

XTOOL | F1 Lite

Quick Start Guide



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* The English version is the original instructions verified by the manufacturer.

List of items



xTool F1 Lite



Pipe



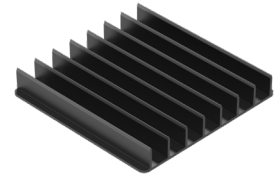
Power adapter



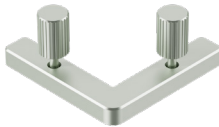
Power cable



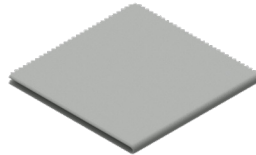
USB cable



Slatted panel



L-shaped positioning piece



Lint-free cloth



Key (spare part)



Grease



Material pack



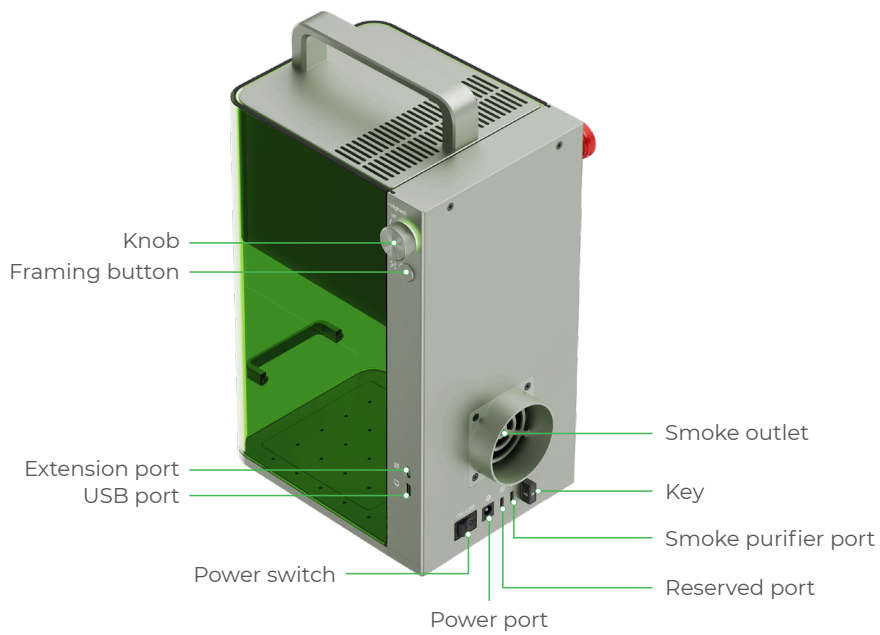
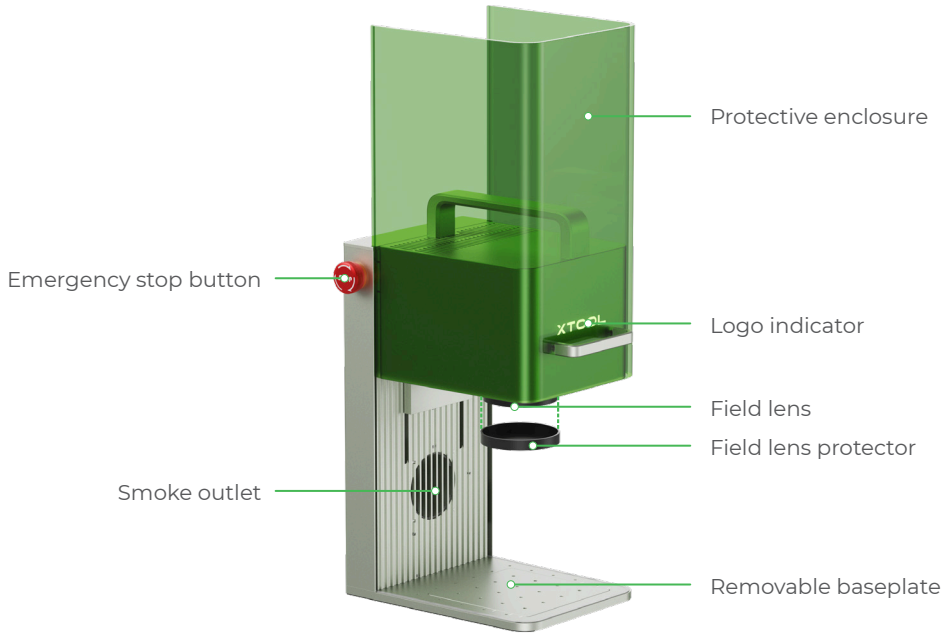
Quick Start Guide



