XTOOL | F2 Ultra UV

Quick Start Guide

Contents

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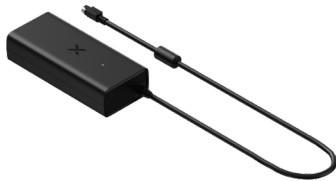
List of items

xTool F2 Ultra UV

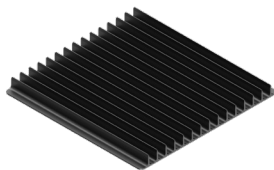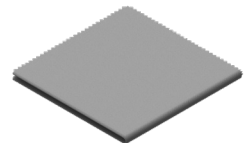Touchscreen controller

Pipe

Power adapter

Power cable

USB cable

Slatted panel

L-shaped positioning piece

Lint-free cloth

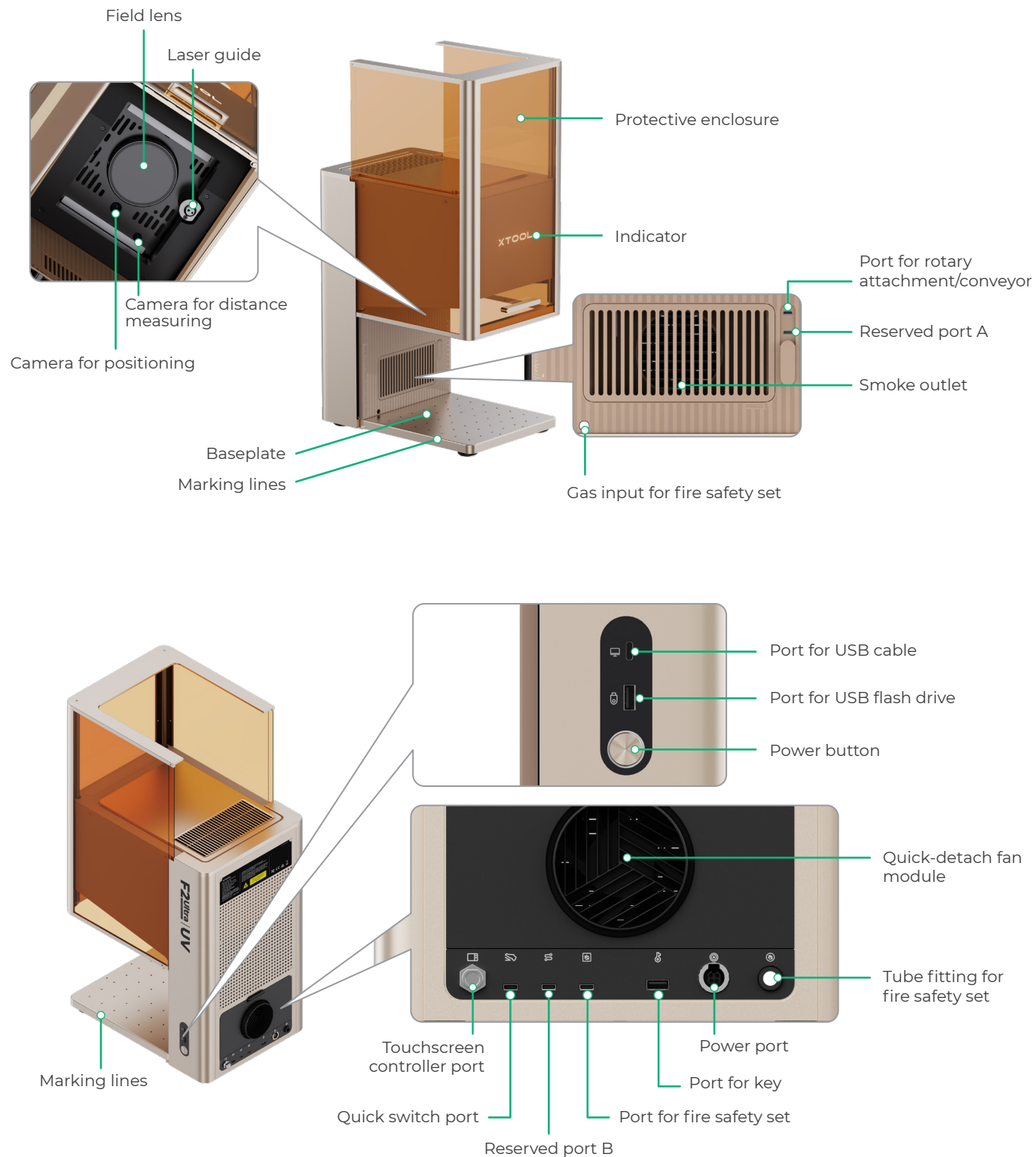Screwdriver 2.5 mm

Material pack
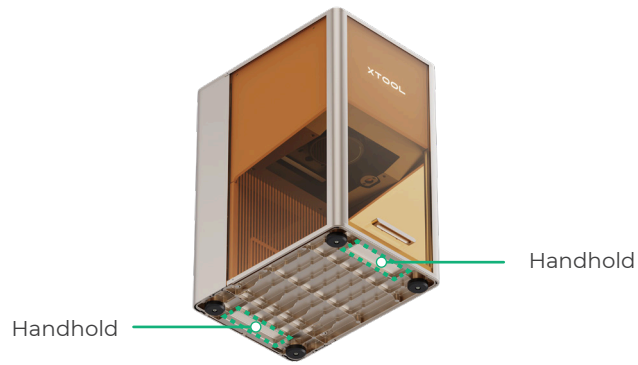
Quick Start Guide

Safety Instructions

The power cable may vary according to kits. The illustration is for reference only.
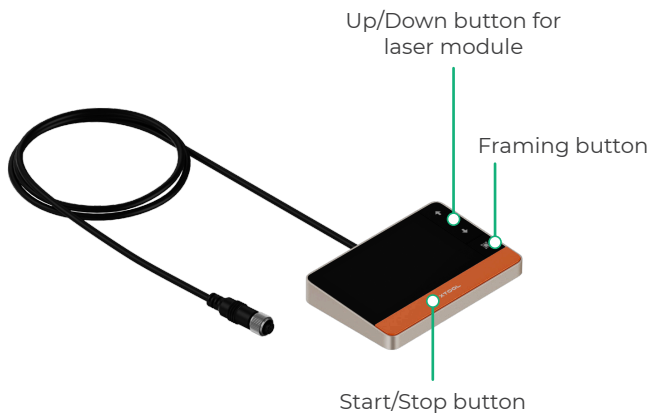
Meet xTool F2 Ultra UV

Product structure

Field lens

Laser guide

Camera for distance measuring

Camera for positioning

