XTOOL | F2

Quick Start Guide

Kurzanleitung | Guía de inicio rápido | Guide de démarrage rapide | Guida rapida | Korte handleiding | Manual de referência rápida | Skrócona instrukcja obsługi | クイックガイド | 빠른 시작 가이드 | 快速入門指南 | 快速使用指南

XTOOL

01

Multi-language versions and more information
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Versões multi-idiomas e mais informações
Para encontrar manuais do utilizador em idiomas múltiplos e mais ajuda, visite, se faz o favor, support.xtool.com/article/2013 ou leia o código QR.

Wersje wielojęzyczne i więcej informacji
Aby znaleźć instrukcje obsługi w wielu językach i dodatkową pomoc, odwiedź stronę support.xtool.com/article/2013 lub zeskanuj kod QR.

複数言語バージョンと詳細情報
複数言語のユーザー ガイドと詳細なヘルプについては、support.xtool.com/article/2013 にアクセスするか、QRコードをスキャンしてください。

다중 언어 버전 및 추가 정보
다중 언어로 된 사용 설명서와 추가 도움말을 찾으려면 support.xtool.com/article/2013 페이지를 방문하거나 QR 코드를 스캔하십시오.

多語言版本及更多資訊
如需取得其他語言版本的使用者指南或幫助資訊，請前往 support.xtool.com/article/2013 或掃描 QR code。

多语言版本及更多信息
如需获取其他语言版本的用户指南或更多帮助信息，请访问 support.xtool.com/article/2013 或扫描二维码。你也可以访问 s.makextool.com/wiki/f2 查看在线帮助。

support.xtool.com/article/2013

xTOOL
xTool F2
Unboxing
www.xtool.com
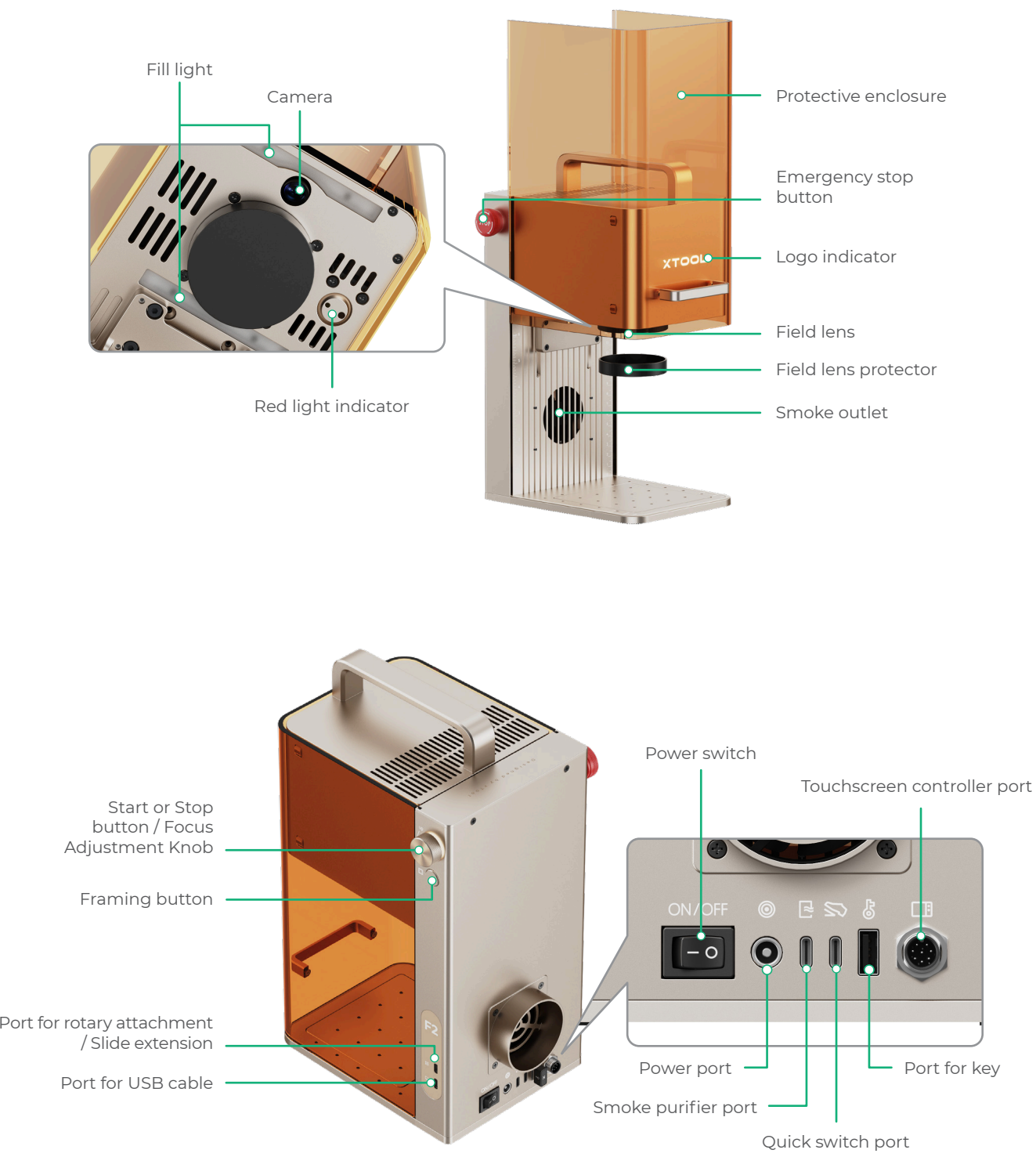
02