Safety Instructions

Meet your xTool F1 Lite

Product structure



Indicator description



Logo indicator	Knob indicator	Machine state
Solid on	● Solid white	Not connected to the software
	● Solid yellow	Setting network
	● Solid blue	Connected to the software
	● Solid green	Processing completed
	● Solid purple	Firmware updating
	● Solid red	Exceptions occur
Blinking	● Blinking red for 3 times	Invalid operation
Going off	● Solid blue	Processing
	○ Blinking white slowly	Enters sleep state if no operation is performed within 10 minutes

Specifications

Product name	xTool F1 Lite
Size	179 mm × 235 mm × 334 mm
Internal working area	115 mm × 115 mm
Maximum processing speed	4,000 mm/s

Connection mode	Wi-Fi, USB cable, hotspot
Input power	24 V ≈ 3.5 A, 84 W
Laser module	445±15 nm blue-light laser
Laser power	10 W

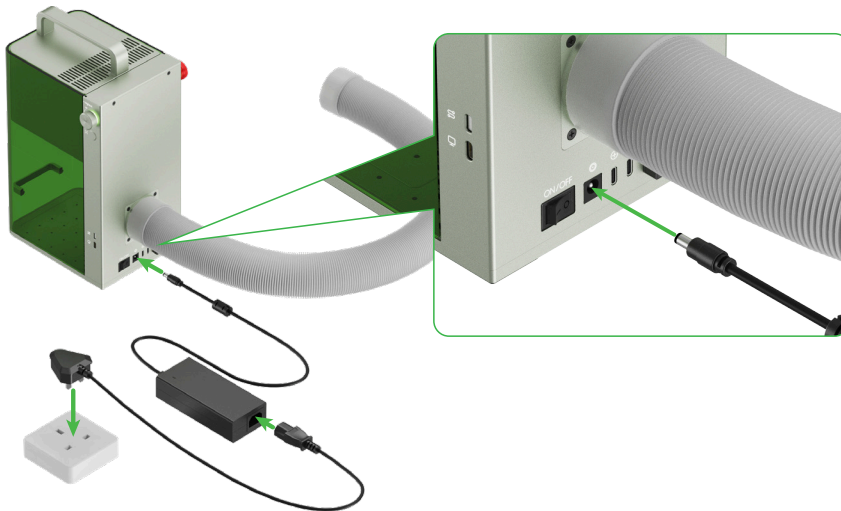
Get the machine ready

- 1 Install the pipe.

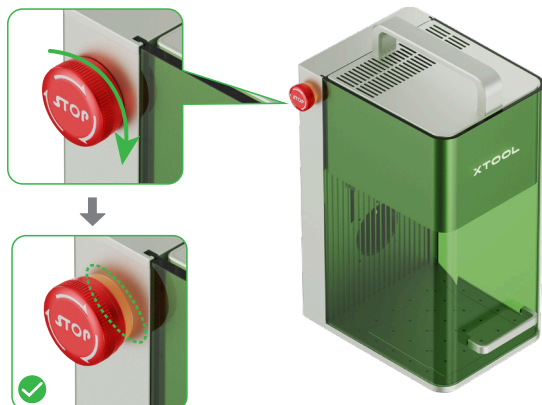


If you need a desktop smoke purifier, purchase one and connect it to xTool F1 Lite as instructed by the user manual.

- 2 Connect to a power supply.



- 3 Ensure that the emergency stop button is released. If it is pressed, rotate to release it.



Emergency stop button

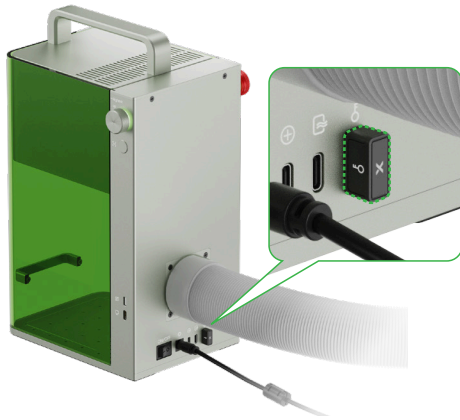
If an emergency occurs, you can press the emergency stop button to shut off the machine.



After dealing with the emergency, you can turn the emergency stop button to reset it.



4 Ensure that the key is inserted properly.



Access-control key

You can remove the key to disable the processing and related functions of the machine.