Protective enclosure

Indicator

Port for rotary attachment/conveyor

Reserved port A

Smoke outlet

Baseplate

Marking lines

Gas input for fire safety set

Port for USB cable

Port for USB flash drive

Power button

Quick-detach fan module

Tube fitting for fire safety set

Marking lines

Touchscreen controller port

Quick switch port

Reserved port B

Power port

Port for key

Port for fire safety set

⚠ Reserved port A and reserved port B function differently and can not be used interchangeably.

Handhold

Handhold

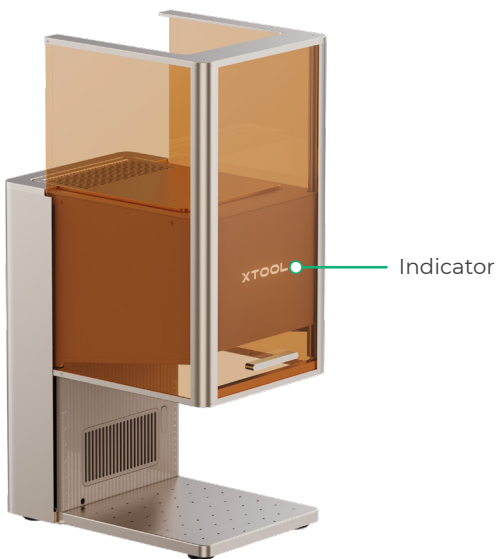> 💡 By gripping on the handholds, you can easily move the machine.

Touchscreen controller

Up/Down button for laser module

Framing button

Start/Stop button

- **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.

