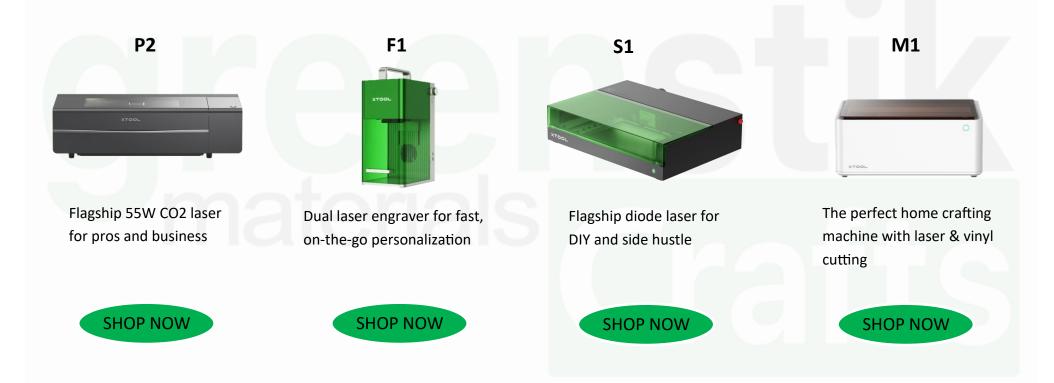
## Xtool P2, F1, S1 and M1 comparison



	P2	F1	<b>S1</b>	M1
Key Features	• 55W Powerful CO2 laser	<ul> <li>2 in 1: 10W blue laser + 2W 1064nm infrared laser</li> </ul>	Class 1 laser safety	<ul> <li>3 in 1: laser cutting and engraving; blade cutting</li> </ul>
	Automatic passthrough	<ul> <li>Upto 4000mm/s</li> </ul>	Multiple laser modules	<ul> <li>Pre-assembled with en-</li> </ul>
	Dual 16MP cameras	engraving speed	<ul> <li>Larger working area and expandable</li> </ul>	closed design
	Curved surface engraving	HD Photo Resolution with     0.0019mm Movement	Dynamic-focus engraving	Auto-focus
	• 26 x 14 inch bed size	Accuracy	Autofocus	<ul> <li>Smart camera with live preview</li> </ul>
		Handheld & Portable		
n	nater	Pre-assembled and auto-		

Detail	P2	F1	<b>S1</b>	M1
Laser type	CO2 laser	<ul> <li>Diode laser + 1064nm</li> <li>Infrared laser</li> </ul>	Diode laser	<ul> <li>Diode laser &amp; blade cutting</li> </ul>
Laser output power	• 55W CO2 laser	<ul> <li>10W: Diode laser</li> <li>2W: 1064nm Infrared</li> <li>laser</li> </ul>	40W Diode laser	• 10W Diode laser
Max cutting thickness in 1 pass (Basswood)	• 18mm	• 6mm (10W Diode laser)	• 15mm	• 8mm

	P2	F1	S1	M1
Max cutting thickness in 1 pass (Transparent Acrylic)	• 20mm	-		
Upto working speed	• 600mm/s	• 4000mm/s	• 600mm/s	• 250mm/s
Working area	<ul> <li>600 x 305mm</li> <li>23.6" x 12"</li> <li>Bed Size</li> <li>680 x 360mm</li> <li>26.7" x 14.1"</li> </ul>	<ul> <li>115 x 115mm rounded rectangle 4.53" x 4.53" Expandable to 400 x 115mm 15.75" x 4.53"</li> </ul>	<ul> <li>498 x 319mm 19.61" x 12.56" Expandable to 470 x 3000mm 18.5" x 118.11" with automatic conveyor feeder</li> </ul>	
Laser spot size (engraving fineness)	• 0.15 x 0.2mm	<ul> <li>0.08 x 0.06mm (10W Diode laser)</li> <li>0.03 x 0.03mm</li> <li>1064nm Infrared</li> <li>laser</li> </ul>	• 0.08 x 0.10mm	• 0.08 x 0.08mm
Focus Mode	• Auto	Manual/Auto	• Auto	• Auto

Al Camera	$\checkmark$	_	-	$\checkmark$
	•			•
Pre-assembled	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Enclosed	~	~		✓
Portable	***	***	$\star \star \star$	***
Product Weight	45KG	4.6KG	20KG	9.8KG
Dimensions	1000 x 639 x 268mm	179 x 235 x 334mm	765 x 561 x 183mm	557 x 453 x 230mm
Software				
Applications	XCS	XCS	XCS	XCS
	Lightburn	Lightburn	Lightburn	
Connection	USB/Wi-Fi/Ethernet	USB/Wi-Fi	USB/Wi-Fi/TF Card	USB/Wi-Fi
Support Mate	rials			

# **Support Materials**

	P2	F1	<b>S1</b>	М1
Cuttable	CO2 Laser: Paper, wood, acrylic, leather, cardboard, MDF, felt, rubber	Diode Laser: Paper, wood, leather, MDF, felt, Some dark opaque acrylic	Diode Laser: Paper, wood, leather, MDF, Felt, Some dark opaque acrylic	Diode Laser: Paper, wood, leather, MDF, Felt, Some dark opaque acrylic Blade: paper, fabric, vinyl and leather
				vinyi ana icather
Engravable	CO2 Laser: Paper, wood, acrylic, leather, cardboard, MDF, felt, rubber, bamboo, fabric, glass, ceramic, jade, marble, shale, cement, brick, plated metal, painted metal	Diode Laser: Paper, wood, leather, MDF, felt, Some dark opaque acrylic, bamboo, fabric, glass, ceramic, jade, marble, shale, cement, brick, plated metal, painted metal 1064nm Infrared laser: Metal, plastic, black acrylic	Diode Laser: Paper, wood, leather, MDF, felt, Some dark opaque acrylic, bamboo, fabric, glass, ceramic, jade, marble, shale, cement, brick, plated metal, painted metal	Diode Laser: Paper, wood, leather, MDF, felt, Some dark opaque acrylic, bamboo, fabric, glass, ceramic, jade, marble, shale, cement, brick, plated metal, painted metal

**S1** 

### Accessories

Laser Type Automa Feeder:

### Automatic Conveyor Feeder:

Automatically engrave and cut materials upto 96" long

#### **Xtool RA2 Pro:**

4-in-1 rotary for laser engraver

**Xtool P2 Riser Base:** 

Raises the machine to work on thicker and larger objects

# Supports 90% cylinder engraving Desktop Smoke Purifier:

xTool RA2 Pro for F1:

99.97% Air purifier

# **xTool RA2 Pro:** 4-in-1 rotary for laser engraving

xTool S1 Automatic Conveyor Feeder:

Automatically engrave and cut materials upto 118" long.

xTool S1 Riser Base:

Raises the machine to work on thicker and larger objects.

xTool Smart Air Assist:

Automatically adjusts airflow to boost cutting capabilities and achieve cleaner edges xTool RA2 Pro for M1:

M1

Supports 90% cylinder engraving

xTool M1 Air Assist Set:

For a cleaner, smoother cutting finish

xTool M1 Riser Base with Honeycomb Panel:

Raised and enclosed, versatilel in use.

M1 Smoke Purifier:

99.97% Air purifier

**S1** 

## Accessories



xTool S1 1064nm IR laser module: All-metal, plastic and acrylic engraving M1

xTool S1 Honeycomb Panel:

Neater & cleaner cutting results

xTool S1 Fire Safety Set:

Worlds first automatic fire safety set for fire detection and fire extinguishing

xTool Desktop Smoke Purifier:

99.97% Air purifier