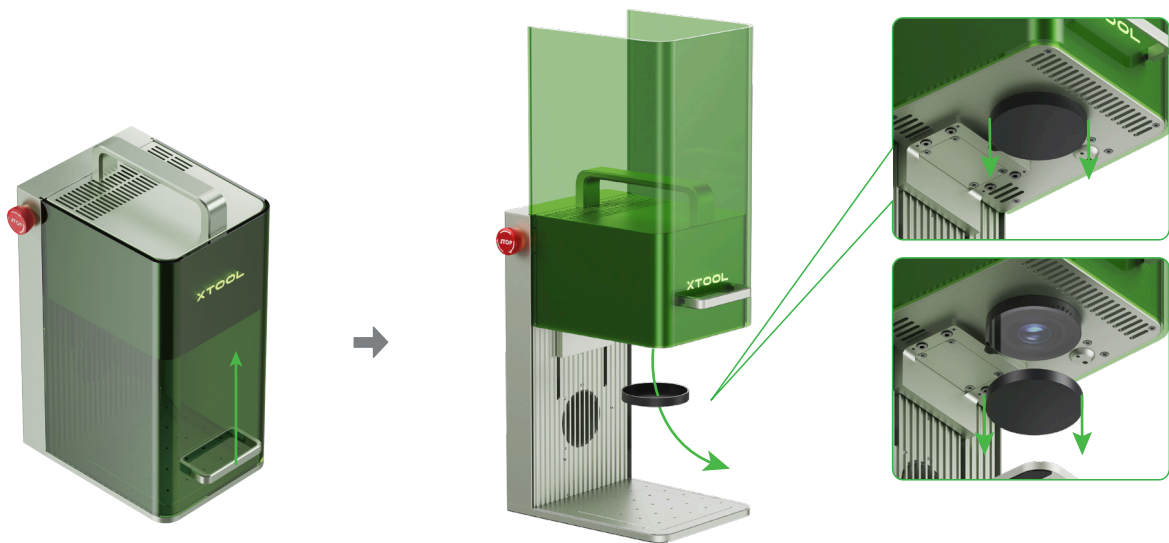
Interlock connector

You can also use the key as an interlock connector. Go to support.xtool.com/article/1367 to learn more.



support.xtool.com/article/1367

5 Remove the field lens protector.



If you won't use the machine for a long period of time, you can install the protector back to prevent the field lens from getting dusty. Ensure that the protector is removed every time before you use the machine.

Use your xTool F1 Lite

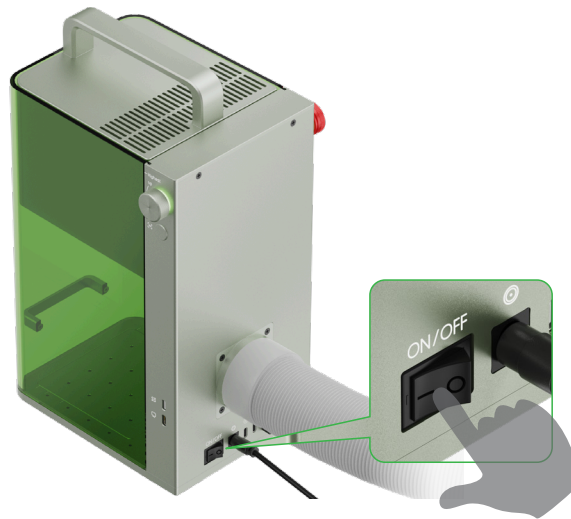
1 Power on

Turn on the power switch of xTool F1 Lite.



Do not use the emergency stop button as a power switch.

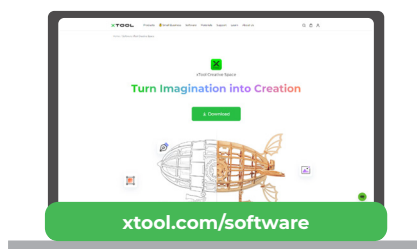
Use the emergency stop button only when an emergency occurs. Using it as a power switch to turn on and off the machine may damage the machine.



