

The background of the entire page is a dark charcoal grey. It features a series of diagonal lines in a lighter shade of grey, starting from the top right and extending towards the bottom left. These lines vary in thickness and are arranged in a way that creates a sense of depth and movement, resembling a stylized architectural or industrial design.

XTOOL

We Inspire Creation

Desktop laser cutters & engravers |
Smart fabrication tools | AI-powered software

xTool

xTool is a global leader in desktop laser cutters, engravers, and smart fabrication tools. Since 2020, xTool has empowered creators in over 62 countries, supported by 1200+ intellectual properties. xTool is transforming how people learn, create, and build—from classrooms to research labs, from garages to retail stores. Combining powerful technology with intuitive design, xTool makes advanced fabrication tools accessible to makers, educators, and entrepreneurs everywhere.

Sold in

62

Countries

Customer service available

24

Hrs

Over

1200+

Intellectual Properties

Endorsed by

3000+

Influencers Worldwide

The World's Choice for Creation

#1 laser engraver & cutter brand on Amazon

Data from Amazon, 2022-2024 GMS history.



Recognized by Global Media & Design Awards



reddot



EDISON AWARDS



GOOD
DESIGN



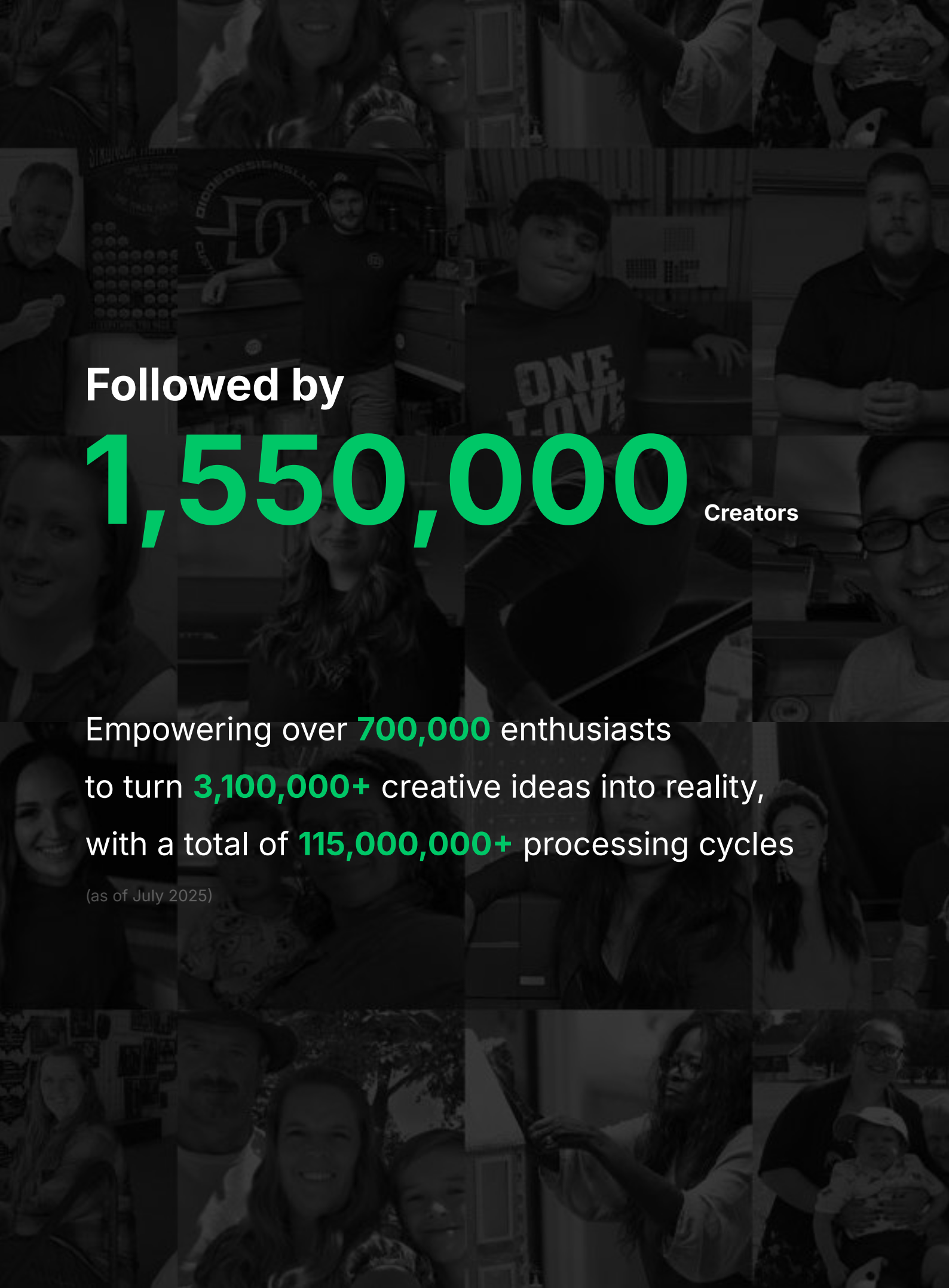
FASTCOMPANY



tom's HARDWARE

techradar

CNET



Followed by

1,550,000

Creators

Empowering over 700,000 enthusiasts
to turn 3,100,000+ creative ideas into reality,
with a total of 115,000,000+ processing cycles

(as of July 2025)

2020

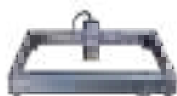
Brand Launch

- ✓ Founded with the mission: "We create to simplify creation."
- ✓ Set the focus on desktop smart laser cutters & engravers.

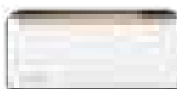
2021

Market Entry & Acclaim

- ✓ Launched the xTool D1 (entry-level diode laser engraver).



- ✓ Introduced xTool M1, the first hybrid laser + blade cutting machine.



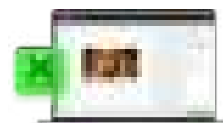
2022

Portfolio Deepening

- ✓ Expanded with xTool D1 Pro desktop laser engraver and xTool F1 portable diode engraver.



- ✓ Introduced **xTool Creative Space (XCS)** — the self-developed software that simplifies design and laser control for all creators.



- ✓ Validation: Became the top-selling laser cutter brand on Amazon (2022 GMS).

Our Brand Story

2023

Pro-Level Innovation

- ✓ Entered professional grade with the xTool P2 smart CO₂ laser (achieving over \$1M in sales in its first two hours).



- ✓ Released the xTool S1: The first 40W enclosed diode laser cutter.



- ✓ Launched xTool Screen Printer, pioneering laser and screen printing integration.



2024

All-in-One Solutions

- ✓ xTool F1 Ultra: The first 2-in-1 20W fiber and 20W diode laser machine.



- ✓ xTool M1 Ultra: The first 4-in-1 hybrid craft laser machine.



- ✓ xTool Heat Press: All-in-one kit with detachable workstation.



- ✓ SafetyPro™ AP2 air purifier: The first air purifier to utilize cyclonic separation technology.



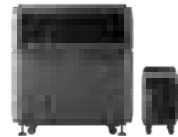
2025

New Frontiers & Global Expansion

- ✓ New category launch: xTool Apparel Printer (smart apparel printing solution).



- ✓ New category launch: xTool MetalFab (integrated laser welding, cutting & CNC metal machining).



- ✓ F2 Ultra (MOPA dual-laser) and upgraded xTool P3 smart CO₂ laser cutter.



- ✓ Building on xTool Creative Space, xTool Studio integrates AI-powered design and intelligent processing, setting a new benchmark for laser software.

- ✓ Launched Atomm, the leading craft community: tons of craft projects, a seamless integration of Creative Lab and Easyset, driven by Almake — the world's first AI Crafting Agent.



- ✓ Opened U.S. HQ in Mountain View, launched xTool Squad (350+ demo rooms across 65 countries).



- ✓ Initiated the "1% for the Makers" pledge, committing 1% of annual net profit to schools and non-profits.



1% for the Makers



At xTool, we believe creativity should be accessible to all. That's why we pledge to donate xTool products equivalent to 1% of our annual net profit each year — to schools, nonprofits, and community makerspaces worldwide. By giving back, we hope to fuel a global community where innovation and making never stop.



Together with xTool and the global Fab Lab network, we're unlocking creativity, expanding opportunity, and building a more inclusive and sustainable future for all.

 **fabfoundation**



We're excited to see xTool's innovative tools reaching more educators and makers. xTool is helping more people bring their ideas to life and inspiring the next generation of inventors.

Make:

Impact in Action:

True Stories from the Forefront of Making



Maker Nexus

Maker Nexus is expanding workshop offerings and lowering the barrier to entry for aspiring creators and local entrepreneurs.



MIT Center for Bits and Atoms (MIT CBA)

With xTool-donated MetalFab and F2 Ultra, MIT CBA has created numerous innovative case studies, showing how cutting-edge technology can make hands-on creation easier and more accessible than ever before.



Black Horse Forge

Black Horse Forge uses xTool machines to provide therapeutic and skill-building opportunities for veterans and first responders.



Fab-in-a-Box

Fab Foundation brings xTool laser cutters directly to underserved schools, turning any classroom into a pop-up lab where kids can bring their dreams to life through laser cutting.

Inspiring User Stories

@Megan Keddell

My name is Megan Keddell — a wife, mother of two, and small business owner. Starting my business helped me reconnect with my creativity, and using the S1 has been an amazing experience. I encourage every mom to chase their dreams and reclaim a piece of themselves.

Side Hustler



@Melissa LeBaron

I'm Melissa LeBaron, and I have wonderful support from my family. They see how excited I get when creating new projects with my xTool. My son thinks it's really cool and loves it when I cut something for the first time and put it together. It's fun to watch his excitement when he receives those creations.

DIY Enthusiast



@PaulHogan

xTool lasers offer great quality, ease of use, and outstanding support. I use them in workshops and events for individuals with Down syndrome and autism, creating soccer trophies, special gifts, and custom items for charities.

Charity Supporter





xTool Squad program

xTool Squad is a global community of passionate hosts providing hands-on demos, machine commissioning, and maintenance services. Our mission is to bring xTool machines closer to users, allowing them to experience machine in person, receive expert guidance, and get local support before and after purchase.



Commissioning Service

Get support from our team for the installation and commissioning of newly purchased machines.



Material Test

Master the ideal settings for diverse materials--learn how to achieve perfect cuts, engravings.



Machine Training

Learn how to properly use this machine and learn the best practices powered by hosts.



Pre-Sale Product Demo

See and be guided by your nearby hosts to test if the machine meets your needs.



xTool Squad Network

Today, xTool Squad comprises over 350 hosts providing services across more than 65 countries, including the USA, Germany, France, the United Kingdom, Australia, and many others.

Cities Covered

65

Countries

Chosen by

350+

Host

Service Orders

2400+

Hosts Score

4.95



We Are.

Innovative

Pioneering a new era of personalized creation with continuous technological breakthroughs.

Empowering

Empowering makers with versatile tools and resources, enabling them to bring their dreams to life.

Authentic

Listening to our users, staying connected with them, and providing seamless support every step of the way.

Intuitive

Simplifying creation processes, making technology accessible to all.

We Inspire Every Dreamer Every Field

Small Business

For jewelry customization, craft fairs, and event planning.



DIY

For your me-time, gift-making, and home decor projects.



Retail

Empower retail experiences with on-site customization.



Education

Perfect for K-12, universities, libraries, and museums.