Common machine states and indicator display

Indicator

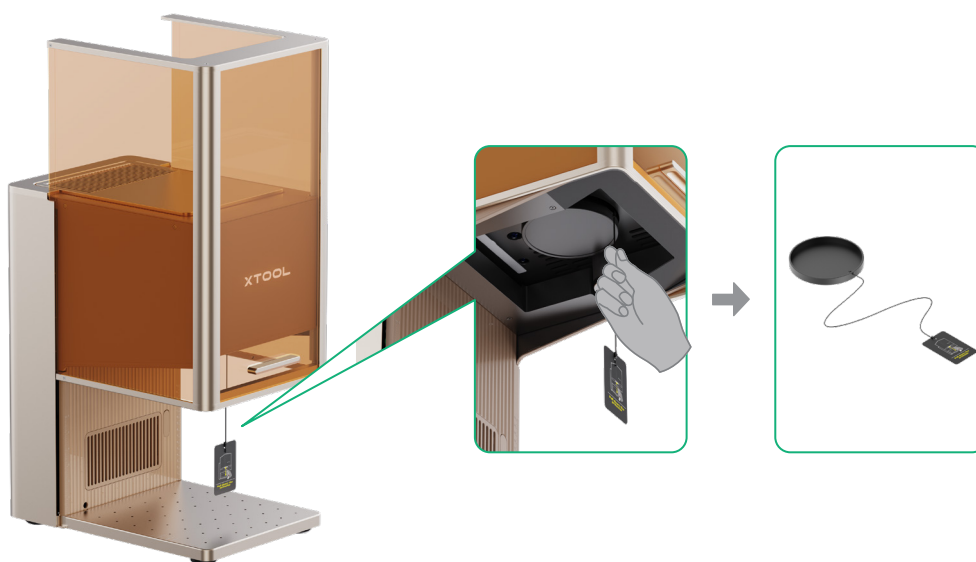| Indicator display		Machine state
xTOOL	Solid on	Powered on
xTOOL	Blinking slowly	Processing
xTOOL	Blinking rapidly	Setting network / Upgrading firmware
xTOOL	Going off	Sleeping / Powered off

Specifications

Product name	xTool F2 Ultra UV
Model	MXF-K007-001
Internal working area	200 mm × 200 mm
Voltage	110 V / 220 V
Size (W × D × H)	294 mm × 429 mm × 520 mm

Working laser	5 W UV laser
Working laser wavelength	355 ± 5 nm
Maximum processing speed	15,000 mm/s
Connection mode	Wi-Fi, USB, IP
/	/

Install xTool F2 Ultra UV

1 Detach the field lens protector.

💡 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.
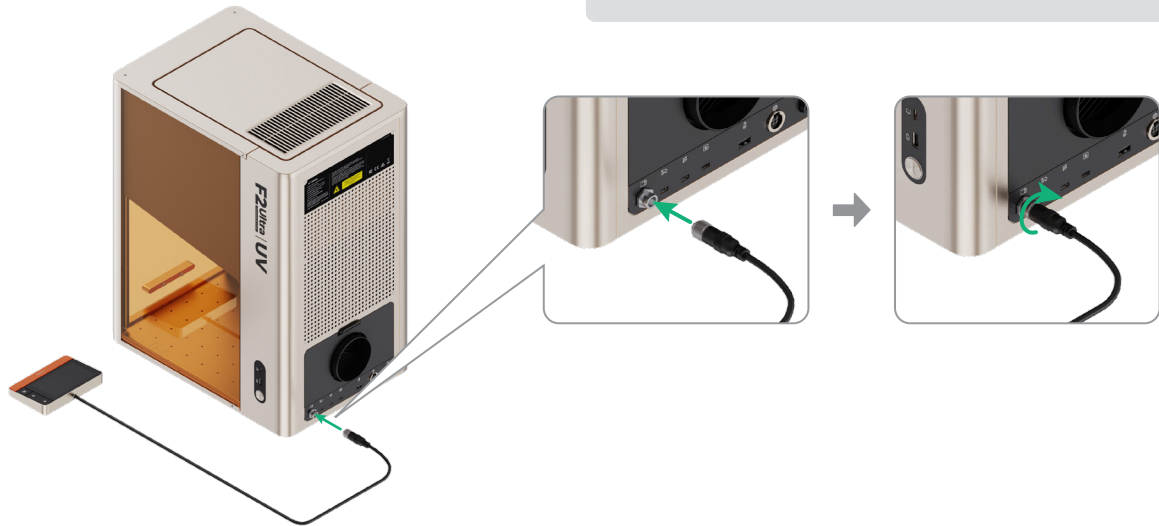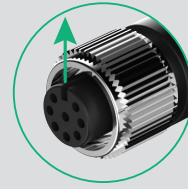
2 **Connect the touchscreen controller.**