2 Operate xTool F1 Lite using XCS

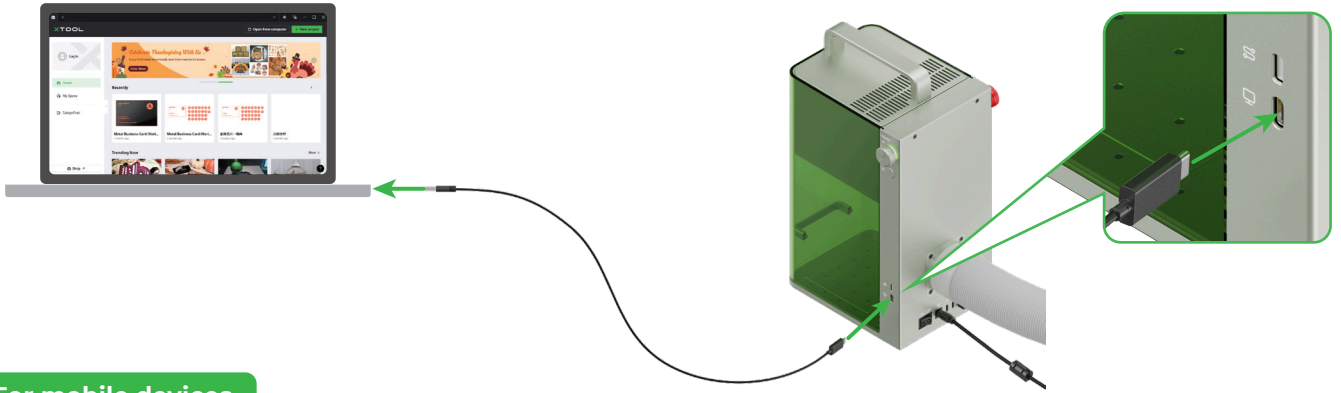
For computers

(1) Visit xtool.com/software to download and install xTool Creative Space (XCS).



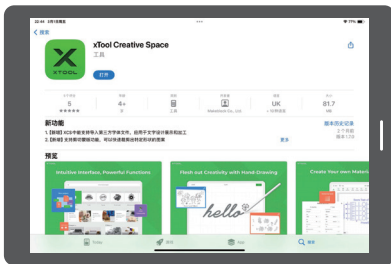
xTool Creative Space


(2) Use the USB cable to connect xTool F1 Lite to the computer, and then connect xTool F1 Lite in the software.



For mobile devices

Scan the QR code or search for **xTool Creative Space** in Google Play or App Store, or visit xtool.com/software to download the XCS app and install it.



 Follow the online instructions for the App to connect xTool F1 Lite on the App.



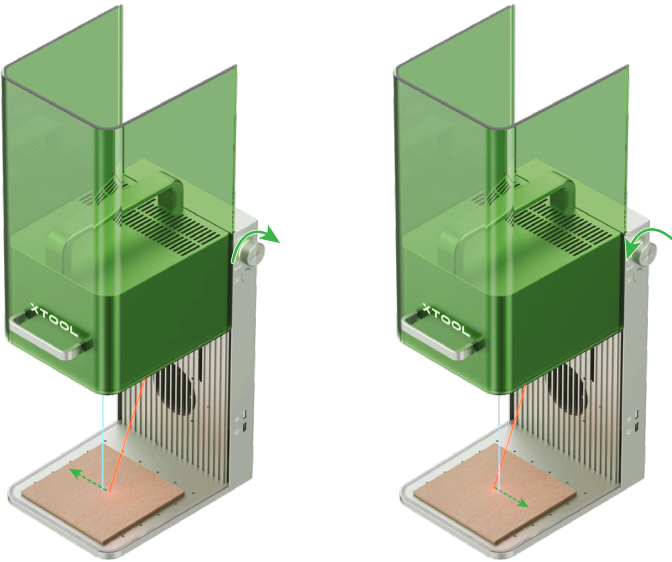
For details about how to use XCS to operate xTool F1 Lite to process materials, scan the QR code or visit support.xtool.com/product/2.



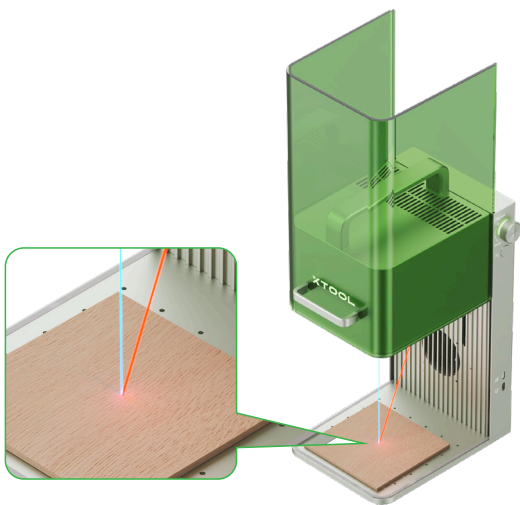
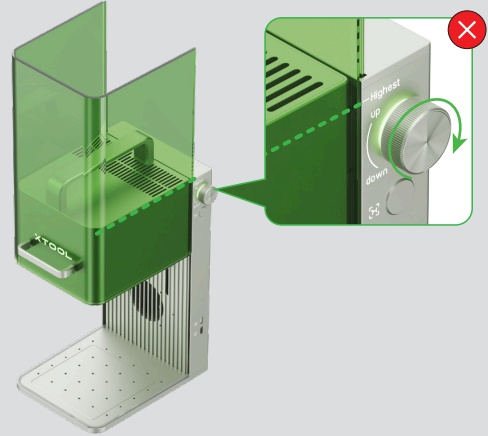
More operations

Manual focus setting

Turn the knob to adjust the height of the laser module. When the red and blue light spots overlap, the focus is successfully set.