CO2 **S**mart Laser Series

For Professional Studios & SMB Production

xTool P3

Flagship 80W CO2 Laser Cutter with
Intelligent Automation



The Apex of Desktop Laser Performance

P3's 80W CO2 laser cuts 20mm wood and 25mm acrylic. It reaches a maximum processing speed of 1200mm/s. The 915x458mm work area handles large-scale projects. P3 also has 3 switchable focal lenses for finer engraving and thicker cutting.



Switchable Focal Lenses



36" x 18" Working Area



80W Power

This extreme capability is secured by next-level safety, including active fire detection by 2 side cameras & multiple sensors and a built-in CO2 cylinder for flame suppression within a Class 1 safety design. Run jobs with confidence as the system protects your projects and workspace.



Class 1 Design



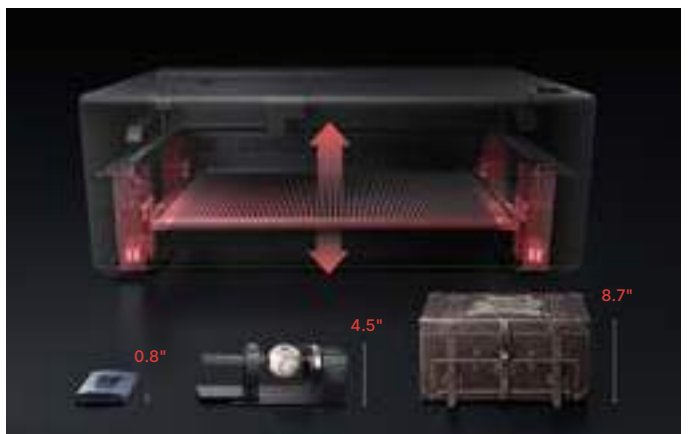
Multi-Layered Safety

ACS™-Pioneering the Future of Automated Creation

Introducing xTool's exclusive Automated Creation System™ workflow. The dual-camera synergy (SkyView Camera and Close-Up Camera) provides precise auto-positioning, while the LiDAR and AutoLift Base deliver flawless auto-focus. The entire process now flows in one seamless motion.



Dual Camera Synergy



Auto-Lift Base

The Smartest and Most Comprehensive Accessories

Unlock Metal Processing with a 5W Infrared laser module. P3 can easily swap in a 5W Infrared Laser Module to unlock metal and plastic engraving. You can engrave your most detailed designs onto metal and plastic surfaces, turning everyday items into timeless keepsakes. (5W laser module sold separately.)



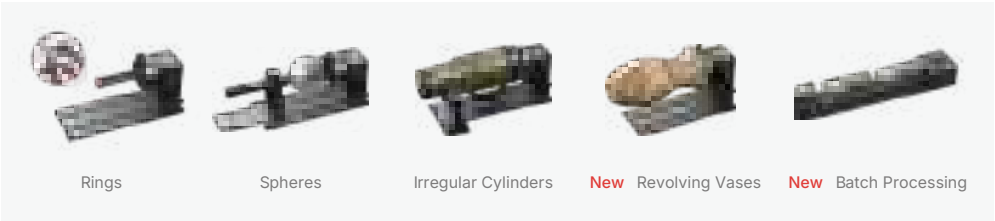
New Released Rotary Attachment 3



3D Modeling Preview

With RA3, rotary engraving has never been easier. The revolutionary MagSwap™ design delivers an effortless, tool-free setup in seconds.

In parallel, the 360° LiDAR Mapping™ creates a perfect 3D preview, letting you visually confirm your design's alignment before engraving.



New Released Intelligent Conveyor Feeder

The Intelligent Conveyor Feeder makes creating ambitious projects like signage and furniture incredibly efficient by eliminating the tedious manual setup and guesswork. Simply place your material and align your design on the preview; the system handles the rest, from automatically clamping and homing the material to final processing.



Suspended Rail, No Extra Table Needed



Auto Clamp Material



AI Seamless Tiling Preview



Auto-Homing & Processing

SafetyPro™ AP2 Max Purifier

The industrial-grade AP2 Max purifier provides strong filtration for heavy-duty laser cutting. Engineered with a 7-layer filter and SuperCyclone technology, the AP2 Max removes hazards at the source with its powerful 700 m³/h airflow. Breathe easy and create with complete peace of mind.





Specifications

xTool P3

Processing Capacity	Laser Type	80W CO2 Laser + 5W IR Laser (Optional)
	Supported Materials	Wood, Acrylic, Fabric, Leather, Metal, Glass, Bamboo and More
	Working Area	36" × 18" (915 mm × 458 mm)
	Max. Working Speed	47.2 ips (1200 mm/s), X-axis Acceleration 19 600 mm/s ²
Easy Operation & Accuracy	Pre-assembled	Yes
	ACS™ (Automated Creation System™)	Autofocus, Dual-Camera Positioning, Auto LiDAR Ranging, and an Auto-Lifting Base
	Built-in Camera	16 MP SkyView Panoramic Camera + 5 MP Close-range Camera + Side Camera × 2
	Positioning Method	Dual-Camera Positioning (precision up to 0.2mm)
	Accuracy	Positioning Precision: 0.2 mm, Camera Motion Accuracy: 0.00039" (0.01 mm)
	Focus Mode	Autofocus
	Ranging System	LiDAR Ranging System
General Information	Safety Certification	Class 1 Laser Safety
	Product Dimensions	49.2" × 30.7" × 19.5" (1250 mm × 780 mm × 496 mm)
	Product Weight	231.5 lb (105 kg)

Scan the code for
product info & resources



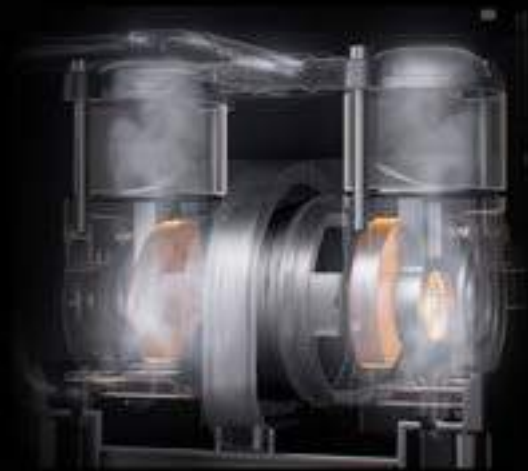
xTool P2S

Best Desktop 55W CO2 Laser Cutter



Enhanced Airflow & Precision Cutting

The industry-first dual-cylinder air pump doubles airflow stability and delivers up to 200 kPa of pressure, enabling cleaner and more precise cuts. Simultaneously, a 14,000 RPM brushless motor drives the dual-fan system. Operating like a powerful vacuum cleaner with a dual-action mechanism, it achieves a remarkable 200% improvement in exhaust efficiency.



Quick Alignment & Effortless Maintenance

Achieve precise optical path alignment in just 5 minutes, even for beginners, using our Alignment Indicator. Daily maintenance is equally effortless: peel and rinse the magnetic filter screen, remove fans with the quick-release button, and enjoy mistake-proof mirror installation after cleaning. These optimized features reduce maintenance time from hours to minutes.



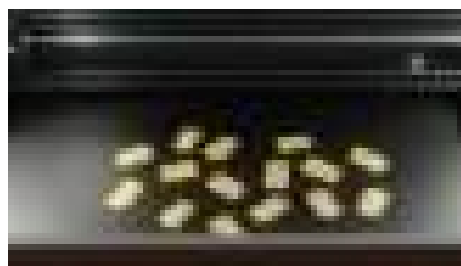
Smarter 3D Engraving & Batch Customization

The P2S upgrade enables batch production with variable designs—including serial numbers, custom images, and varied names—dramatically boosting engraving efficiency while reducing uniformity. Additionally, it achieves significantly enhanced precision through accurate 3D modeling for curved cylinder engraving.



Accelerated Engraving with Optimized X-Axis

The upgraded X-axis motor delivers up to 40% faster engraving speeds compared to the P2, according to xTool lab test data. This acceleration is especially effective for slender or linear designs, though actual results may vary depending on material and project complexity.



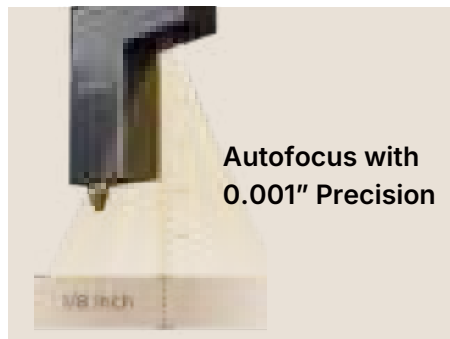
Cut Through Thick Materials Like Butter

The xTool P2S's higher 55W power and superior absorption rate enable it to effortlessly cut through thick materials like 20mm acrylic and 18mm black walnut, as well as 100+ other materials in a single pass, achieving optimal cutting results.



16MP Dual HD Camera: Instant Preview, Flawless Positioning

With the xTool P2S's 16MP dual cameras, you can enjoy distortion-free full-area previews from the panoramic camera and precise high-definition details from the close-range camera, enabling quick and accurate positioning, thus reducing both time and material waste.



Streamlines repeat tasks, shortens turnaround, and boosts throughput for makers and small businesses.

xTool P2S packs a 26" × 14" (680 × 360 mm) bed and a 23.6" × 12" (600 mm × 305 mm) processing area for larger layouts and multi-piece jobs in one setup—plus 600 mm/s speeds, smart batch processing, and AutoPassthrough™ Technology for materials up to 118" (~3 m)—delivering faster, cleaner throughput.





Specifications		P2S	
Processing Capacity	Laser Type	55W CO2 Laser	
	Processing Mode	Laser Cutting	Laser Engraving
	Supported Materials	Laser Cuttable: Wood, Acrylic, Fabric, Leather	
	Working Area	23.6" × 12" (600 mm × 305 mm)	
	Max. Working Speed	23.6 ips (600 mm/s), X-axis Acceleration 6400 mm/s ²	
	Max. Laser Cutting Capacity	Basswood: 0.71" (18 mm) in ONE PASS Acrylic: 0.79" (20 mm) in ONE PASS	
Easy Operation	Built-in Camera	16 MP Close-range Camera + 16 MP Panoramic Camera	
	Focus Mode	Autofocus	
	Ranging System	LiDAR Ranging System	
	Preview Method	Smart Camera Preview	
Accuracy & Precision	Laser Spot Size	0.0059" × 0.0079" (0.15 mm × 0.2 mm)	
	Image Resolution	1000 DPI	
	Motion Accuracy	0.00059" (0.015 mm)	
General Information	Safety Certification	Class 4 Laser Safety	
	Product Dimensions	39.4" × 25.1" × 10.6" (1000 mm × 639 mm × 268 mm)	
	Product Weight	99.21 lb (45 kg)	
	Max. Machine Input Power	700 W	
	Power Adapter Input Voltage	100 V - 120 V, AC 50/60 Hz	