Touchscreen controller

⚠ Ensure that the side with the notch faces upward.
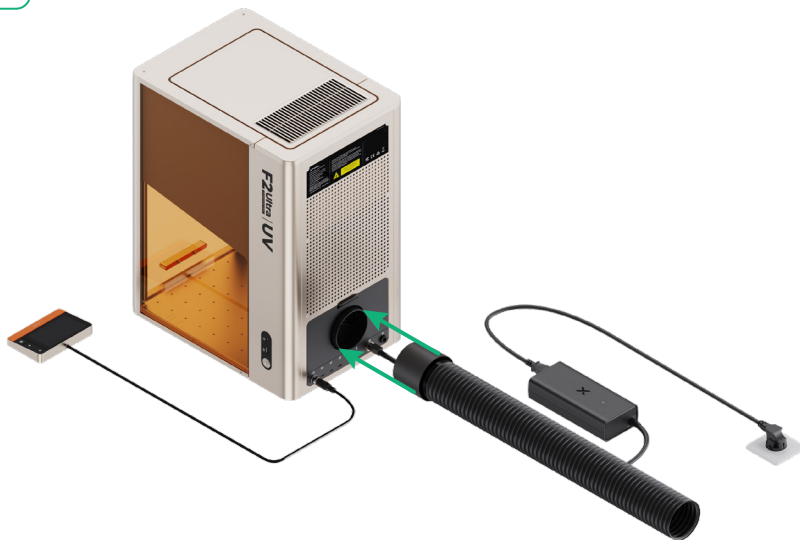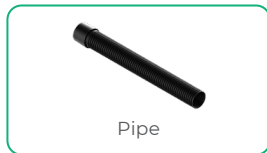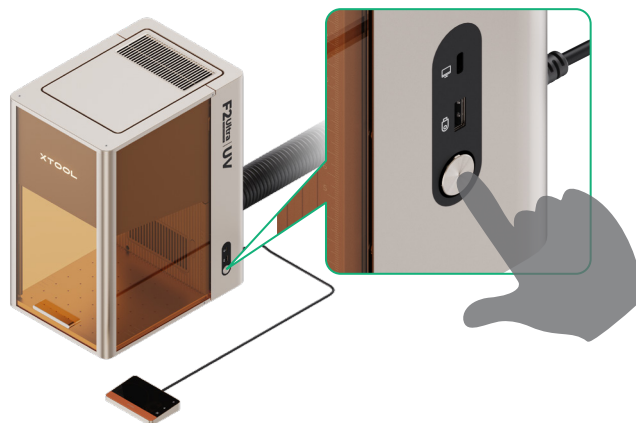

3 **Connect to a power supply.**

Power adapter   Power cable

4 **Install the pipe.**

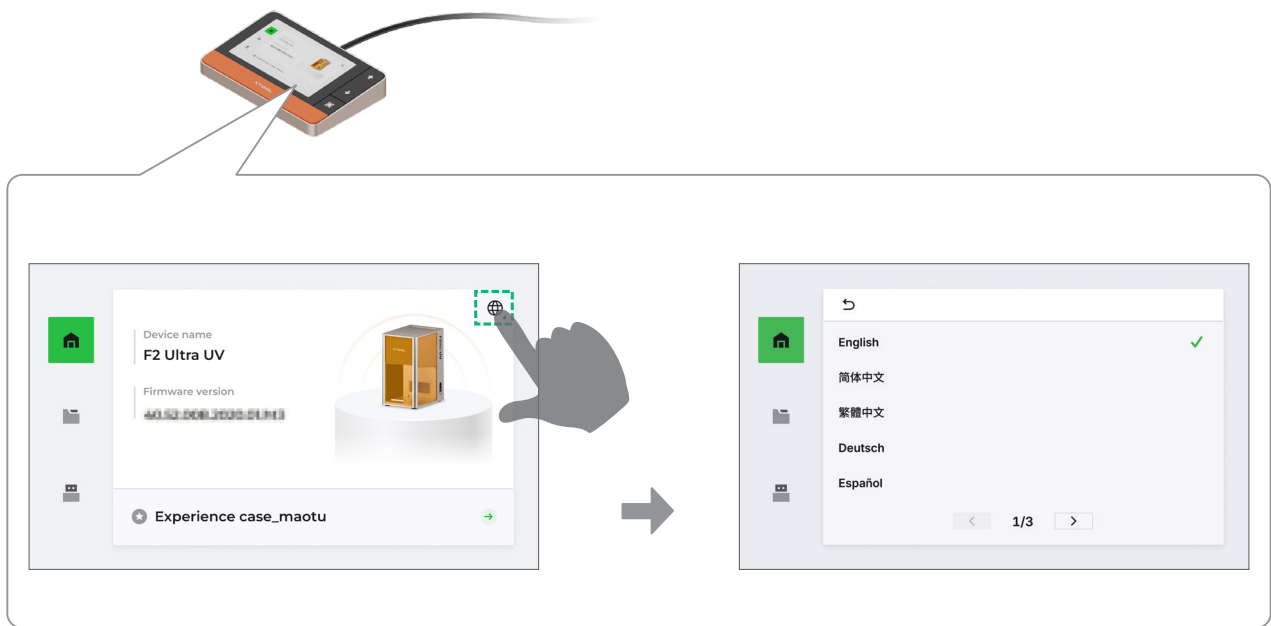Pipe

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Use xTool F2 Ultra UV

Power on

Press the power button to turn on *xTool F2 Ultra UV*.