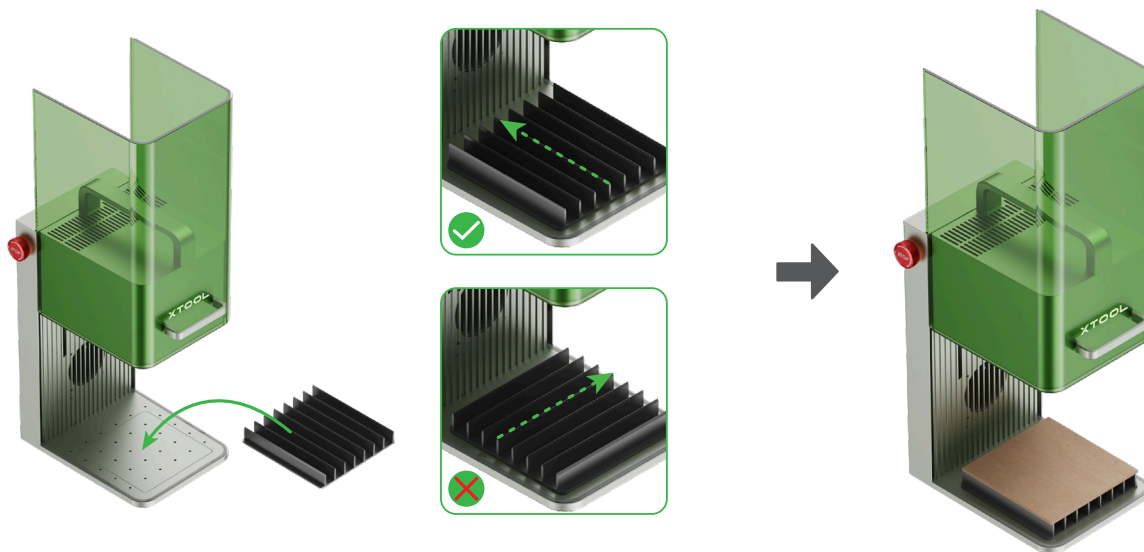


⚠ When the bottom of the laser module reaches the highest point, stop turning the knob up.



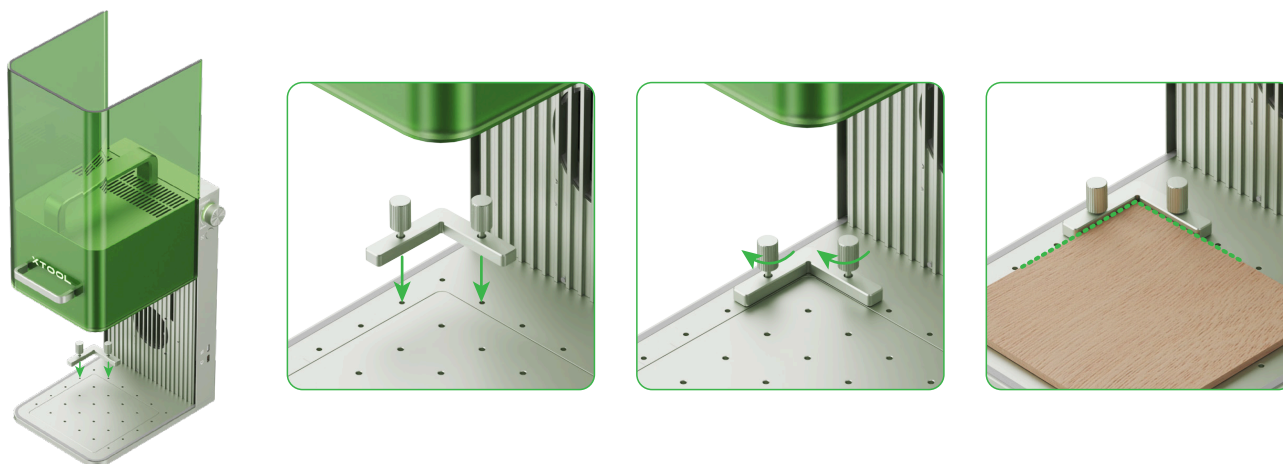
Use the slatted panel

To cut a material, you are advised to use the slatted panel. It can reduce the areas burned during material processing and protect the baseplate.