Scan the code for
product info & resources

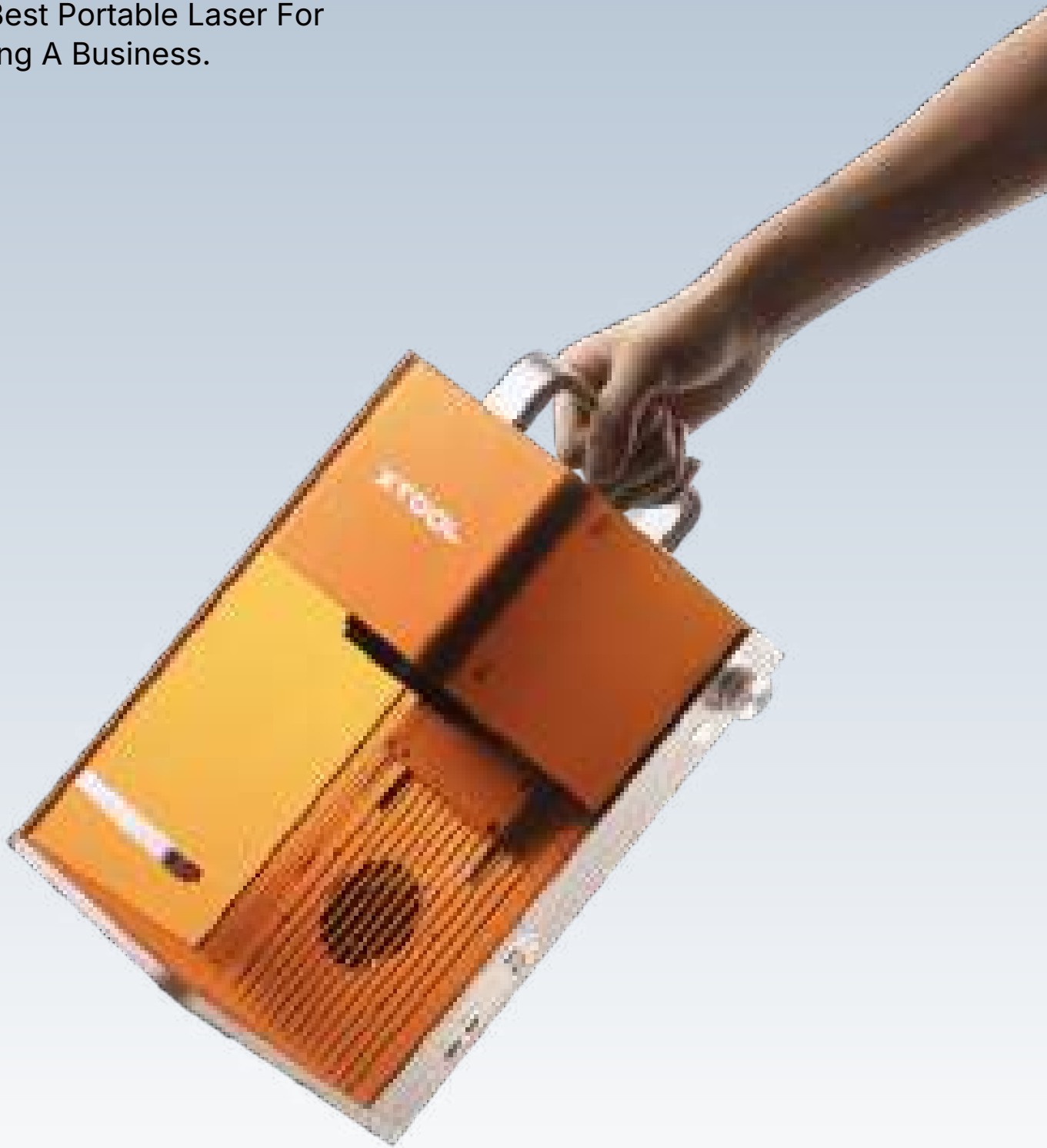


Desktop Diode Laser Engravers & Cutters

For Creative Makers

xTool F2

The Best Portable Laser For
Starting A Business.



The Most Powerful Portable Dual Laser

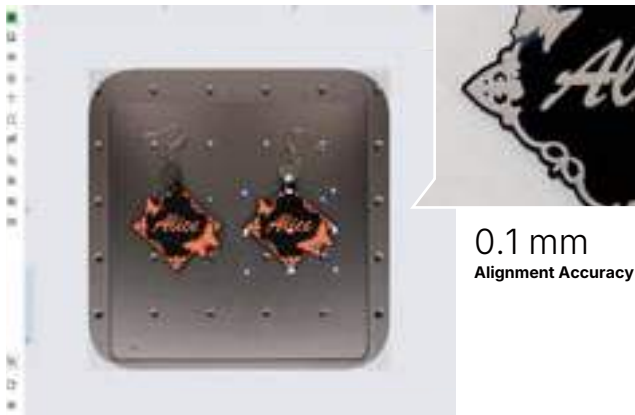
xTool F2's 15W diode and 5W infrared lasers let you engrave over 300 materials with precision and speed. 5W infrared laser delivers darker, finer metal engravings, while 15W diode laser cuts thick wood and acrylic with ease—even creating wood and stone reliefs. Create more, faster, and easier than ever.



Revolutionary 50MP Smart Camera Simplifies Your Workflow

Always Align Perfectly on the First Try

F2's 50MP camera visualizes your workspace with 0.1 mm precision, ensuring perfect alignment and less waste every time.



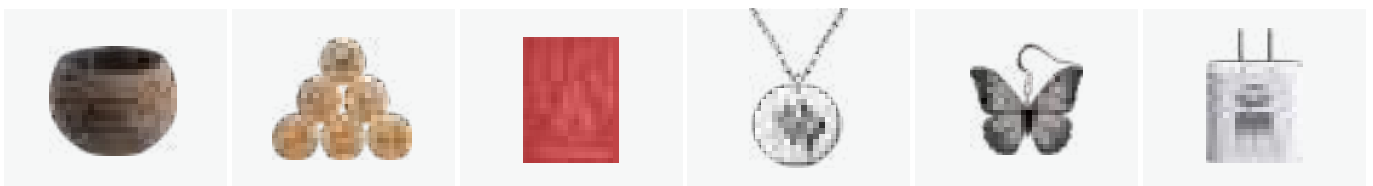
Extended Workspace, Fully Visualized

F2 extends visualization to the Slide Extension, merging the bed and extended area into one seamless preview for effortless, precise placement.



Speed up to 6000mm/s Fastest of Its Kind

xTool F2 engraves at up to 6000 mm/s — 50% faster than before. Complete custom orders in minutes and boost efficiency at craft fairs, pop-ups, and in-store events.



Coconut

Time: 32s /pcs
Size: 32mm × 50mm

Bottle cap

Time: 21s /pcs
Size: 33mm × 40mm

Festival Card

Time: 3s /pcs
Size: 71mm × 95mm

Necklace

Time: 49s /pcs
Size: 13mm × 13mm

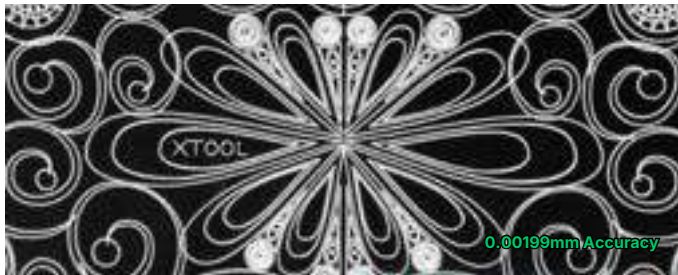
Acrylic Earrings

Time: 18s /pcs
Size: 30mm × 38mm

Charger

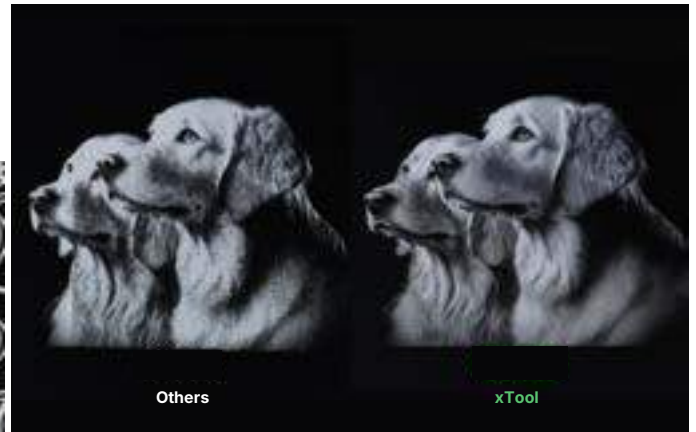
Time: 13s /pcs
Size: 25mm × 30mm

High-Resolution Engraving 100% Reprint Accuracy



Ultra-fine Engraving Lines for Breathtaking Details

Zoom in and the precision holds. Showing ultra-fine, uniform lines with clean edges.



Engraving Every Photo Clearly and Vividly

Compared with others, F2 delivers visibly cleaner micro-contrast—crisper fur texture, punchier highlights, and richer shadows.

Expand Your Engraving Possibilities

Portable and HandHeld

Compact and lightweight, F2 travels anywhere with you, from your studio to outdoor fairs. Engrave any shape, at any angle, freely and effortlessly.



4X Expand Your Working Area

Fast & Easy Process. Long enough to do all the projects. It helps you achieve batch production and improve efficiency.



Make Any Round Surface Your Canvas

Suitable for daily use cylinders and spheres, such as tumbler, mug, Christmas ball, ring, etc. Plus, unlock full-wrap engraving.

Safe Yet Powerful Boost All Types of Business

F2's fully enclosed design blocks smoke and laser leakage for a clean, safe experience anywhere — in stores, studios, offices, or at home. Perfect for instant, on-site customization that boosts sales and foot traffic.



Add Style to Your Home



Custom Your Products on Demand



Personalized Jewelry Creation



Stand Out at Craft Fair



Specifications

xTool F2

Processing Capacity	Laser Type	15W Diode Laser+ 5W 1064nm Infrared Laser	
	Processing Mode	Laser Engraving	Laser Cutting
	Supported Materials	Paper, Wood, Leather, Some Dark Opaque Acrylic, Plastic, Gold, Silver Platinum, Brass, Stainless Steel, etc.	
	Working Area	4.53" × 4.53"(115mm × 115mm) 15.75" × 4.53"(400mm × 115mm) with Extension	
	Max. Working Speed	236.22ips (6000mm/s)	
	Max. Laser Cutting Capacity	0.59"(15mm) Basswood in Multiple Pass 0.47"(12mm) Acrylic in Multiple Pass	
Easy Operation	Built-in Camera	50 MP Smart Camera	
	Positioning Method	Camera Positioning	Framing Positioning
	Focus Mode	Auto Focus	Manual Focus (Two dots alignment)
	Preview Method	Smart Camera Preview	High-speed Light Live Preview
	Supported Software	xTool Studio	
Smart Software	Operating System	Windows/macOS	
	Connection Method	Wi-Fi/USB/IP	
	Supported Files	SVG/DXF/JPG/JPEG/PNG/BMP, etc.	
Accuracy & Precision	Laser Spot Size	15W Diode Laser: 0.00315" × 0.00236" (0.08mm × 0.06mm) 5W Infrared Laser: 0.00118" × 0.00118" (0.03mm × 0.03mm)	
	Motion Accuracy	0.000078" (0.00199 mm)	
General Information	Max. Machine Input	24V 6.0A 150W	
	Product Weight	10.14 lb (4.60kg)	
	Product Dimensions	6.89" × 9.33" × 13.15" (175mm × 237mm × 334mm)	
	Safety Certification	Class 4 Laser Safety	

Scan the code for
product info & resources



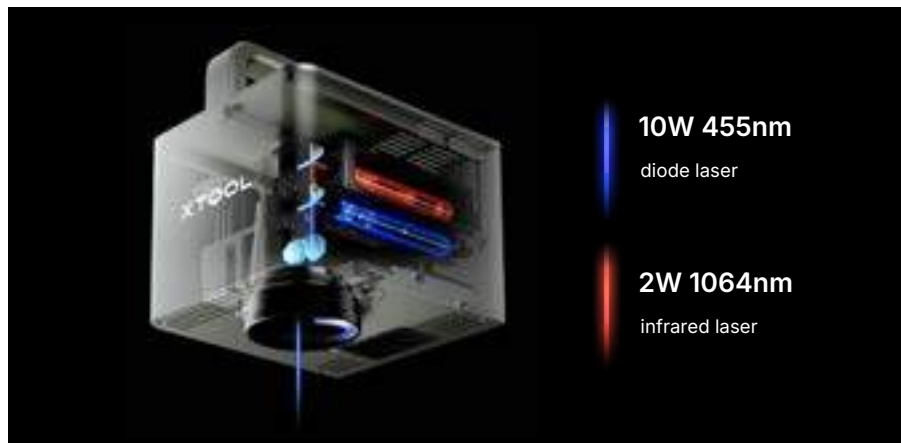
xTool F1

Fast & Portable Entry-Level
Laser Engraver



What's xTool F1

xTool F1 is the world's first laser engraver integrating a 2W 1064nm infrared laser with a 10W 455nm diode laser. It can engrave at a maximum speed of 4000mm/s, allowing you to finish a project in the blink of an eye.