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

xTool F2

Pipe

Baseplate

Slatted panel

L-shaped positioning piece

Power adapter

Power cable

USB cable

Grease

Key (pre-installed)

Screwdriver

Lint-free cloth

Material pack

Quick Start Guide

Safety Instructions

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Camera

Protective enclosure

Emergency stop button

Logo indicator

Field lens

Field lens protector

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Red light indicator

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Start or Stop button / Focus Adjustment Knob

Framing button

ON/OFF

Port for rotary attachment / Slide extension

Power port

Port for key

Port for USB cable

Smoke purifier port

Quick switch port

Common machine states and indicator display

Logo indicator
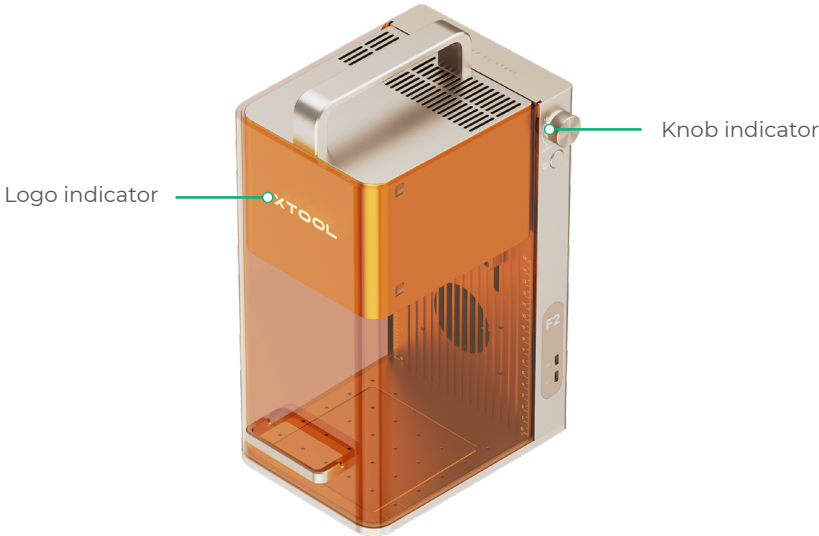
Knob indicator

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 F2
Model	MKF-K005-002
Connection mode	Wi-Fi, USB, IP
Internal working area	115 mm × 115 mm
Maximum processing speed	6,000 mm/s

Size (W × D × H)	175 mm × 237 mm × 334 mm
Input power	25 V DC, 95 W
Working laser	12 W blue-light diode laser 5 W infrared laser
Working laser wavelength	Blue-light laser: 445 ± 15 nm Infrared laser: 1064 ± 5 nm
Maximum processing height	120 mm

1 Open the protective enclosure, and install the baseplate in the direction indicated by the arrow.

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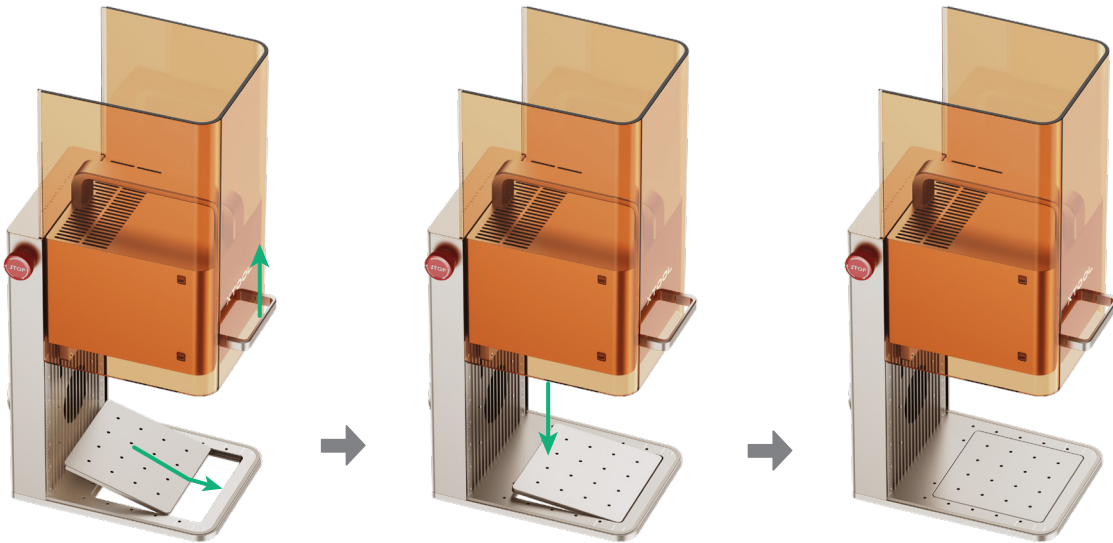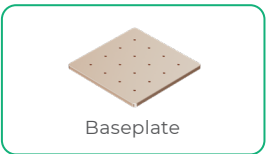
2 Pull down the field lens protector to remove it.
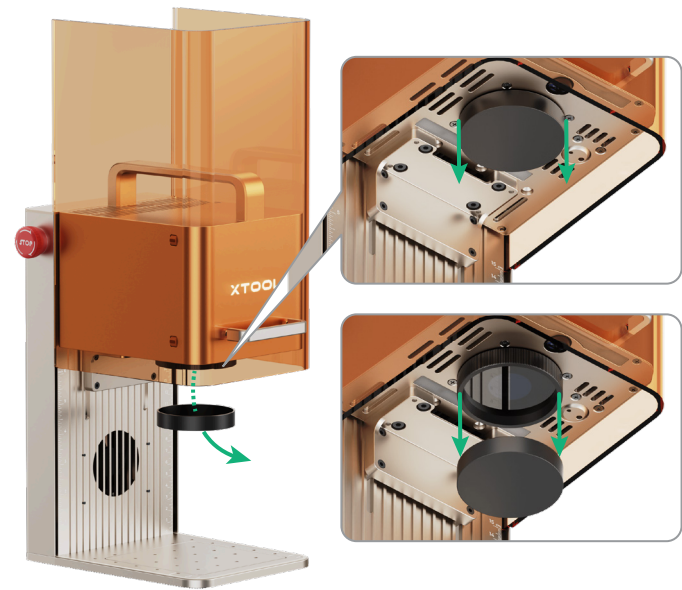
💡 Ensure that the protector is removed every time before you use the machine. If you won't use the machine for a long period of time, you can install the protector back to prevent the field lens from getting dusty.