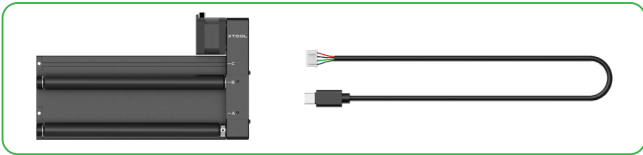


Use the L-shaped positioning piece

During batch processing, the L-shaped positioning piece can help you place a material in the same position every time.



Use xTool F1 Lite with the rotary attachment

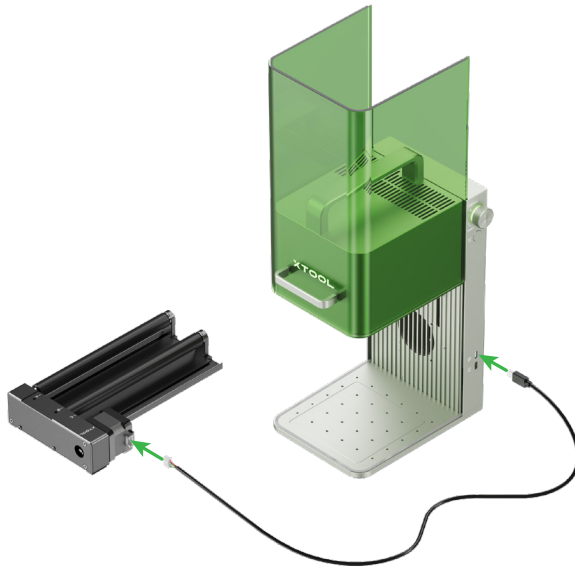


No rotary attachment is included in the pack.

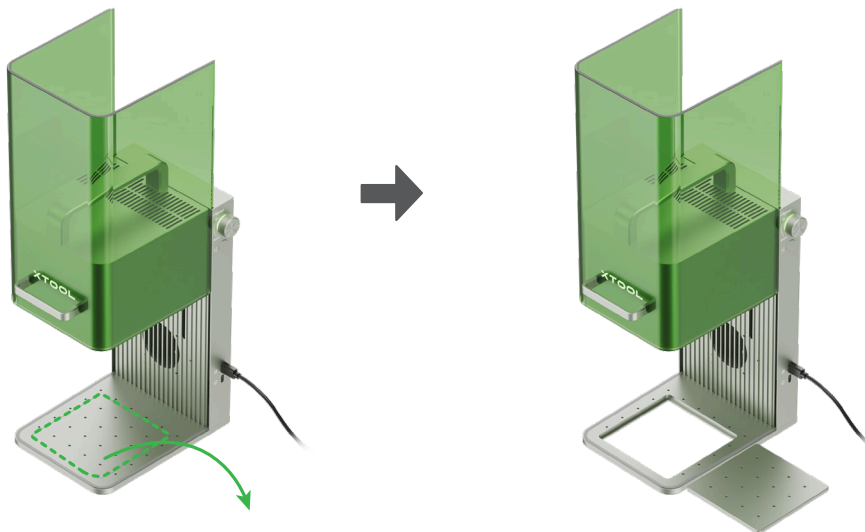


Strictly follow the safety instructions to use xTool F1 Lite with the rotary attachment. Set up a safety-controlled area under the guidance of the Laser Safety Officer (LSO), and take sufficient personal protective measures against laser risks.