💡 **To extend the machine's lifespan, run it at least once every three months.**

Set the language

Set the UI language on the touchscreen controller.

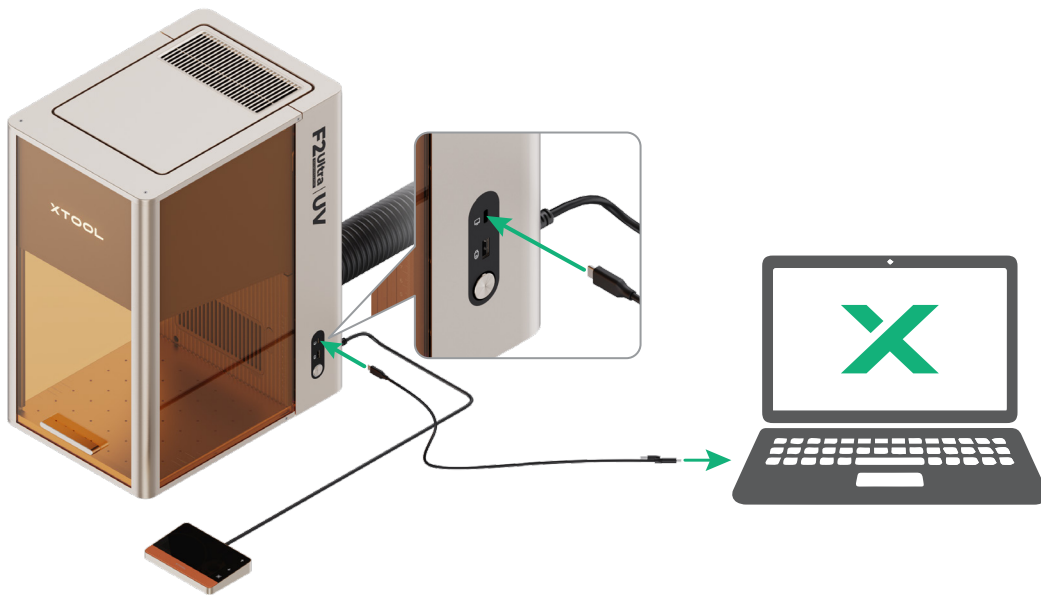

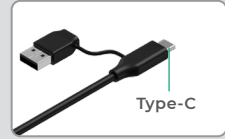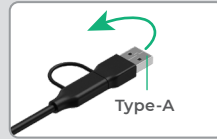## Operate xTool F2 Ultra UV with the software

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

(2) Use the USB cable to connect xTool F2 Ultra UV to your computer, and then connect xTool F2 Ultra UV in the software.

USB cable

The other end of the USB cable can be connected to a USB Type-A or Type-C port. Choose between the connectors based on your needs.