Two Powerful Lasers in One Machine

Work on regular materials and most metal



Enclosed Design, Extra Safety

Protect your eyes and hands



Two-Step Focus Live Engraving Preview



Desktop Smoke Purifier for Indoor Engraving

Multiple Devices Adapted

Windows / macOS

Enabling you to prepare your engraving projects anytime, anywhere.



Multiple Ways of Engraving



Flat engraving



Handheld engraving



360° rotary engraving

From Fun to Success



For Engraving Right on the Spot

With a small laser engraver as portable as xTool F1, you can bring it to the fair, party or anywhere you want to go. Safe and speedy, xTool F1 can perform engraving right in front of everyone, and generate no smoke or cause laser light harm. It will totally surprise people with its fast and precise engraving.



For DIY hobbyists

Bring your crafting ideas into life in a blink of an eye. That's what you can do with xTool F1. With its abilities to engrave photos and designs on paper cards or metal jewelry, xTool F1 is perfect for laser starters who love to create. The machine is preassembled, and smart to use. Easy to operate but powerful in functionalities.



For Craft Fair/Flea Market Customization

Use xTool F1 to engrave unique signs for your customers, adding special memory to the merchandise. Customers can choose what they want to engrave on your device and it can finish the engraving in seconds.



Specification

xTool F1

Laser type	10W diode laser	2W 1064nm infrared laser
Product size	179mm*235mm*334mm	
Product weight	4.6kg	
Accuracy	Movement accuracy: 0.00199mm/Repeat positioning accuracy: 0.000248mm	
Working area	115*115mm rounded rectangl/ Expandable to 400*115mm with accessories	
Preview	Rect	Outline
Preview speed	12000mm/s	8000mm/s
Up to working speed	4000mm/s	
Applications	xTool Studio	Lightburn
Connection	WiFi	USB
Support file	SVG / DXF / JPG / JPEG / PNG / BMP,etc.	
Support systems	Windows / macOS	
Max Input	24V 5A	
Product Dimensions	7.05" × 9.25" × 13.15" (179mm × 235mm × 334mm)	

Scan the code for
product info & resources



xTool S1

World's 40W
Enclosed Diode Laser Cutter





What is xTool S1

xTool S1 is the world's first 40W enclosed diode laser cutter. With various laser modules and an expansive accessory matrix, it fulfills diverse DIY requirements, unlocking endless creative possibilities for users.



AutoPassthrough™
**Expand Your Working
Area with Ease**



3D Curve™
**Perfect Curved
Engraving**



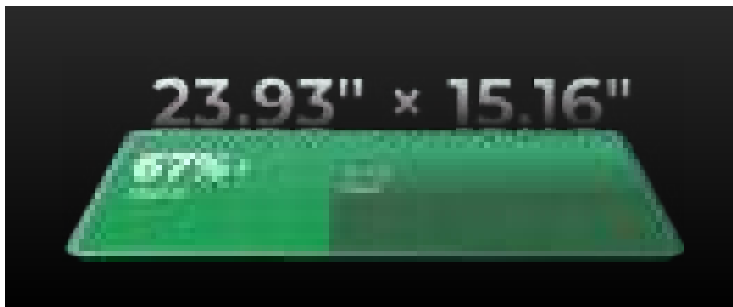
Pin-point Positioning™
**One-pass Engraving
Success, Zero Waste**



**Switchable Laser Modules,
Master Every Scenario**

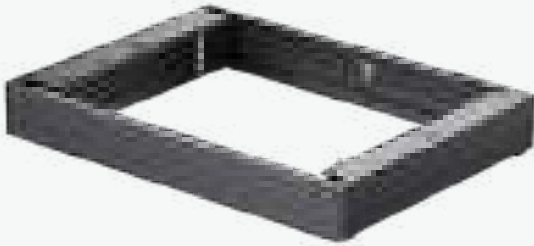


RA2 Pro
Flawless 4-in-1 Rotary Engraving



Max Work Space
Create Big, Create More

From Fun to Success



xTool S1 Riser Base

Significant upgrade on engraving thickness, assembled with the Automatic Conveyor Feeder, it provides the automatic passthrough for precision and convenience when engraving and cutting extra-large materials.

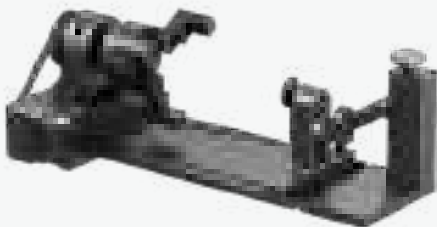
Smart Air Assist

The air assist automatically adjusts the size of the air flow according to the processing status to achieve the best results, helping to process and create perfect results.



Clear Air : Purify as you create

Choose the 150m³/h AP2 for desktop laser machine or the 700m³/h AP2 Max for industrial-grade laser cutter. Unrivaled dust and odor removal, engineered for all laser users.



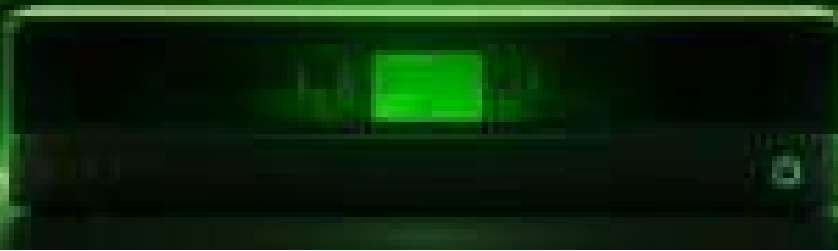
RA2 Pro

The world's first 4-in-1 rotary engraving module, from home to outdoors, from party to sport, RA2 Pro suitable for 90% daily use cylinders and spheres. Make unique wedding wine glasses and custom jewelry.



S1 Honeycomb Panel

The honeycomb and 5mm anti-slip pads facilitate air circulation and less temperature carbonization and better smoke diffusion. Easy to secure the materials firmly to the panel for precise alignment.



Specifications

xTool S1

Model	xTool S1 40W Laser Machine	xTool S1 20W Laser Machine	xTool S1 10W Laser Machine	xTool S1 2W IR Laser Module
Laser Power	40W	20W	10W	2W
Spot Size	0.08 × 0.10 mm	0.08 × 0.06 mm	0.06 × 0.04 mm	0.03 × 0.03 mm
Working Speed	600 mm/s	600 mm/s	600 mm/s	600 mm/s
Working Area	19.6" × 12.5" (498 × 319 mm)	19.6" × 13" (498 × 330 mm)	19.6" × 13" (498 × 330 mm)	19.6" × 13" (498 × 330 mm)
Working Area with Automatic Conveyor Feeder	18.5" × 118" (470 × 3000 mm) Additional transmission rail is required	18.5" × 118" (470 × 3000 mm) Additional transmission rail is required	18.5" × 118" (470 × 3000 mm) Additional transmission rail is required	18.5" × 118" (470 × 3000 mm) Additional transmission rail is required
Output Voltage	25V 11A	24V 8A	24V 8A	/
Connection Way	USB/Wi-Fi	USB/Wi-Fi	USB/Wi-Fi	USB/Wi-Fi
Software	xTool Studio/Lightburn	xTool Studio/Lightburn	xTool Studio/Lightburn	xTool Studio/Lightburn
Product Weight	20KG	20KG	20KG	560G
Product Size	30.12" × 22.09" × 7.2" (765 × 561 × 183 mm) Excluding riser base 30.12" × 22.09" × 10.55" (765 × 561 × 268 mm) Including riser base	30.12" × 22.09" × 7.2" (765 × 561 × 183 mm) Excluding riser base 30.12" × 22.09" × 10.55" (765 × 561 × 268 mm) Including riser base	30.12" × 22.09" × 7.2" (765 × 561 × 183 mm) Excluding riser base 30.12" × 22.09" × 10.55" (765 × 561 × 268 mm) Including riser base	4.49" × 2.80" × 3.04"(114 × 71.15 × 77.2 mm)

Scan the code for
product info & resources



xTool M1 Ultra

World's First 4-in-1 Craft Machine



Why xTool M1 Ultra is the Best Choice?

The Ultimate 4-in-1 Craft & DIY Machine

Laser, inkjet, blade, and pen modules with 9 processing methods. Meets all crafting needs.



Laser Mode
Diode Laser for
Engraving and Cutting



Blade Mode
Versatile Tools
for Cutting and Foiling



Inkjet Mode
Vivid Ink for Colorful
Printing



Pen Mode
Various Pens for Auto
Drawing & Writing

Smart Combos, Simple Success

3 seconds is all you need to switch processes with Easy Swap™ Design. No more jumping to devices - get your work done with ultimate efficiency and precision.



Colorize Your Laser World



Mixed-media with Ease



Ink Beyond Paper

For Occasions All Year Round

Whether you're crafting personalized gifts, designing home decor, or preparing for life's milestones, M1 Ultra is your creative companion for every occasion.



Home decoration



Event Personalization



Gift Making

Transform 1,000+ Materials into Masterpieces

From soft to hard, thin to thick, and flat to 3D curved surfaces, the M1 Ultra is designed to meet all your crafting needs. It offers 3 times the material compatibility of typical vinyl cutters or single-mode laser engravers, opening up countless crafting possibilities.



One Machine Does It All

M1 Ultra is way more valuable to start an artistic small business, offering versatile crafting options with just one machine.



Create Heartfelt Moments In Holiday Season

From personalized door signs and custom greeting cards to unique clothing and holiday decor, M1 Ultra is here to help customize every item in your life.



Specification

xTool M1 Ultra

Laser type	20W/10W Diode Laser
Processing Mode	Laser Cutting Laser Engraving Inkjet Printing Blade Cutting Foiling
Supported Materials	Laser Cuttable: Wood, Dark Opaque Acrylic, Paper, MDF, Leather Blade Cuttable: Paper Cardstock, Vinyl, PVC, Leather Laser Engravable: Wood, Dark Opaque Acrylic, Leather, Stainless Steel, Plated Metal Inkjet Printable: Paper, Cardstock, Wood, Canvas, Acrylic
Working Area	Laser Mode/Blade Mode/Pen Mode: 11.8" x 11.8" (300 mm x 300 mm) *11.61" x 11.61" (295 mm x 295 mm) for cutting blade Inkjet Mode: 11.7" x 11.3" (296 mm x 286 mm)
Max. Working Speed	15.75 ips (400 mm/s)
Max. Laser Cutting Capacity (Basswood)	20W: 0.39" (10 mm) in ONE PASS 10W: 0.24" (6 mm) in ONE PASS
Max. Laser Cutting Capacity (Acrylic)	20W: 0.31" (8 mm) in ONE PASS 10W: 0.20" (5 mm) in ONE PASS
Max. Blade Cutting Capacity	Fine-point Blade: 0.06" (1.5 mm) Cutting Blade: 0.10" (2.5 mm)
Max. Processing Height	Laser Mode: With Riser Base: 4.92" (125 mm) Without Riser Base: 1.06" (27 mm) Inkjet Mode/Pen Mode/Blade Mode (Foiling): With Riser Base: 5.43" (138 mm) Without Riser Base: 0.79" (20 mm)
Max. Rotary Engraving Diameter	With Riser Base: 0 - 3.90" (0-99 mm)
Safety Certification	Class 1 Laser Safety (TÜV SÜD Certified)

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Fiber & UV Laser Series

For Advanced Customization

xTool F2 Ultra UV

The Ultimate Laser for Ultra-Precise Engraving.