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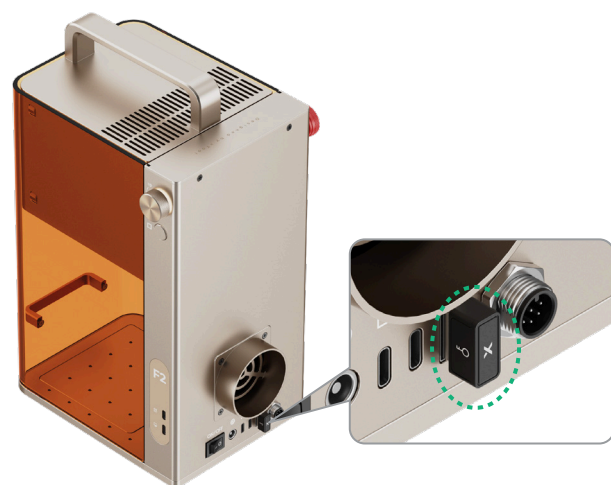

💡 **Emergency stop button**
If an emergency occurs, press the emergency stop button to shut off the machine.

After dealing with the emergency, rotate the emergency stop button to release it.

4 Ensure the key is fully inserted.

💡 You can use the key either as an access-control key or a remote interlock connector.

Access-control key
Removing the key can disable the machine's processing and related functions.

Remote interlock connector
For detailed instructions, scan the QR code or visit the link.

support.xtool.com/article/1367

5 Install the pipe.

Pipe
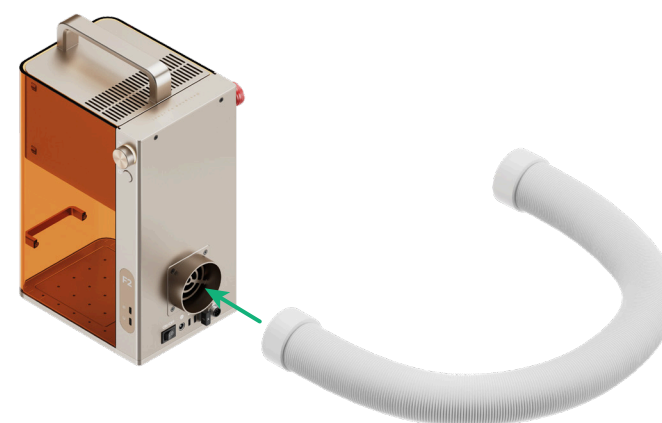
💡 If you need a desktop smoke purifier, purchase one and connect it to xTool F2 as instructed by the user manual.