Type-A

Type-C

For details about how to use the software to operate xTool F2 Ultra UV to process materials, scan the QR code or visit the link.
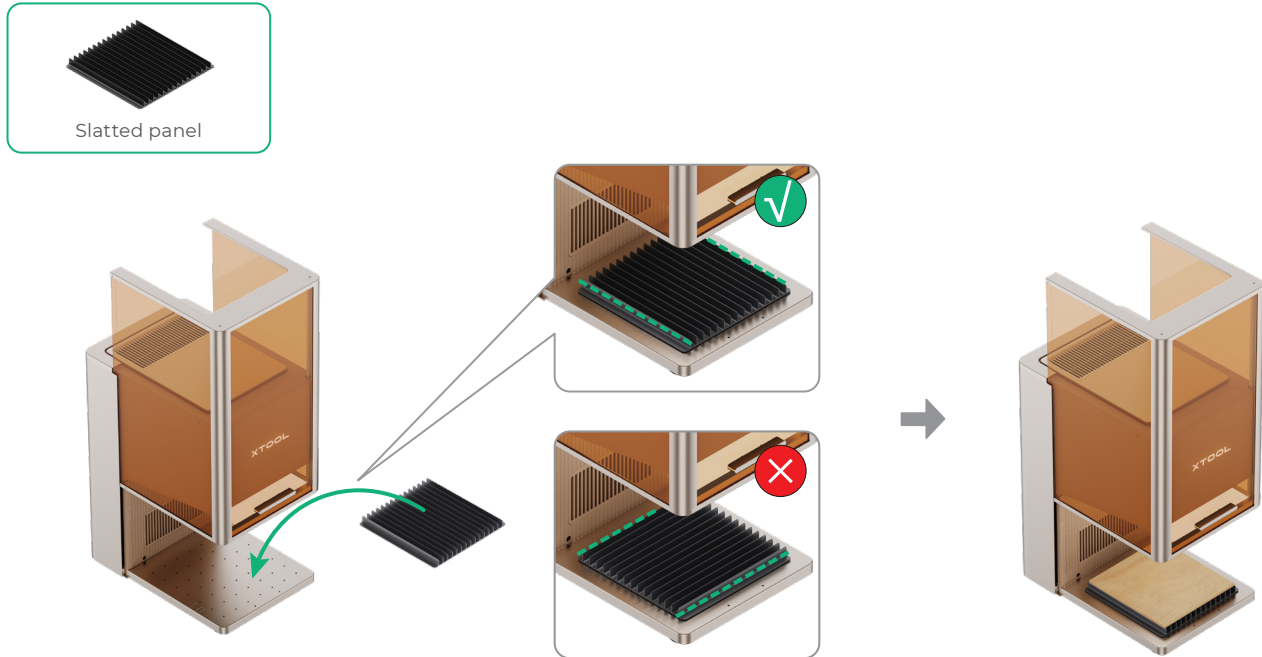
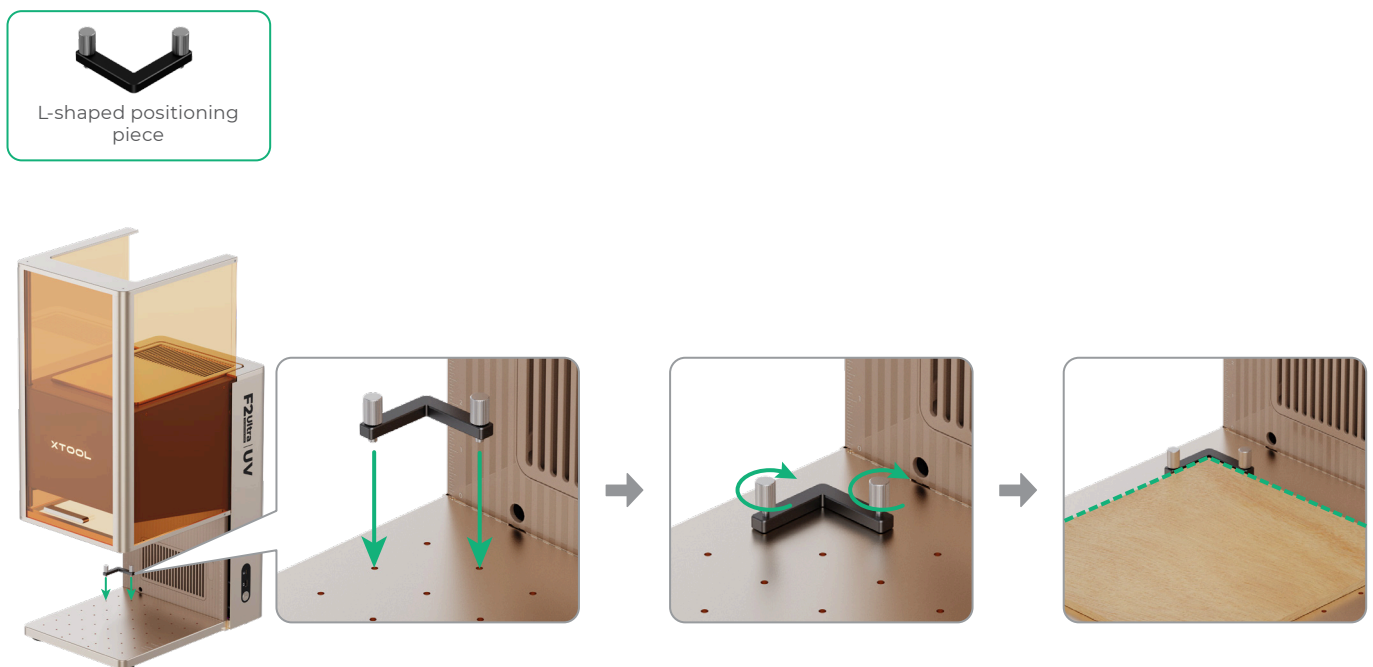support.xtool.com/product/70

Use accessories

Slatted panel

To cut a material, you are advised to use the slatted panel. It helps reduce burn marks and protects the baseplate during material processing.

Slatted panel

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.