Mastering Glass Inside and Out

F2 Ultra UV unlocks the unique capability to precisely process glass and other transparent materials. From 3D subsurface engraving to embossing, cutting, rotary engraving, and batch engraving — each technique flawlessly transforms materials into high-quality, long-lasting masterpieces.



Ultimate Versatility One Machine

As the ultimate multi-material laser, F2 Ultra UV does what others can't — delivering fine detail even on crystal, ceramic, acrylic, agate, and more, offering the widest material compatibility ever.



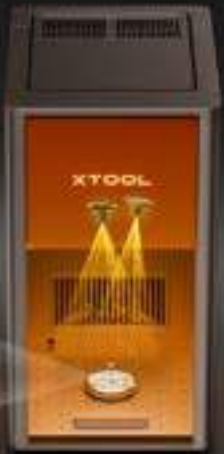
UV Power Unmatched Performance

A fully integrated smart system drives this performance. Equipped with dual 48 MP cameras and our all-in-one 2D to 3D software, it delivers true < 10 µm precision and a perfect, burn-free finish.

Dual 48MP
Cameras

Micron-Level Precision
<10µm





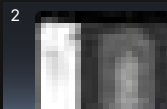
2D to 3D
Text to 3D

All-in-One Software

1

2

3



No Charred
Edges

One Step to
Flawless Results

OTHER

UV laser

Premium Quality & Maximum ROI

- Larger:**
Dual Lenses for Surface & Subsurface Engraving.
- Faster:**
15,000 mm/s Speed for Over 50% More Efficiency.
- Smarter:**
Conveyor-batch, rotary, and curved-surface engraving.
- Safer:**
Fully Enclosed, UV-Shielded Design.



Event Planner

Master 3D inner glass engraving with a flawless, burn-free finish

In-Store Brand

Enable instant personalization via dual 48 MP cameras and 15,000 mm/s speed

Niche Creator

Unlock multi-material versatility and micron-level precision to maximize your ROI



Specifications

xTool F2 Ultra UV

Processing Capacity	Laser Type	5 W 355 nm UV Laser	
	Processing Mode	Laser Engraving	Laser Cutting
	Supported Materials	Laser Engravable: Glass, Crystal, Acrylic, Wood, Metal, Leather, Plastic, Rubber, Silicone, Ceramic and more Laser Cuttable: Paper, Wood, Plastic, Glass, Fabric, Leather and more	
	Working Area	7.9" × 7.9" Surface Engraving (200 mm × 200 mm) 2.8" × 2.8" Inner Engraving (70 mm × 70 mm) 7.9" × 19.7" with conveyor (200 mm × 500 mm)	
	Max. Working Speed	590.55 ips (15,000 mm/s)	
	Max. Laser Cutting Capacity (Basswood)	0.59" (15 mm) in Multiple Passes	
	Max. Laser Cutting Capacity (Acrylic)	0.47" (12 mm) in Multiple Passes	
	Max. Processing Height	5.9" (150 mm)	
Easy Operation	Built-in Camera	48 MP Dual Cameras	
	Preview Method	Smart Camera Preview	High-Speed Light Live Preview
Accuracy & Precision	Laser Spot Size	0.01 × 0.01 mm	
	Motion Resolution	0.00005" (0.00133 mm) (Inner Engraving)	
	Vector Fitting Resolution	0.00004" (0.001 mm)	
General Information	Safety Certification	Class 4 Laser Safety	
	Machine Dimensions	11.6" × 16.9" × 20.5" (294 mm × 429 mm × 520 mm)	
	Machine Weight	49.6 lb (22.5 kg)	
Smart Software	Supported Software	xTool Studio	
	Operating System	Windows/macOS	
	Supported Files	2D: SVG, DXF, JPG, JPEG, GIF, PNG, BMP and WEBP 3D: STL, OBJ, AMF, 3MF, GLB, PLY	

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xTool F2 Ultra

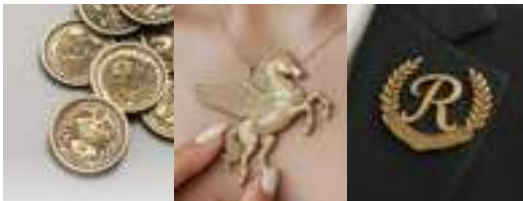
First 60W MOPA + 40W Diode Dual Laser with AI



The Most Powerful Dual Laser with AI

F2 Ultra is a powerful dual-laser engraver and cutter (60W MOPA + 40W Diode) — a true all-in-one solution for all materials. The 60W MOPA laser enables advanced techniques like color engraving, embossing, and thick metal cutting with precise control. 40W diode laser enables finer processing of non-metal materials and cuts thicker materials effortlessly. AI takes it further by streamlining every part of your workflow — making production faster, smarter, and more efficient.

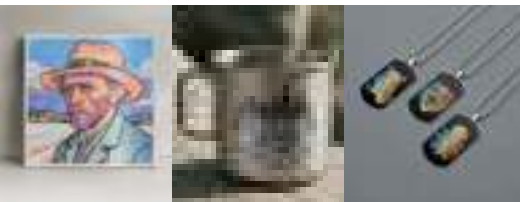
Cut & Emboss on Metal



Other applications

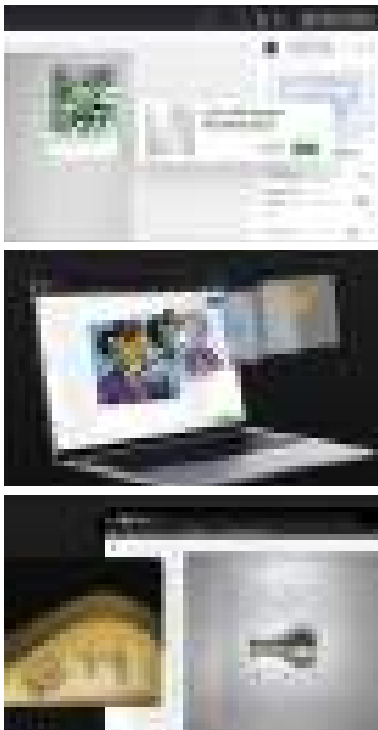


Color Engraving



The First AI-Powered MOPA Laser, Simplifies Laser to the Max

AI drives the entire process with one click — from material detection to parameter settings and live preview, every step is streamlined. Equipped with two 48MP cameras, F2 Ultra delivers 0.2 mm accuracy — 60% better than single-camera systems.



Auto-ID Materials for Best Settings

AI Color Recognition & Auto Segmentation

AI Modeling Powers 3D Engraving

The Ultimate ROI Machine, Built for Your Business

Faster:

15,000 mm/s engraving speed for higher output.

Larger:

220×500 mm conveyor workspace for large projects.

Smarter:

Batch processing for industrial-grade efficiency.

Safer:

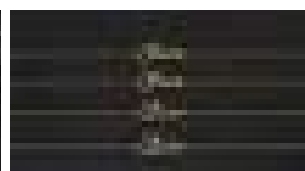
Fully enclosed with filtration for clean, worry-free use.



120 pcs/hour
Wooden Keychain



180 pcs/hour
Glass Perfume Bottle



12 pcs/hour
Metal Necklace



Jewelry Maker

Create stunning jewelry with deep metal engraving, embossing, and metal cutting



Shop Owner

Easily personalize all materials with safe, enclosed design and friendly controls.



Craft Seller

15,000 mm/s batch engraving with conveyor in a safe, enclosed design.



Metalworker

60W MOPA can easily achieve vibrant color engraving, true black marking, 3D embossing, and cut thicker metals. It only takes 6 minutes to cut a 1 mm brass name necklace.



Specification

xTool F2 Ultra

Laser type	F2 Ultra Dual Laser: 60W MOPA & 40W Diode F2 Ultra Single Laser: 60W MOPA Only
Weight	F2 Ultra Dual Laser: 21.6kg F2 Ultra Single Laser: 20.8kg
Processing Mode	Laser Engraving & Laser Cutting
Supported Materials	Stainless Steel, Brass, Aluminum, Wood, Leather, Acrylic, Paper & More
Max. Laser Cutting Capacity	2mm Metal/23mm Basswood/20mm Acrylic in Multiple Passes
Max. Working Speed	15,000 mm/s
Working Area	220 mm × 220 mm, 220 mm × 500 mm with conveyor
Built-in Camera	48 MP Dual Cameras
Preview Method	Smart Camera Preview
Accuracy	Positioning Precision: 0.2 mm, Motion Accuracy: 0.00482 mm
Product Size	294 mm x 429 mm x 521 mm
Supported Software	Atommm & xTool Creative Space
Operating System	Windows & macOS

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product info & resources



xTool F1 Ultra

World's First 20W Fiber & 20W Diode
Laser Engraver



Safe in All Aspects



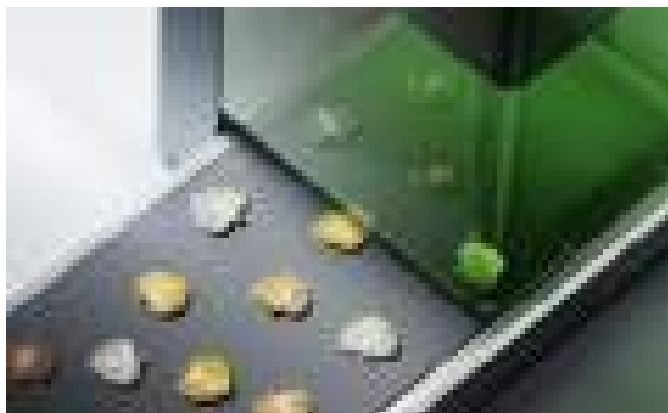
Engineered for Safety and Compliance

The fully enclosed, laser-light-proof cover protects against both 455nm diode and fiber laser emissions. An integrated extraction fan automatically removes smoke during operation, ensuring safe storefront use. Safety features include an emergency stop button, fire alarm, and leading software integration.



Dual-Laser Power for Any Project

The F1 Ultra laser engraver integrates both a 20W fiber laser and a 20W diode laser. It can cut thin metals including 0.4mm brass, 0.3mm stainless steel, and 0.2mm aluminum. For non-metals, it cuts up to 15mm wood and 12mm acrylic. Both lasers enable fast color engraving on metal, and the system is powerful for embossing, relief work, and cutting on materials like metal and wood.



Streamlined for Scalable Production

The system features Auto Streamline™ technology for effortless large-scale production. Simply place materials on the conveyor—the camera automatically identifies their shape while xTool Studio software ensures precise engraving on every piece. It achieves record-breaking speeds up to 10,000mm/s across nearly all materials.



Pushing the Boundaries of Laser Innovation

Featuring the largest desktop fiber laser, optimized optics ensure unmatched detail across an expanded work area. Enables curved surface engraving via xTool's 3D Curve™ auto-modeling. The RA2 Pro 4-in-1 rotary handles 90% cylinders/spheres (cups, ornaments). Integrated 7GB touch panel allows full offline operation.