6 Connect to a power supply.
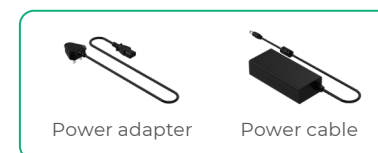
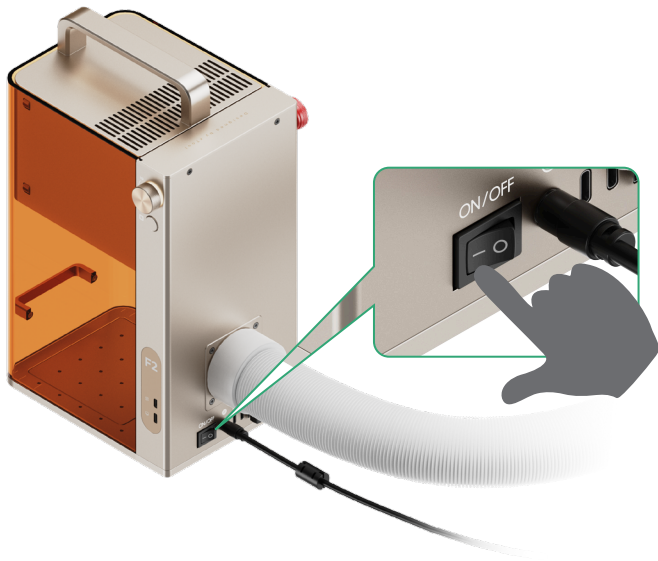Power adapter   Power cable
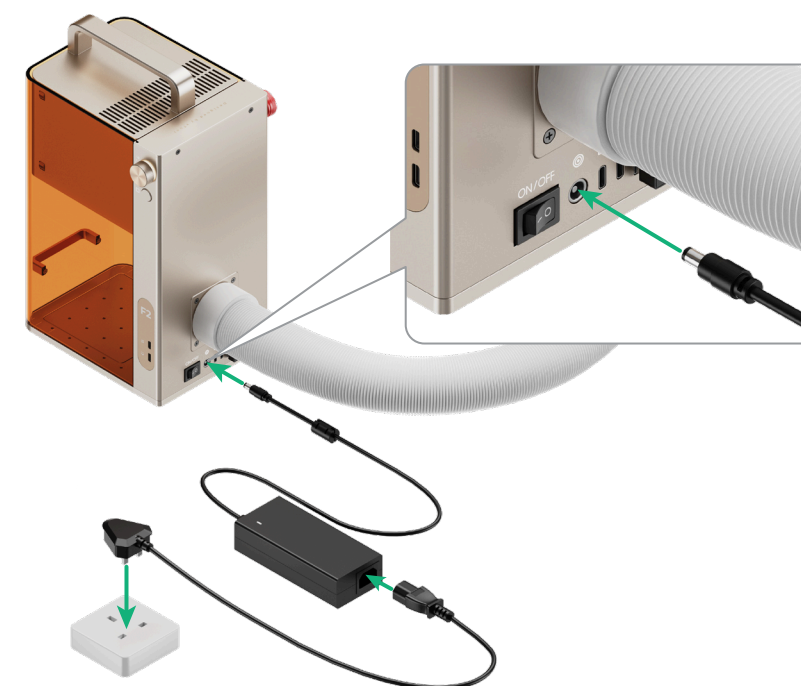
Use your xTool F2

Power on

Press the power button to turn on xTool F2.

> ⚠ **Never use the emergency stop button as a power button.**
> Use the emergency stop button only when an emergency occurs. Using it as a power button to turn on and off the machine may damage it.
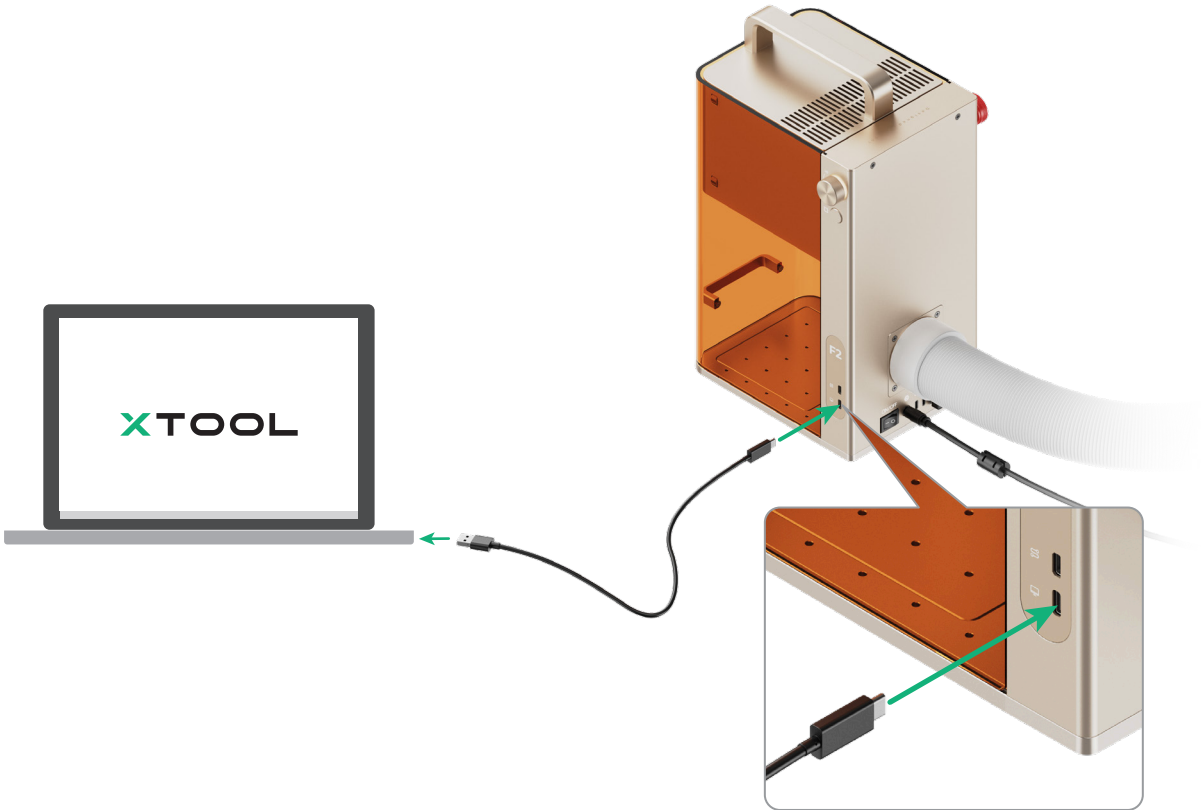
Operate xTool F2 with the software

(1) Visit **s.xtool.com/software** to download and install the software developed by xTool.