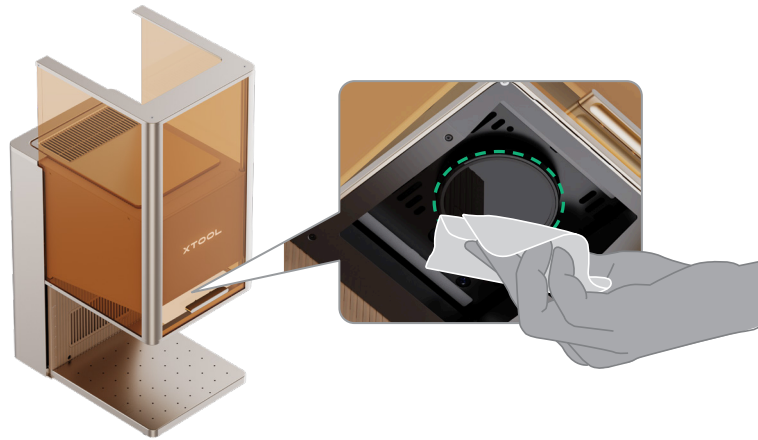L-shaped positioning piece

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.
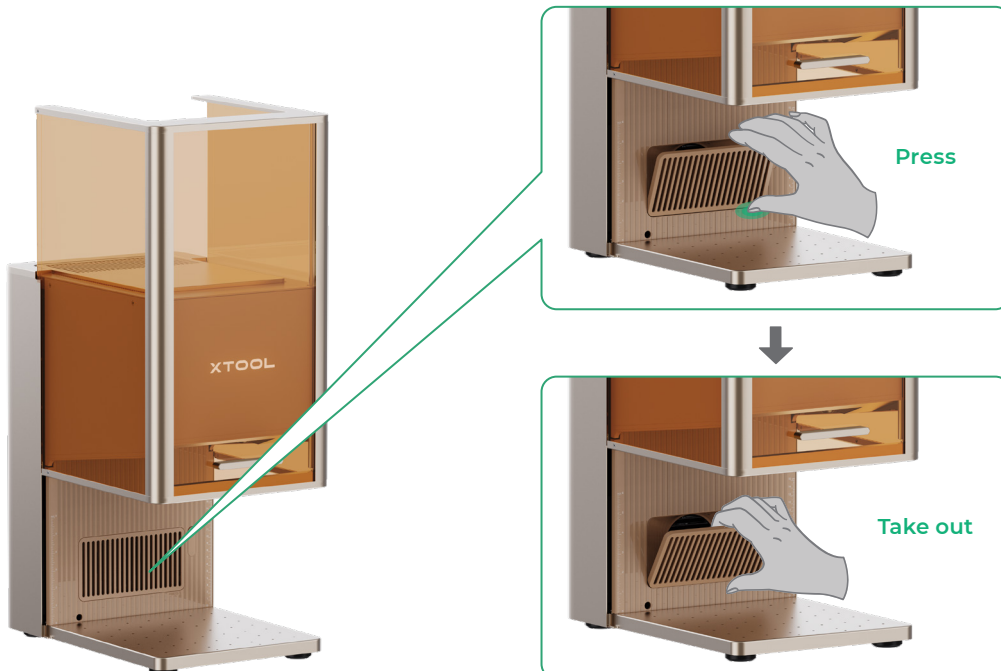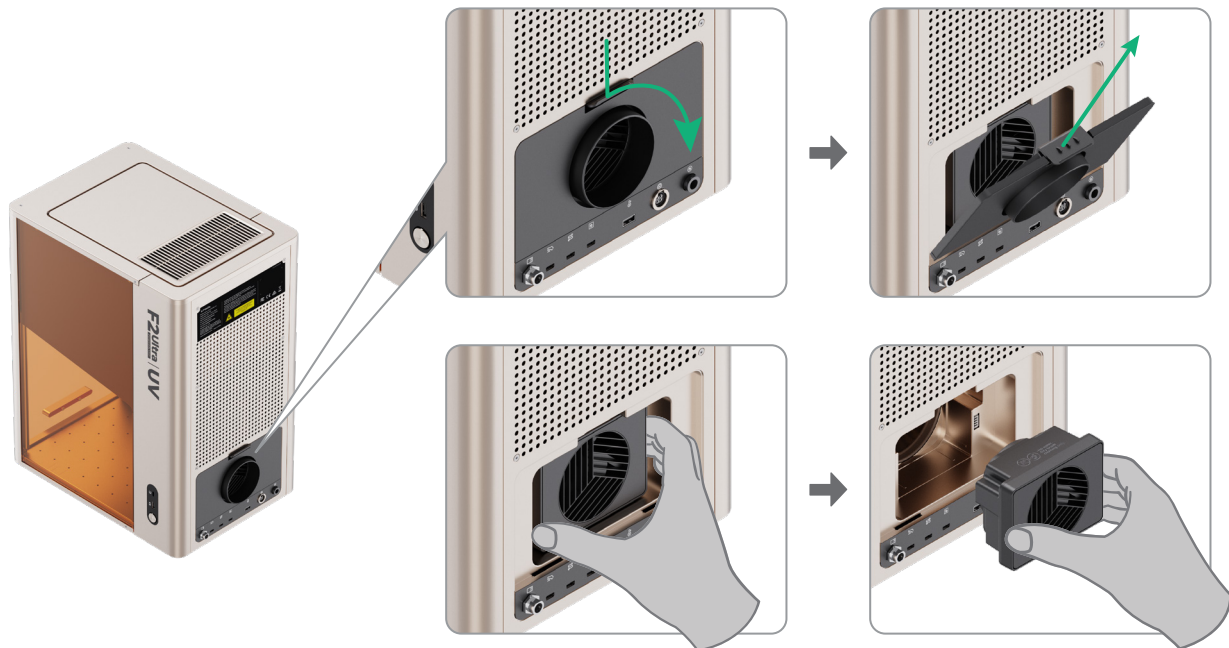
Lint-free cloth