Create like a Pro in Just 3 Steps



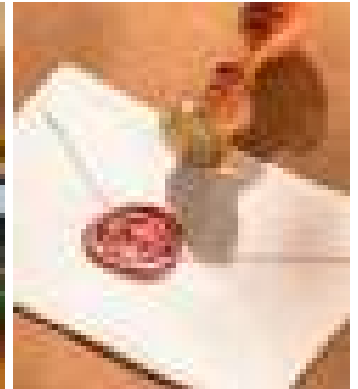
Step 1:
Design



Step 2:
Camera Positioning



Step 3:
Push a Button



Done!

The Ultimate Production Solution for Everyone



Events

Streamline your production

F1 ultra features auto streamline™ production function, finishing a batch in minutes.



Work Space

Onsite Customizing

In just 30 seconds, F1 Ultra can earn extra by customization.



Souvenir Shop

Make All Types of Gifts

Working on over 300 materials, F1 ultra can satisfy all of your gift/souvenir ideas.

Deep-engrave Jewelry

Create stunning jewelry with deep metal engraving, embossing, thin metal cutting



Jewelry Store



Specifications		xTool F1 Ultra	
Processing Capacity	Laser Type	20W Diode Laser + 20W Fiber Laser	
	Processing Mode	Laser Engraving	Laser Cutting
	Supported Materials	Laser Engravable: Diode Laser: Paper, Wood, Leather, MDF, Stainless steel, Some dark opaque acrylic, Bamboo, Fabric, Dark glass, Ceramic, Jade, Marble, Shale, Cement, Brick, Plated metal, Painted metal Fiber Laser: Stainless Steel, Aluminum, Brass, Silver, Plastic, Platinum, Titanium, Gold	
	Working Area	8.6" × 8.6" (220 mm × 220 mm) 8.6" × 19.6" (with conveyor) (220 mm × 500 mm)	
	Max. Working Speed	10000mm/s	
Accuracy & Precision	Laser Spot Size	0.08*0.1mm (20W Diode Laser) 0.03*0.03mm (20W Fiber Laser)	
	Ranging Precision	0.5 mm, Camera	
	Motion Accuracy	0.00482 mm	
General Information	Safety Certification	Class 4 Laser Safety	
	Product Size	10.75" x 14.69" x 19.37" (273 mm × 373 mm × 492 mm)	
	Product Weight	32.4 lb (14.7kg)	
	Max. Machine Input Power	250 W - 275 W	
	Power Adapter Input Voltage	100 V - 240 V, AC 50/60 Hz	

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product info & resources



Metal Fabrication Solutions

Laser Welding, Cutting & CNC Metal Work

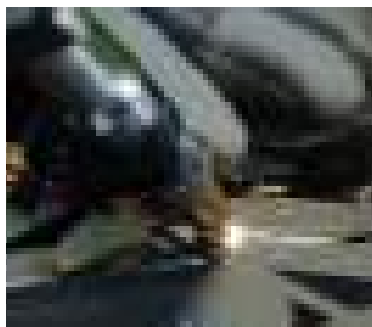
xTool MetalFab

Your All-in-One Metal Workshop: Cut, Weld, Clean, and Engrave



Why Choose xTool MetalFab?

Industrial-grade performance meets simplicity, saving your costs from every aspect including materials, gas, etc.



Auto Wire Feeding, Smooth Welding



1200w Stable Output, 30% Longer Lifespan



Smart Dual Cameras, Ultra-precise Cutting



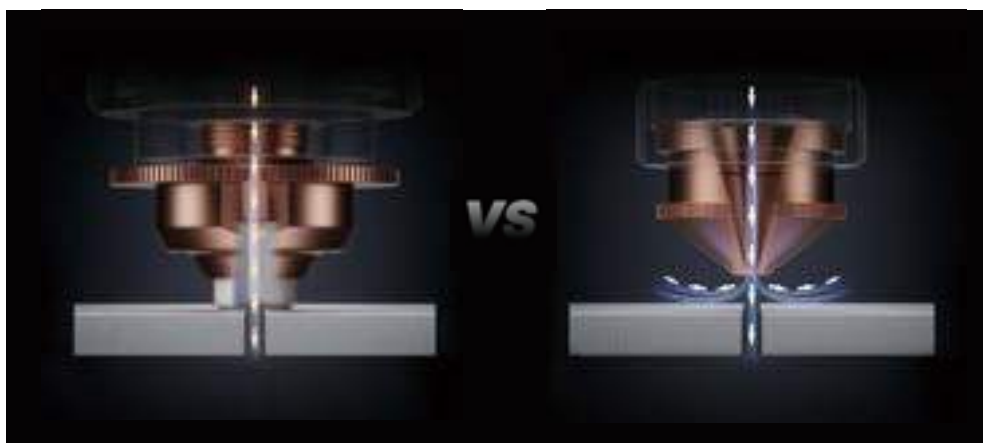
One-click for 108+ Material Settings



98.7% Material Use, Minimized Wastes

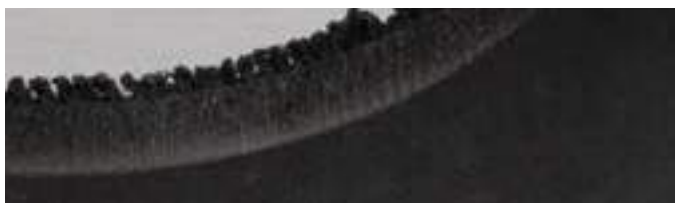
Exclusive Tech Saves You 50% Gas

With xTool self-developed SaveGas™ nozzle, you only need 87 PSI of air pressure to achieve cutting results comparable to 174 PSI of nitrogen while others delivers obvious burrs at 87 PSI. This technology can cut your gas costs to the lowest!



87 PSI SaveGas™ Nozzle

xTool Selected Air Compressor & Air Dryer



Ordinary Nozzle **87 PSI**

Nitrogen Gas

Wide Applications



Automotive Repair

Wide applications of processing and rust removal of the chassis, exhaust systems, brake wrenches, etc.



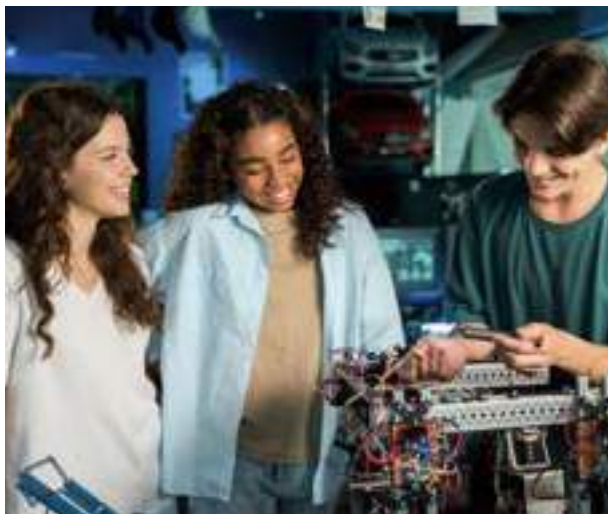
Sheet Metal Fabrication

Minimal HAZ and precise cuts make the MetalFab ideal for metal prototyping, structural frames, custom parts, and more.



Jewelry Making

Engrave and cut stainless steel, anodized aluminum, and titanium precisely for necklaces, tags, bracelets, and more.



Education & Maker Space

Introduce MetalFab to develop students' welding skills and process parts for robots and racing cars.



Specification xTool MetalFab

Items	Laser Welder	CNC Cutter
Laser Type	1200w/800w 1080nm CW fiber laser	Laser welder needed
Supported Modes	Handheld welding, handheld cutting, handheld cleaning (max. 1.77 in/45 mm cleaning width)	CNC cutting, CNC cleaning, engraving
Max. Working Area	Not limited	24 x 24 in(610 x 610 mm), 24 in x ∞ with Passthrough
Max. Working Speed	Auto wire feeding	15.75 ips(400 mm/s) Cutting
Processing Accuracy	Min. 0.002 in(0.05 mm) HAZ	0.0039 in(0.1 mm)
Materials & Thickness	Cutting & Welding (1200w): Max. 0.2 in(5 mm) stainless steel/carbon steel/galvanized sheet/titanium, 0.16 in(4 mm) aluminum, 0.12 in(3 mm) brass Min. 0.008 in(0.2 mm) metals	Burr-free Cutting(with 1200w welder): Max. 0.4 in(10 mm) carbon steel/galvanized sheet, 0.2 in(5 mm) stainless steel/titanium, 0.16 in(4 mm) aluminum, 0.12 in(3 mm) brass Cutting Through Thickness(with 1200w welder): 0.47 in(12 mm) carbon steel, 0.39 in(10 mm) stainless steel, 0.28 in(7 mm) aluminum, 0.16 in(4 mm) brass Min. 0.008 in(0.2 mm) metals
Operation system	No software needed	Windows & macOS
Rated Power	4200w	250w
Input	200-240v,AV 50/60Hz,Max.21A	100-240v,AC 50/60Hz, Max.2.5A
Product Weight	38kg for 1200w, 35kg for 800w	150kg
Product Dimensions	28.66 x 12.87 x 20.16 in(728 x 327 x 512 mm)	46.26x45.55x48.43 in(1175 x 1157 x 1230 mm)

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product info & resources



Printing & Apparel Solutions

Beyond Laser

xTool Apparel Printer

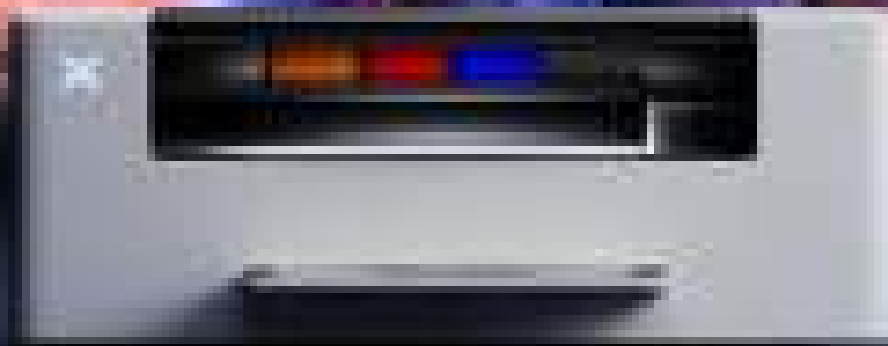
Print Stunning Apparel in One-Click



Applies to
macOS



Applies to
Windows



Stunning Prints on All Apparel, All Fabrics

The xTool Apparel Printer works with virtually any fabric-cotton, leather, polyester, canvas, spandex, and more. Whether the fabric is light or dark, it delivers flawless results every time. No limits. No compromises. It's the one solution for all your apparel printing needs.



Print-to-Bake in One Click. Redefine Efficiency

Transform designs into finished, ready-to-press transfers in under 10 minutes. Just drag, drop, and click. It's as easy as printing a document.



Print Vibrant Colors with High Definition Details

The Epson I1600 dual print heads deliver HD resolution with ultrafine 3.8 pL ink drops. One head prints vibrant color while the other applies white, achieving flawless, G7-certified color accuracy on any fabric, including dark ones.



24/7 Self-Maintenance. Unprecedented Effortless

Full-Lifecycle Automatic Maintenance: Our algorithms use real-time sensor data to prevent clogs through automated printhead cleaning and ink circulation, ensuring your printer stays in optimal condition.