Meet the Brand New xTool Creative Space
The Strongest Yet Easiest Laser Software

s.xtool.com/software
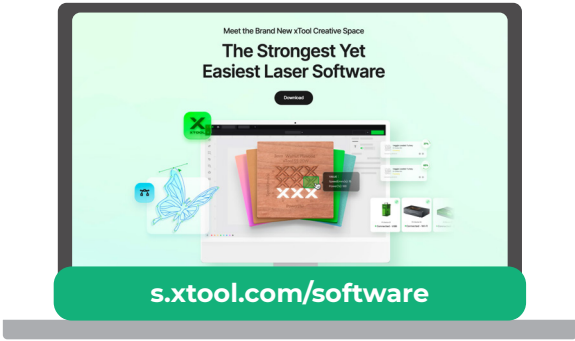
(2) Use the USB cable to connect xTool F2 to your computer, and then connect xTool F2 in the software.

USB cable

X T O O L

For details about how to use the software to operate xTool F2 to process materials, scan the QR code or visit the link.

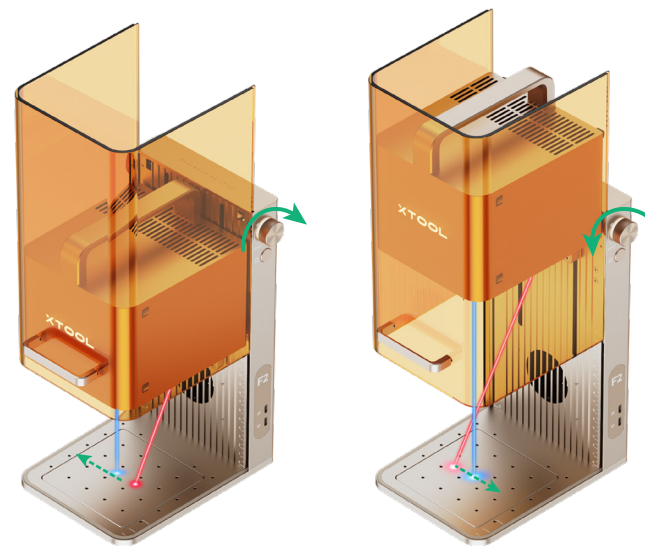**support.xtool.com/product/60**

Manual focus setting

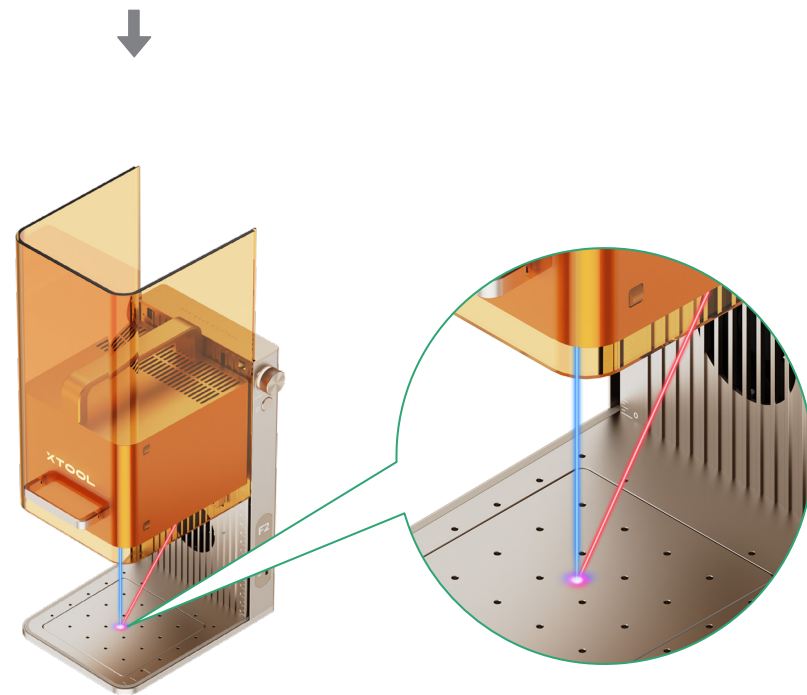Turn the knob to adjust the height of the laser module. When the red and blue light spots overlap, the focus is successfully set.