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.
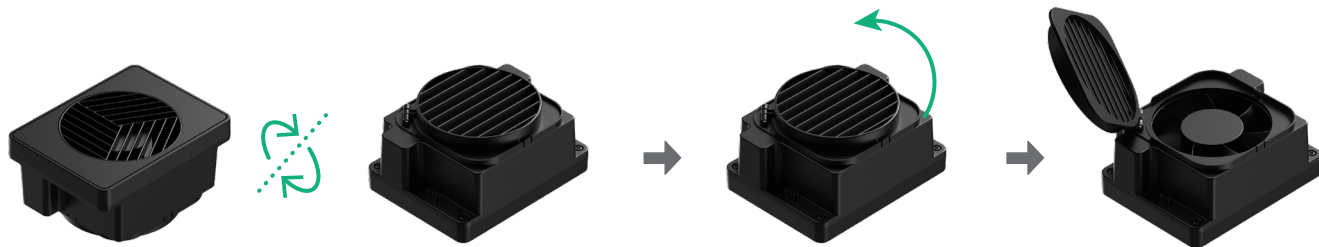
(1) Remove the magnetic fan guard from the smoke outlet.
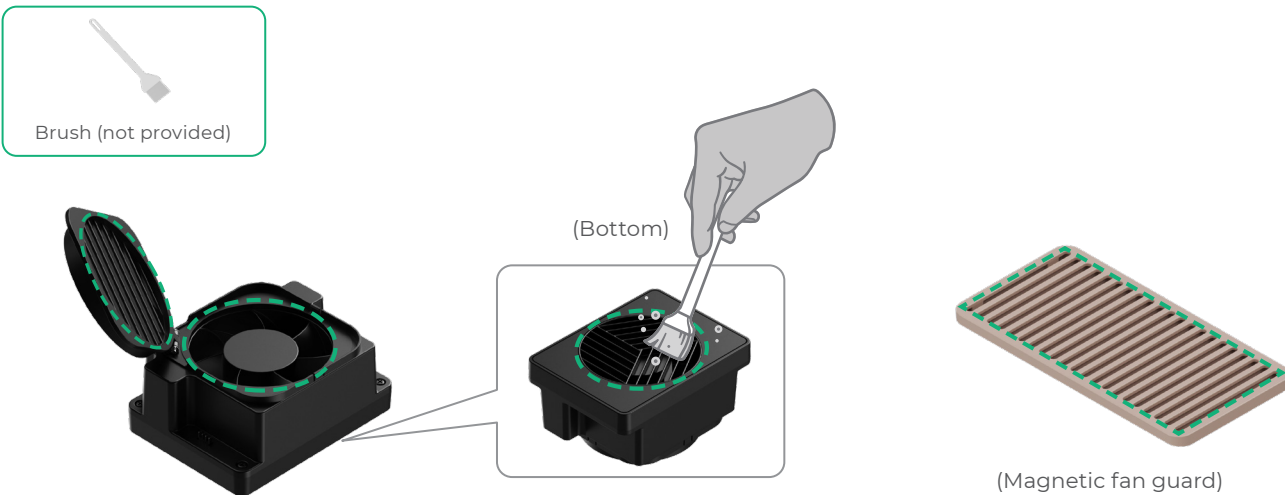
Press

Take out

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

(3) Open the cover to access the fan.

(4) Use a brush or other tools to clean the fan module and the magnetic fan guard. Then, install them back to the main unit.

Brush (not provided)

(Bottom)

(Magnetic fan guard)

⚠ Do not rinse or immerse the fan module in water, as it may damage the circuit.

xTOOL