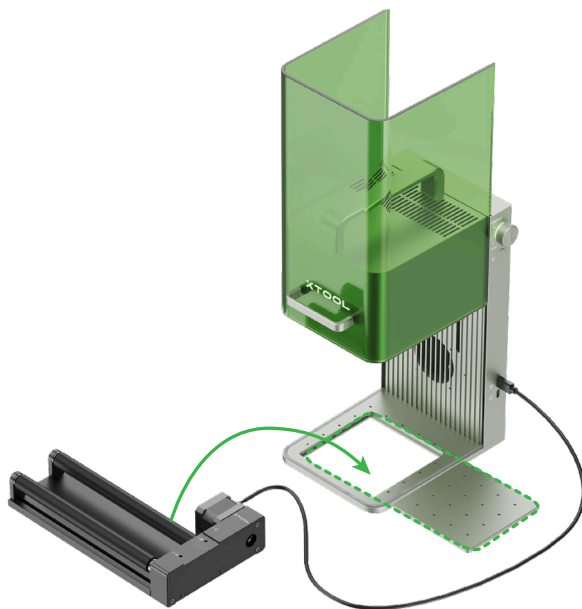
1



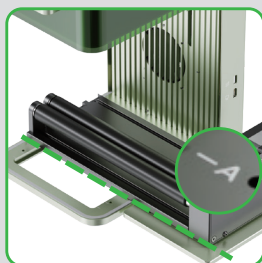
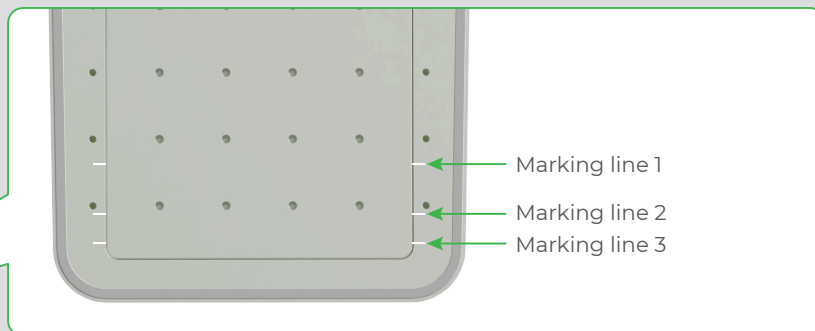
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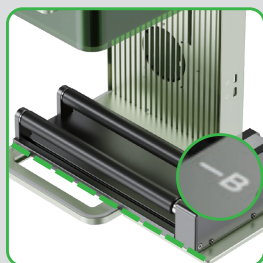
3



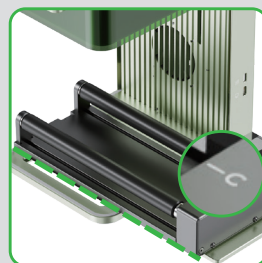
There are three marking lines on the base of xTool F1 Lite. Depending on the working mode and level setting of your rotary attachment, align its front bottom edge to the corresponding marking line.



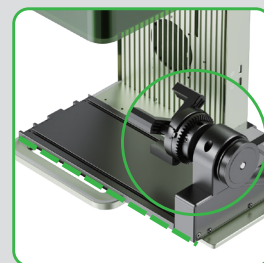
Align with marking line 1



Align with marking line 2



Align with marking line 3





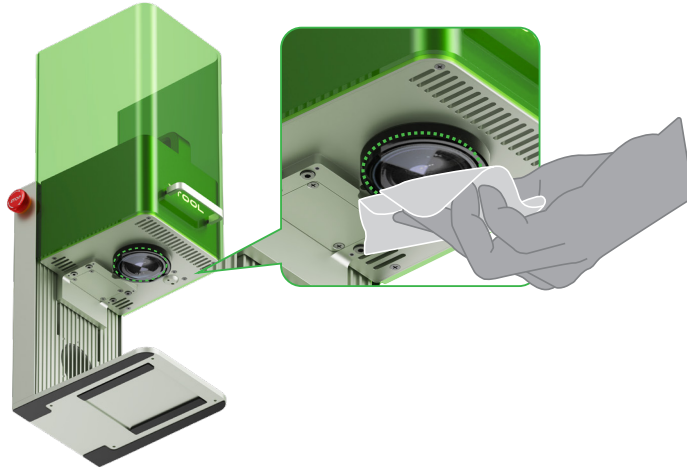
For details about how to use xTool F1 Lite with the rotary attachment, scan the QR code or visit support.xtool.com/product/2.



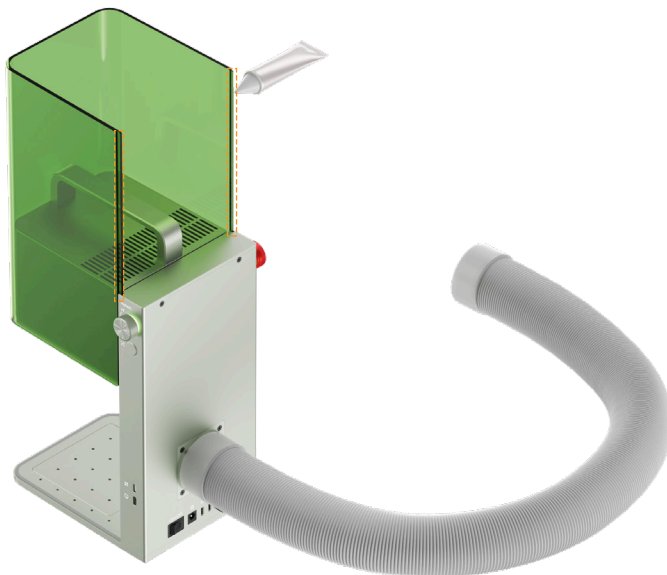
Maintenance

 Disconnect power before maintaining the product.