If turning the knob cannot overlap the red and blue spots, visit **support.xtool.com/article/2373** or scan the QR code for reference, or you can contact customer support for help.
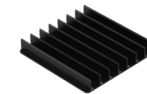
support.xtool.com/article/2373

Slatted panel

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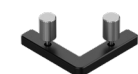

Slatted panel

⚠ For optimal smoke exhausting, orient the slatted panel with its openings facing the machine.
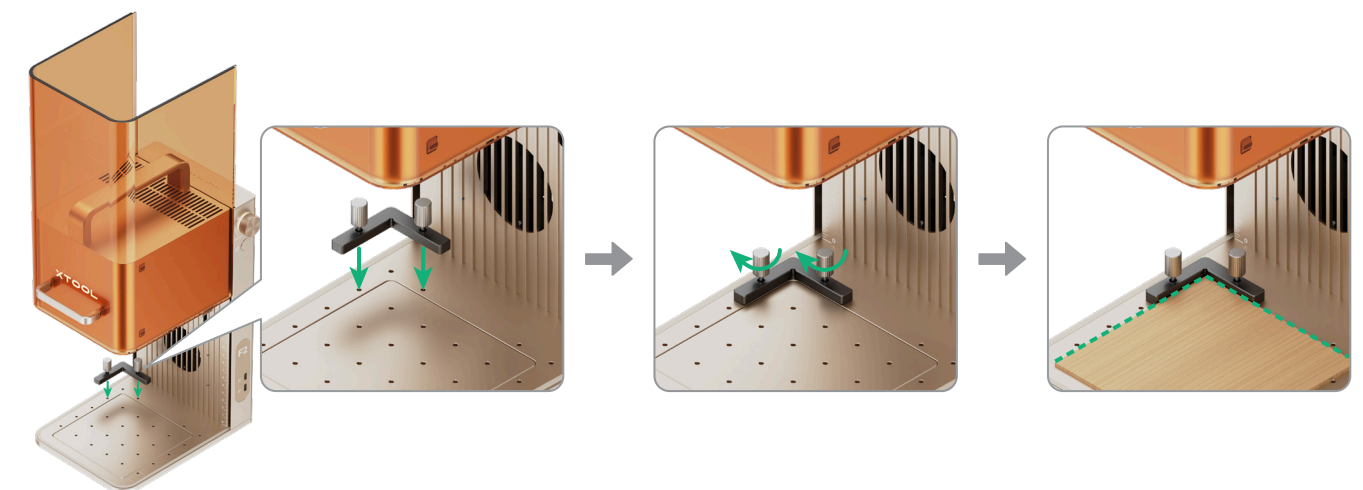

L-shaped positioning piece

You can use the L-shaped positioning piece for batch processing. It helps you place materials in the same position for each processing task.
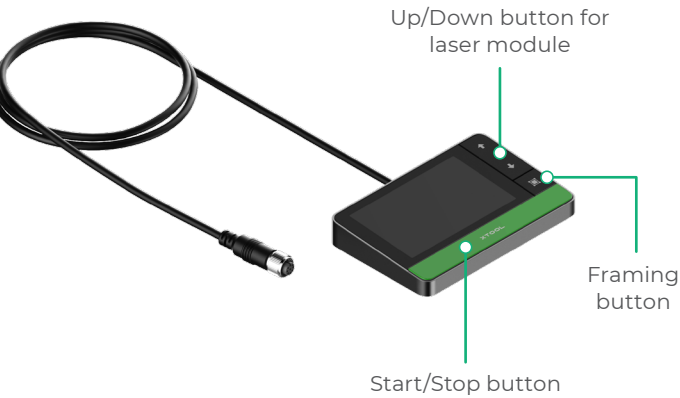

L-shaped positioning piece

Touchscreen controller

Touchscreen controller (Not provided)

💡 No touchscreen controller is included in the pack.

Up/Down button for laser module

- **Up/Down button for laser module:** Lifts or lowers the laser module during manual focusing.
- **Framing button:** Press it once to start or stop framing.
- **Start/Stop button:** Press it once to start or stop material processing; press it twice consecutively to repeat the last processing task.

Framing button

Start/Stop button

⚠️ Before connecting the cable, ensure the power switch is in the OFF position.

⚠️ Ensure that the side with the notch faces upward.
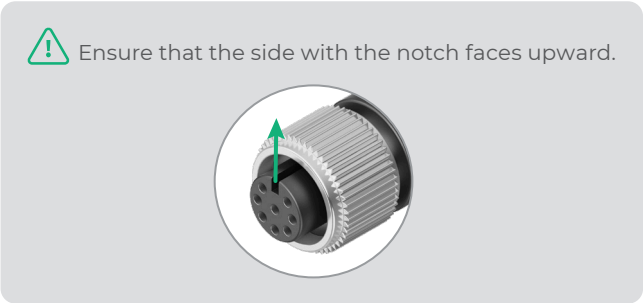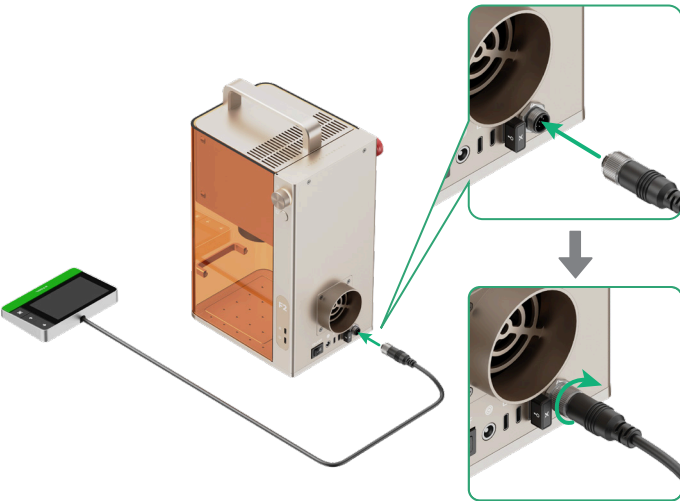
Rotary attachment