Unlock the 1-Hour Print & Bake Potential

High production efficiency is achieved with the 50 sq ft/hr printer, completing 14-inch prints in 2 minutes, and the shaker oven, which reduces baking time per sheet with continuous multi-sheet baking.



44 Pieces

Graphic Size: Up to 12" x 8"
Printing Pass: 8



132 Pieces

Graphic Size: Up to 6" x 6"
Printing Pass: 6



440 Pieces

Graphic Size: Up to 3" x 3"
Printing Pass: 6

*Note: Time is for printing and baking only, excluding the heat press





Specifications		xTool Apparel Printer	
Product Dimensions	Size	14.04 x 14.02 x 35.59 inches	
	Weight	61.73 lbs	
	Print Width	13 inches	
Printing Capabilities	Materials Application	All fabrics, including cotton, polyester, denim, canvas, spandex, nylon, and more	
	Print Head	Epson I1600 Dual Print Head	
	Printing Resolution	720 x 1800 DPI	
	Minimum Ink Drop Size	3.8 pL	
	Printing Speed	Up to 50 sq ft/hr (720×1200 DPI)	
	Printing Mode	Single Sheet-Fed	
	Printing Color	CMYK + WWWW	
	Supported Software	xTool Studio (Includes AI-Powered Design Generator, RIP, Auto Nesting, Printing Layout, Machine Control, and more)	
	Software Compatibility	Mac, Windows Supported	
Software and Maintenance	Calibration	AI 16MP Camera Auto Calibration	
	Maintenance	App Remote Monitoring	Auto Printhead Cleaning
		Auto Ink Circulation/WIMS (White Ink Management System)	

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product info & resources



xTool Selected HP2

More Professional, Efficient,
and Automatic Heat Press





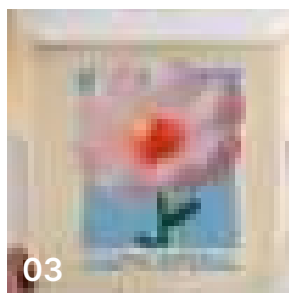
Start

Place your materials, then simply slide them in.



Auto Timing & Counting

Timing and counting handled automatically, so you can keep creating.



Finish

When time's up, your creation is ready to shine.

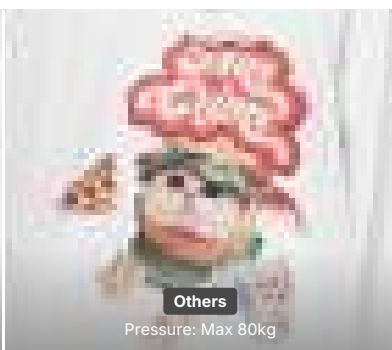
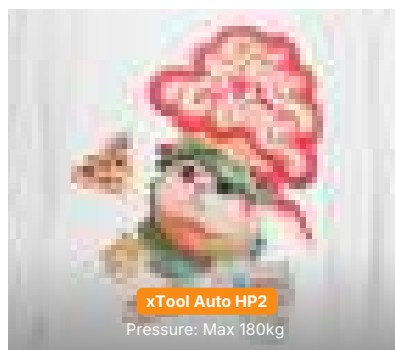
Fully Automated Workflow, Hands-Free

Automatic pressing, timing, counting, and release an effortless workflow that keeps you focused effortless workflow.

5 Preset Modes, One Touch to Go

Simplify setup and boost efficiency - every press is faster and more precise.

*All modes and parameters are customizable.



180kg Precision Pressure, Built for Pro Results



Stronger Adhesion



Greater Color Saturation

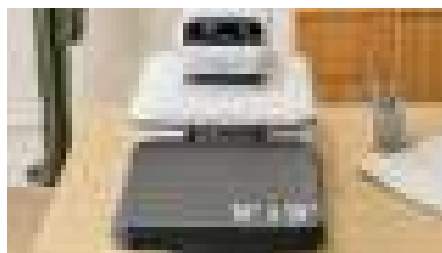


Improved Wash Durability



4 Precise Pressure Levels, Perfect in One Press

60 / 100 / 140 / 180 kg — From thin tees to thick hoodies and complex transfers, every press delivers flawless, reliable results.



Bigger Heat Platen, Limitless Creations

15" x 15" heat platen handles XXL garments and boosts production capacity.



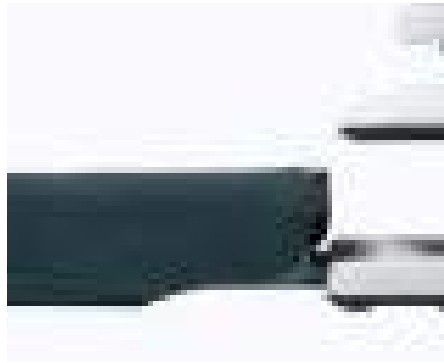
Smart Safety, Designed for Those

"Did I turn it off?" Moments After 15 minutes of standby, a gentle beep reminds you before it automatically shuts off.

Refined in Every Detail, Effortless in Every Press



Slide-Out Drawer
Safe & Space-Saving



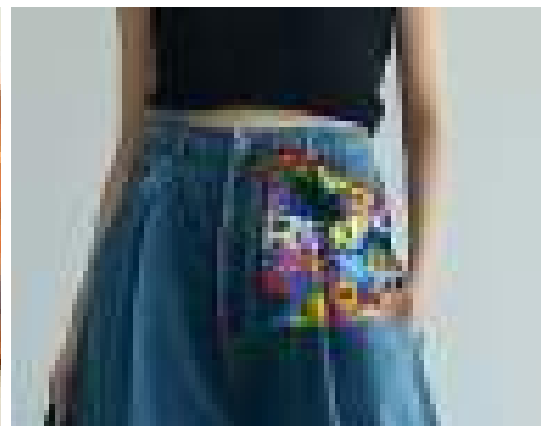
Threadable Platen
No Shifting, No Wrinkles



Intuitive Touchscreen
Clear & Efficient

Work with All HTV, DTF, DTG, and Sublimation

Create professional-quality transfers with xTool selected materials and heat presses.





Specifications		xTool Selected HP2
Processing Capacity	Heat Platen Size	15" × 15" (381 mm × 381 mm)
	Temperature Range	104°F - 410°F (40°C - 210°C)
	Time Range	1 - 999 s
	Pressure Setting Range	132 - 397 lb (60 - 180 kg)
	Maximum Project Height	1.0" (25 mm)
	Power Adapter Input Voltage	100 V-120 V, AC 50/60 Hz 220 V-240 V, AC 50/60Hz
	Rated Power	1500 W
	Product Size	21.7" × 15.7" × 14.4" (550 mm × 400 mm × 365 mm)
	Product Weight	48.5 lb (22 kg)
	Package Size	24.2" × 19.5" × 18.5" (615 mm × 495 mm × 470 mm)
General Information	Body Material	ABS plastic
	Color	White
	Storage Temperature	50°F - 113°F (10°C - 45°C)

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product info & resources



Software & AI Creative Platform

xTool Ecosystem

The Integrated Toolkit to Bring Your Ideas to Life.



xTool Studio



Customthings



Atomm Community

xTool Studio

AI-Powered Design:

From Concept to Creation Effortlessly transform any inspiration into professional, manufacturable designs using a multimodal AI Agent, intelligent editing tools, and over 10,000 built-in resources.

Error-Proof Processing:

Get Perfect Results the First Time Eliminate costly errors and reduce waste by utilizing the True Result Preview and smart parameter recommendations before starting any job.

Smarter, Easier, and More Creative with AI

Optimized Production:

Maximize Efficiency, Minimize Waste Maximize mass production efficiency and minimize material costs with intelligent Smart Nesting algorithms and one-click Batch Fill.

Seamless Workflow:

Cloud-Based Management & Stable Collaboration Streamline your entire operation with a cloud-based workflow, multi-device management, and ultra-stable connectivity for uninterrupted collaboration.

Atomm Community

The Leading Craft Community
atomm.com

A seamless integration of Creative Lab and Easyset, driven by Almake—the world's first AI Crafting Agent.

Over 60000+ creative projects to spark your imagination

A vibrant professional community with contests

High-commission creator program

Customthings

Make Customization Business
Easier than Ever

Empower customers to create unique, personalized products in minutes with an intuitive design tool.

Streamline your entire customization business, from shop creation to order management, on one platform.

Accelerate production with a vast template library and seamless xTool ecosystem integration.

XTOOL

Retail Studio

**Drive Retail Growth with Instant
In-Store Personalization**

Traffic / Premium / Engagement / Loyalty



xTool

xTool is a global leader in desktop laser cutters, engravers, and smart fabrication tools. Since 2020, xTool has empowered creators in over 62 countries, supported by 1200+ intellectual properties. xTool is transforming how people learn, create, and build—from classrooms to research labs, from garages to retail stores. Combining powerful technology with intuitive design, xTool makes advanced fabrication tools accessible to makers, educators, and entrepreneurs everywhere.

Sold in

62

Countries

Followed by

1,550,000

Users

Endorsed by

3000+

Influencers Worldwide

Over

1200+

Intellectual Properties

Trusted by Top Brands xTool Drives Retail Growth

Traffic | Premium | Engagement | Loyalty



Drive In-Store Traffic with Immersive Experiences

1

MAC Cosmetics:

Introduced "Jolin Collection" customization at its grand opening, fueling social buzz and lifting traffic by 300%

BOTTLED JOY:

Custom cup services and a "One-Day Store Manager" event drew young crowds and viral check-ins



2

Unlock Premium Value with Unique Products

Timpson:

Introduced a new keychain customization service, easily doubling the average transaction value

Ray-Ban:

On-site frame engraving lifted average transaction value by 8%



3

Inspire Sharing and Word-of-Mouth Growth

Stanley:

Pop-up customization fueled a wave of user-generated content, with single posts easily exceeding 1,000 impressions

Decathlon:

During its 5-day grand opening, in-store customization activities generated 3,000+ social shares



4

Build Loyalty Through Emotional Connections

Stanley:

Personalization now in 50+ stores; 40% of customers visit just for this service

Customer Testimonial:

"I could throw everything away - but not this cup"



xTool Retail Studio

Next-Gen Retail Innovation

Exclusive AI Filter Instant Photo-to-Product

Engrave or print directly from phone photos, or transform them with one-click AI filters: change styles, remove backgrounds, and skip all pre-processing



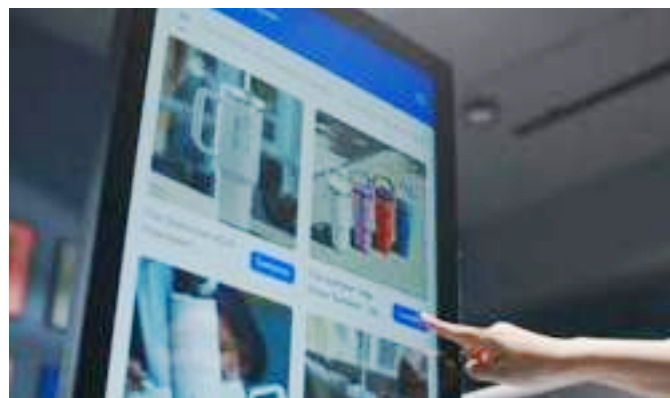
10-Minute Mastery Zero Operational Stress

Staff can learn in just 10 minutes.
An intuitive retail interface lowers training costs and removes skill barriers



Authentic Touch Precisely Recreated

Capture kisses, paw prints, or handwritten signatures—instantly pressed onto special paper and permanently preserved with laser precision



Real-Time Dashboard & Multi-Store Management

Track customization performance across stores, monitor daily/weekly/monthly orders at a glance, and sync templates across multiple locations with one click

Retail, Electronics & Lifestyle Customization Solution

Personalize Anything, Anywhere — Create Moments that Stay.