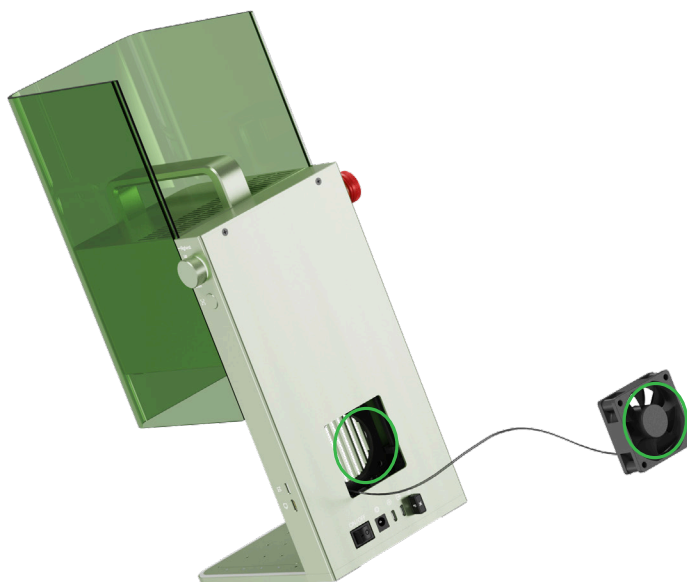
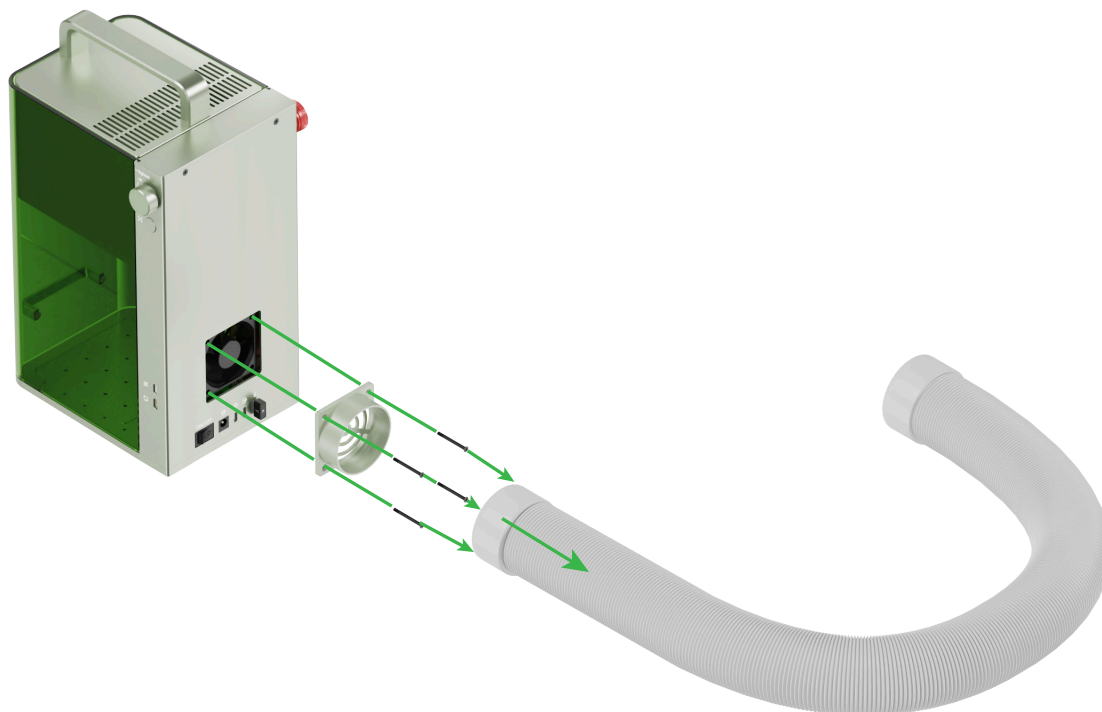
■ If laser power attenuation occurs, for example, engraved patterns are shallow or materials can't be cut as expected, the field lens may get dirty. Clean it with the lint-free cloth moistened with alcohol.



■ If you can't move the protective enclosure up and down smoothly, apply grease to the edges of the two sides.



■ If smoke runs out of the protective enclosure, the fan and smoke outlet may be blocked due to dust. Clean them to ensure proper smoke exhausting.



⚠ To avoid dust falling into the circuit board, slightly tilt the machine.

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