Rotary attachment (Not provided)
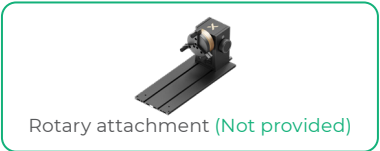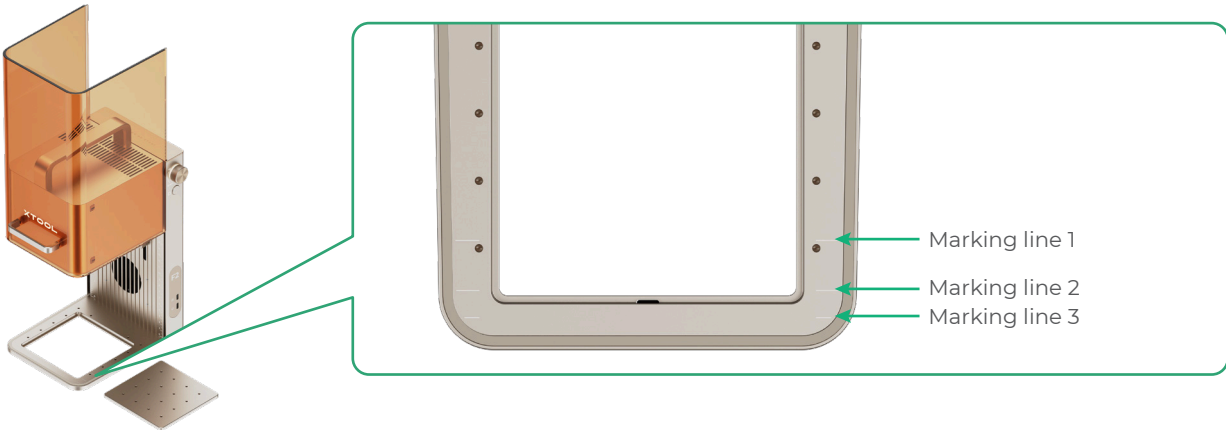
💡 No rotary attachment is included in the pack.

There are three marking lines on the base of xTool F2. Depending on the working mode and level setting of your rotary attachment, align its front bottom edge to the corresponding marking line.

Marking line 1
Marking line 2
Marking line 3

For details about how to use xTool F2 with the rotary attachment, scan the QR code or visit **support.xtool.com/product/13** for reference.

support.xtool.com/product/13

⚠️ Strictly follow the safety instructions to use xTool F2 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.
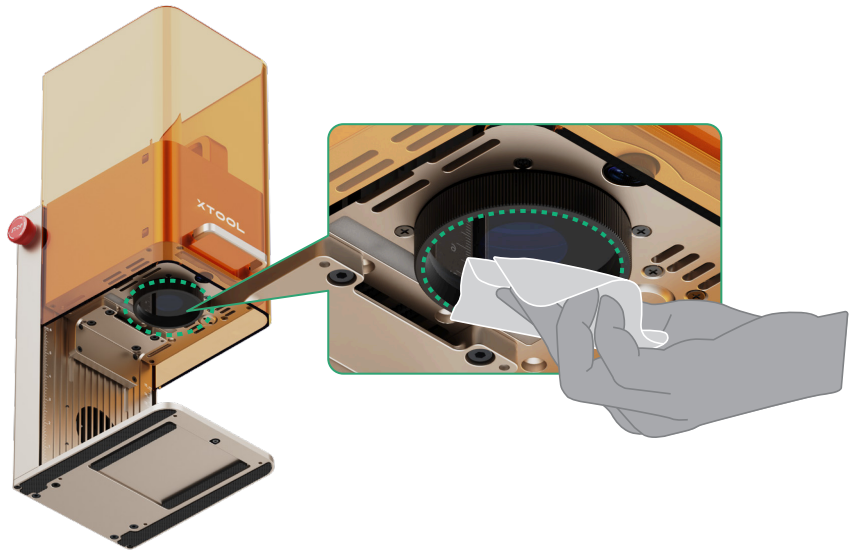
Maintenance

⚠ Disconnect power before maintaining the product.