**Professional
Device**

xTool Retail Marker (Class 1)
xTool SafetyPro™ AP2 Air Purifier
Self-Service Kiosk

xTool F1 Ultra (Class 1)
xTool SafetyPro™ AP2 Air Purifier
Self-Service Kiosk / Tablet

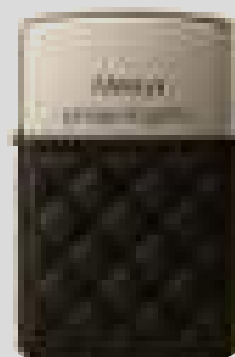
xTool F2
xTool Desktop Air Purifier
Self-Service Kiosk / Tablet

Expert Service

Custom 1-on-1 Brand Strategy
On-Site Installation & Implementation
Tailored Employee Training Programs

Smart Software

Efficient Data Management
System



Beauty, Fragrance & Wine Customization Solution

Craft Your Signature — In Beauty, in Fragrance, in Life.



Professional Device

xTool F2 Ultra UV (Class 1)
xTool SafetyPro™ AP2 Air Purifier
Self-Service Kiosk

Expert Service

Custom 1-on-1 Brand Strategy
On-Site Installation & Implementation
Tailored Employee Training Programs

Smart Software

Efficient Data Management System



Apparel & Creative Printing Customization Solution

Personalize Every Fabric — Design, Print & Wear Your Story.



Professional Device

xTool Apparel Printer
xTool Selected HP2 Auto Heat Press
xTool SafetyPro™ AP2 Air Purifier
Self-Service Kiosk

Expert Service

Custom 1-on-1 Brand Strategy
On-Site Installation & Implementation
Tailored Employee Training Programs

Smart Software

Efficient Data Management System



CONTACT

Contact Us

chris.b2b@xtool.com



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Success Stories](#)

XTOOL Education

Empowering Hands-on Learning
Inspiring Future Innovators



Why xTool Education

Promise Reliable Quality in Every Product

Designed for daily classroom use, our machines are durable and reliable. With 72.4M uses and ISO 9001 certification, xTool is a smart investment for schools.



Prioritize Safety in Every Innovation

Experience a safe and engaging classroom with xTool, offering enhanced safety features for a worry-free learning experience.



Innovate to Empower Future Innovators

We introduce 12 innovative inventions, keeping students ahead with the latest tech. From diode lasers to 4-in-1 machines, we enhance hands-on learning in classrooms.

Support Educators with Tailored Resources

We provide standard-aligned lessons, endless projects, and professional development to ensure seamless tech integration in your classroom.

Ensure Timely Support for Educators

We reply in 1 business day, ensuring prompt resolution of any inquiries without disrupting your class schedule.



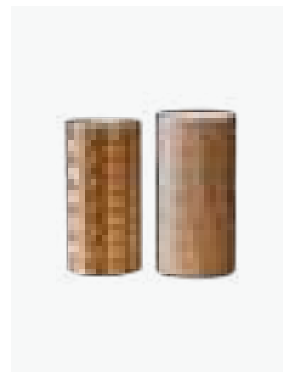
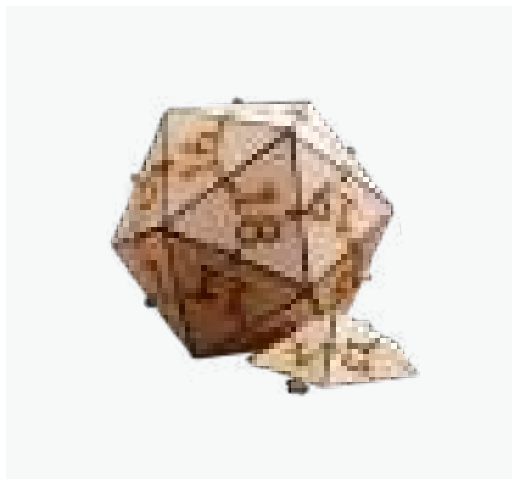
Cutting-Edge Educational Tools

Digital Fabrication Tools

Boost CTE & STEAM learning with precise laser cutting, CNC cutting and welding for prototypes and projects.

Electronics & Coding Kits

Engage students in hands-on coding, robotics, and AI with interactive kits.



Project-Based Learning Materials

Curated selection of safe, classroom-ready consumables designed to work perfectly with our machines for countless projects.

Digital Fabrication Tools



55W Desktop CO2 Laser Cutter

- Enclosed design with auto lock for safety
- 55W laser for wood and acrylic cutting
- Engraves coated metal, ceramics, and more



20W Fiber & Diode Dual Laser Engraver

- Metal performance: Deep engraving and cutting
- Versatile support: Dual laser for various materials
- Batch engraving: Built-in camera and auto-focus



Your Gateway to Industrial-Grade Metal Fabrication

- Cut, weld, and clean with one device
- Safe, enclosed design for classrooms
- Up to 8x faster than traditional welding



Air Purifier with SuperCyclone System

- 99.99% dust removal with 6-layer filtration
- 10X pre-filter lifespan for large particles
- Ultra-dense carbon mesh absorbs odors



1st Screen Printing Solution with Laser

- Precise printing for excellent results
- Combines printing, cutting, and engraving
- Setup cut from days to hours
- Ideal for textile and fashion design courses

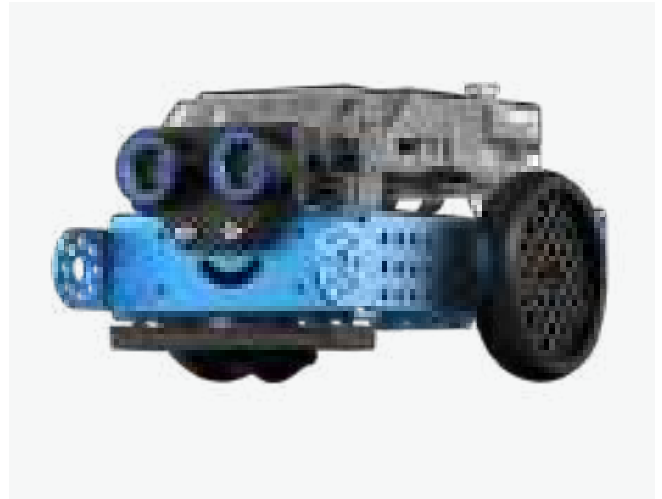
Electronics & Coding Kits



mBot2

STEAM Education Coding Robot Kit for AI Learning

- Rich programmable sensors supporting AI & IoT technologies.
- 30 min's easy assembly and advanced power solutions.
- Smart add-on packs to explore more playful creating.
- Block-based and Python programming.



CyberPi and mBuild Modules

DIY Electronics for Hands-on Projects & Maker Education

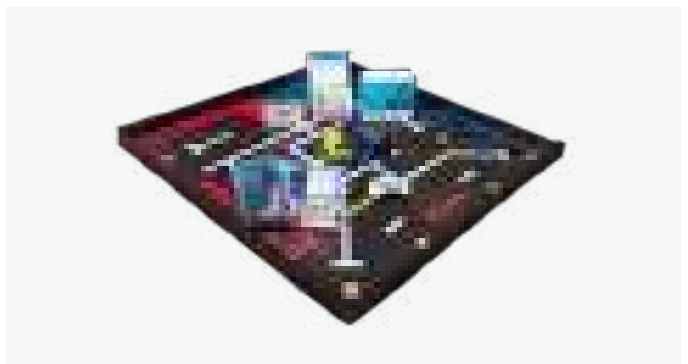
- Smart Control: CyberPi comes with built-in ports for easy expansion.
- Compatible with most open-source hardware.
- Ideal for both beginners and experienced makers.
- A complete toolkit for enhancing maker skills.



AI Camera 2.0

All-in-One Vision Module for Education

- Explore 9 ready-to-use AI functions right out of the box
- Plug-and-play simplicity with mBot2 and CyberPi
- Go beyond demos: train and deploy your own custom AI models
- Comes with 9 standard-aligned, project-based projects
- Seamlessly integrates with the mBot2 & mBuild ecosystem



mBot2 Educational Kit

All-in-One Educational Solution for mBot2

- Easy assembly and storage with high-capacity organized compartments.
- Portable Design: take your classroom anywhere.
- Multi-device charging hub for fast charging.
- Engaging future city classroom activity with a series of tasks and programs.

MakeX Inspire Activity Mat

Engaging Activity Mat for Fun STEM Learning

- Engaging gameplay boosts coordination and fun.
- Ready-to-Go Activity saves planning time.
- Inclusive for all ages, promoting teamwork and collaboration among students.
- Hands-on robotics build critical STEM skills and boost student confidence.

Teacher-ready EdTech Resources

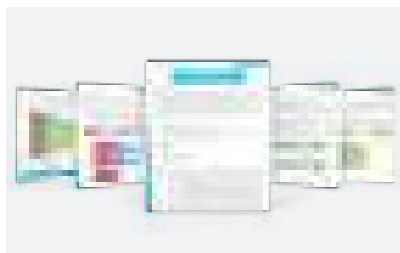
Professional Development

Enhance your teaching skills through webinars, workshops, and events, designed to inspire and develop educators' expertise.



Education Community

Connect, exchange ideas, and share success stories with educators worldwide, fostering growth and support in teaching practices.



Standard-aligned Lessons & Projects

Access ready-to-use lessons and projects aligned with educational standards, making curriculum delivery seamless and impactful.



Ready-to-use Projects

Discover a wide range of innovative, hands-on projects that keep students engaged and eager to explore new ideas.

Tailored Solutions for Every Educational Setting

School

xTool's laser cutters and coding kits foster creativity and problem-solving skills in classrooms, making STEM education interactive and accessible for students.



MakerSpace

xTool's digital fabrication tools and electronics kits provide maker-spaces with versatile, hands-on resources for prototyping, innovation, and developing technical skills.

Community College/University

xTool's solutions support project-based learning and research, offering students the tools to create, experiment, and innovate in engineering, design, and coding projects.



Vocational School

xTool's laser cutters and coding kits enhance technical training in vocational schools, helping students gain practical skills.

Training Institution

xTool empowers training with portable and easy-to-use fabrication tools and coding kits, ideal for hands-on workshops and skills development.

Library/Museum

xTool's interactive tools and materials bring STEM education to libraries and museums, encouraging curiosity and hands-on learning for visitors of all ages.



Empowering Education and School Operations

STEAM

Engage students in science, technology, engineering, arts, and math with hands-on laser cutting, engraving, and coding kits that enhance creativity, problem-solving, and interdisciplinary learning.



Maker Education

Encourage iterative problem-solving and creative innovation with precision laser tools and coding kits. Students can prototype, test, and refine ideas, building critical thinking and design skills.



Design Thinking

Empower students to design, prototype, and innovate using digital fabrication and coding kits. xTool tools support hands-on experimentation, fostering curiosity, collaboration, and real-world problem-solving.



CTE Program

Prepare students for future careers in engineering, manufacturing, and design with industry-grade laser cutters and coding kits, offering hands-on experience in fabrication, prototyping, and digital production.

xTool enhances school operations and community engagement by creating custom souvenirs, fundraising items (eco-friendly products, ornaments), and practical tools, while teaching design, production, and entrepreneurship skills.



School Operation

Contact & Collaboration

U.S. Call
+1 (888) 528-2293

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pr@xtool.com

Pre-Sales Inquiries
business@xtool.com

Creator Collaborations
partner@xtool.com

Customer Support
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B2B / Retail Partnerships
chris.b2b@xtool.com

