Ø 100 mm — no riser base

Conditional

glass, ceramic, bare metal for colour printing — only with a prior coating

Not suitable

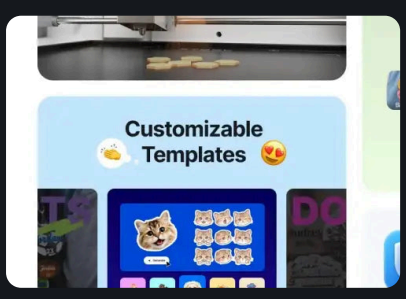
transparent and white acrylic (diode laser), PVC and materials containing chlorine

Examples for the workshop

- personalised corporate gifts and keyrings
- colour stickers, magnets, product labels
- plaques, signs, decorations for weddings and events
- engraving on glasses and flasks (RA3 Lite)

Examples for the classroom

- models, puzzles, wooden models
- school stickers, calendars, certificates
- products for the school fair and enterprise projects
- project work: from drawing to finished product in an hour



SOFTWARE INCLUDED

xTool Studio — no additional licences

For Windows and macOS, connecting via USB or Wi-Fi. Imports SVG, DXF, PNG, JPG, BMP. Material presets, automatic camera alignment, adjustable templates. With the machine you also get access to the **xTool Learning Center** — video courses, material guides and step-by-step projects:

support.xtool.com/learning-center

COMPARISON

What's new compared with the M1 Ultra



vs



The M2 is the successor to the popular M1 Ultra: faster, with a larger working area, better printing and more precise positioning. It drops the blade and pen — focusing on laser + colour printing.

	XTOOL M2 COLOR CRAFT	XTOOL M1 ULTRA
Speed	up to 600 mm/s	up to 400 mm/s
Laser working area	426 × 320 mm	300 × 300 mm
Positioning	2 cameras (5 MP panoramic + 2 MP close-up), ACS: automatic material detection, alignment and settings	camera + Pin-point Positioning
Colour printing	CMYK — true black, more vivid colours, a docking station protects the nozzles from drying out	colour inkjet module (no separate black)
Air assist	built in	optional accessory
Rotary engraving	RA3 Lite, up to Ø 100 mm, no riser base	RA2 Pro + riser base
Module swapping	magnetic mount, ~5 seconds	interchangeable modules
Infrared module	3 W (1064 nm)	2 W
Blade, pen, vinyl	not available	yes — 4 in 1

NEW · PRE-ORDERS OPEN

M2 or the new xTool X1?



The X1 is a professional multi-laser platform: a built-in 55 W CO_2 laser and a galvo head with a 20 W diode, interchangeable external sources (5 W UV, 30 W fibre, 60 W MOPA), Hybrid Motion™ up to 6,000 mm/s over a 615 × 320 mm area. It cuts through up to 20 mm of acrylic in a single pass. With the optional CMYK module it also prints in colour. It is designed for production and businesses with larger runs.

The X1 is 3–4× the price of the M2

	M2	X1
Purpose	workshop, classroom, making	professional production
Colour printing	CMYK + cutting (print & cut), built in	optional CMYK module (print area up to 475 × 300 mm)
Transparent acrylic, thick wood	no / up to 10 mm wood	yes — up to 20 mm acrylic
Working area	426 × 320 mm	615 × 320 mm
Metals, glass	metal marking (IR)	fibre / MOPA / UV
Complexity	low, quick start	higher
Investment	affordable	3–4× higher

Our advice: for most schools and small workshops the M2 is the more sensible investment — it covers 90% of everyday projects, has colour printing built in and is significantly easier to use. We recommend the X1 when you have regular larger orders, need CO_2 for transparent acrylic, or require professional metal processing.

SUPPORTING EQUIPMENT

Compatible accessories for safe and efficient work



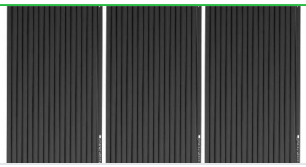
xTool SafetyPro AP2 recommended

6-stage filtration with SuperCyclone, automatic activation with the laser, filter life monitoring. The right choice for wood, MDF, acrylic and plastic.



M2 Exhaust Duct Adapter

Hose with an adapter for connecting the M2 exhaust to the AP2 — a tight seal, with no smoke leakage.
Code: P0103000143



M2 CleanCut Panel

3 mats + masking tape. Protects the base from scorch marks and scratches, improves smoke extraction and gives cleaner edges; also holds card, stickers, felt and thin leather.
Code: P0102000386



CMYK inkjet module + cartridges

For print & cut. A cartridge prints ~400 pages at 5% coverage (ISO).
Module P0102000239 · cartridge P0104001270



Additional laser modules

3 W IR (1064 nm) for marking metals — P0102000234
40 W diode module for faster, thicker cuts — **coming soon** P0102000233



RA3 Lite rotary attachment

Engraving around cylindrical objects up to Ø 100 mm.
Code: P0103000140

Why not a desktop air purifier? A desktop air purifier is adequate for occasional, lighter work (paper, card). For engraving and cutting **wood or plastic** we advise against it: the smoke is dense and resinous, the filter saturates quickly and the smell lingers in the room. For workshops and classrooms we recommend the **AP2 with the M2 Exhaust Duct Adapter**. The honeycomb mat and riser base from other models are not compatible with the M2 — use the **M2 CleanCut Panel**.

EXPERIENCES OF USERS AND REVIEWERS

"One of the easiest laser cutters I've ever used. Print-then-cut is the star of the machine — the cut followed the print with no noticeable offset."
CGMagazine · rated 8/10

"One of the smartest enclosed diode systems in this class. It works as a single product, not as a collection of add-ons."
Fauxhammer, M2 review

"Setup is surprisingly simple. xTool Studio is more like a smart camera on a phone than a complicated piece of software."
CGMagazine · Fauxhammer

Advantages

- printing + cutting + engraving in one enclosed machine
- precise camera alignment (~0.2 mm), automatic focus
- built-in air assist, cleaner cuts, fewer scorch marks
- quick setup, suitable for beginners and pupils
- larger area and faster work than the M1 Ultra

Limitations — good to know

- the diode laser does not cut transparent or white acrylic
- no blade or pen (vinyl cutting, drawing)
- no white ink; colours are softer on raw wood and prints are not washable
- the print area (300 × 294 mm) is smaller than the laser area
- limited object height; no emergency-stop button or key
- a closed ecosystem — no LightBurn support

When to choose another xTool model



xTool P3 (80 W CO_2) — transparent and white acrylic, thicker wood, larger runs and areas.



xTool F2 Ultra (MOPA + diode) — deep and colour engraving of metals, fast marking.



xTool F2 Ultra UV — glass, crystal, fine marking of plastic and electronics.

xTool C1 Color Cutter NEW — print, scan and blade-cut: vinyl, foil, stickers, fabric; washable textile ink.