Clean the field lens

When 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.
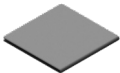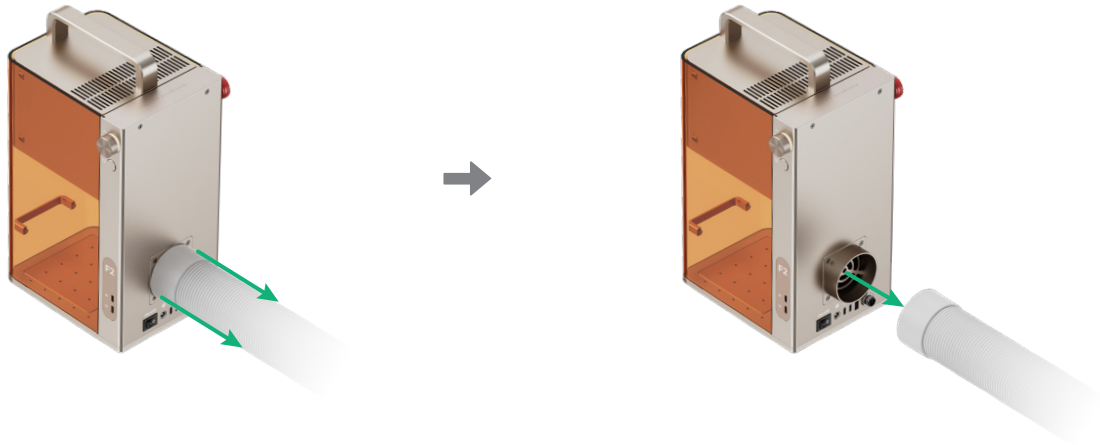
Lint-free cloth

Clean the fan module

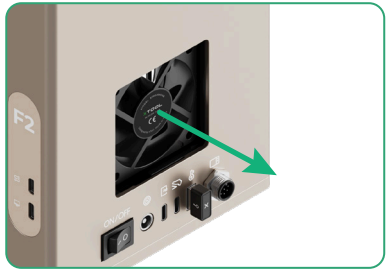When smoke runs out of the protective enclosure, the fan module may be blocked by dust. Clean it to ensure proper smoke exhausting.
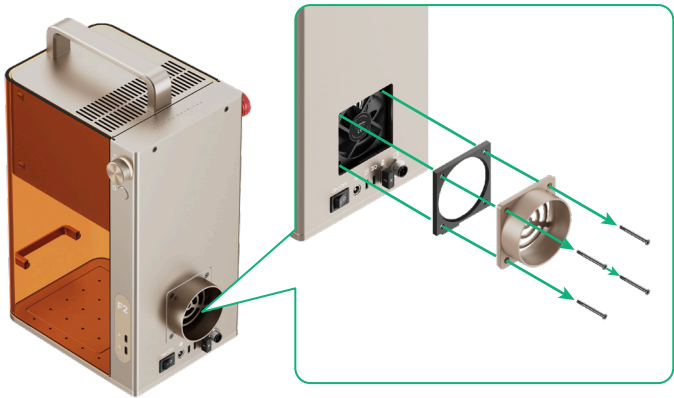
(1) Remove the pipe.

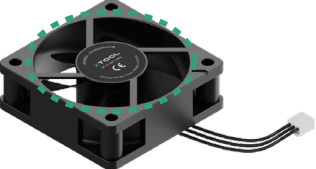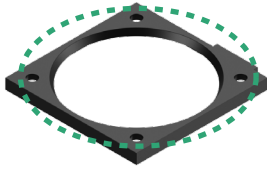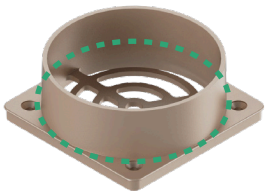**(2)** Open the cover, and then take out the fan module.

Screwdriver

Remove the connector

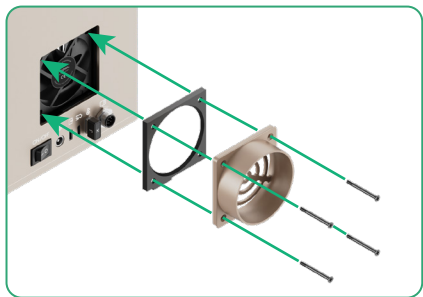**(3)** Use a brush or other tools to clean both sides of the fan module.
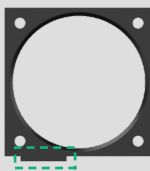
Brush (Not provided)

⚠ The fan module can be rinsed with water, but do not soak it. Ensure it is completely dry before reinstalling.

(4) Install the fan module back to the main unit.

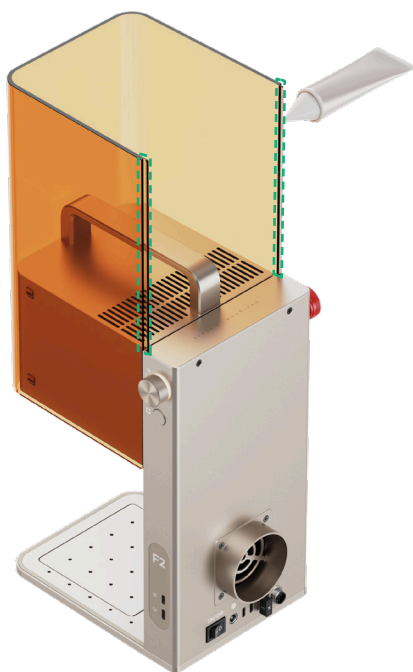Ensure the fan logo faces outward when reinstalling.

Ensure the locating tab of the fan gasket is positioned at the lower-left corner when reinstalling.

Lubricate the protective enclosure

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

Grease

For self-purchase, white lithium grease is recommended.