XTOOL | F1 Ultra

Quick Start Guide

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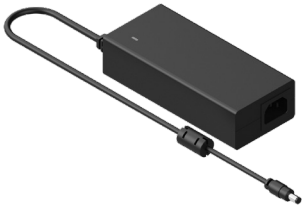
xTool F1 Ultra

Touchscreen controller

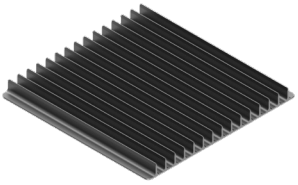
Pipe



Power adapter

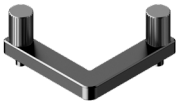
Power cable

USB cable



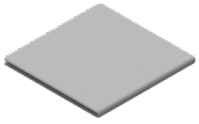
Slatted panel

Screwdriver



L-shaped positioning piece

Key



Lint-free cloth

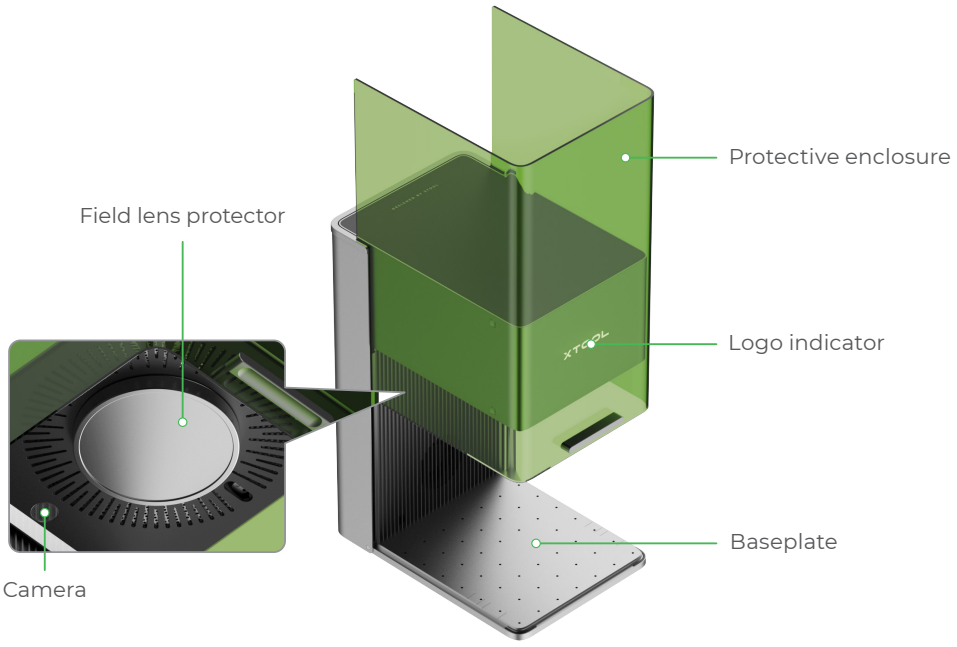
Material pack

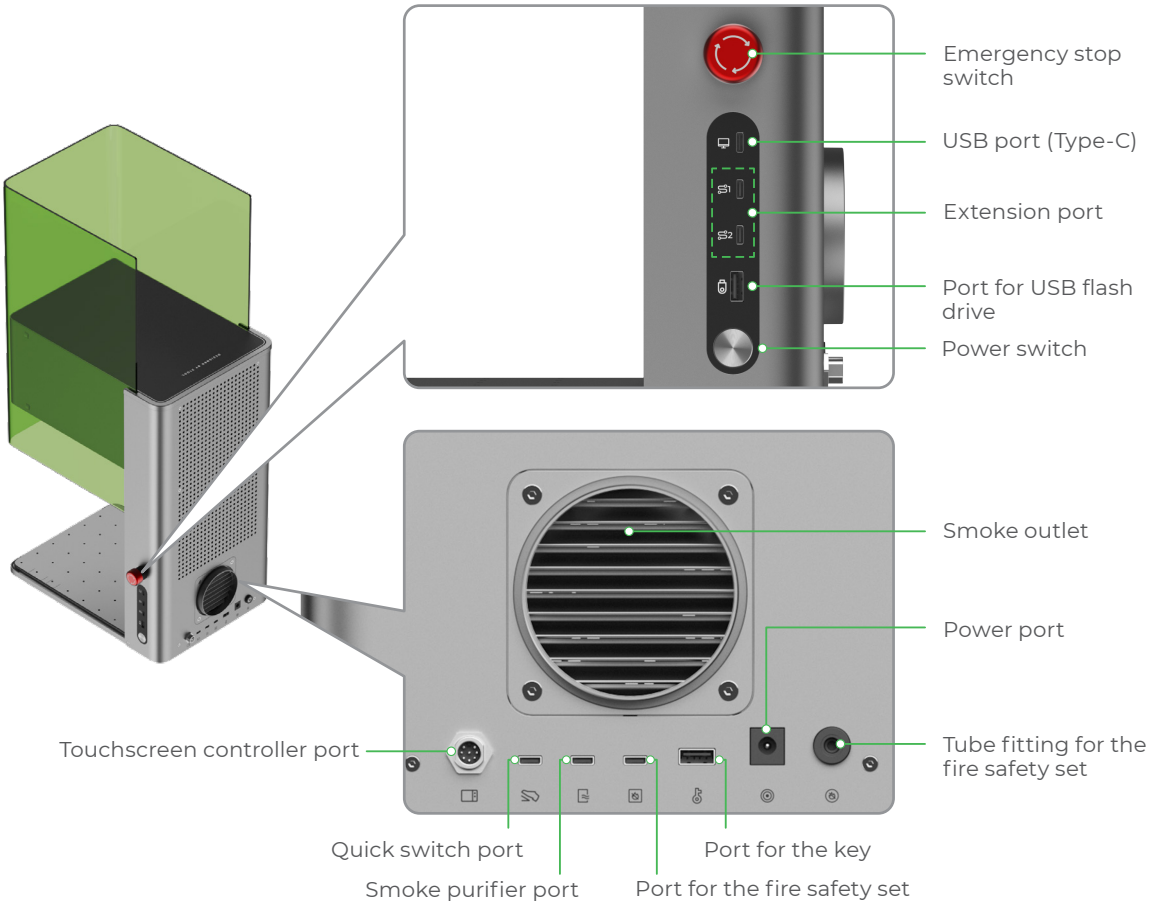
Quick Start Guide

Safety Instructions

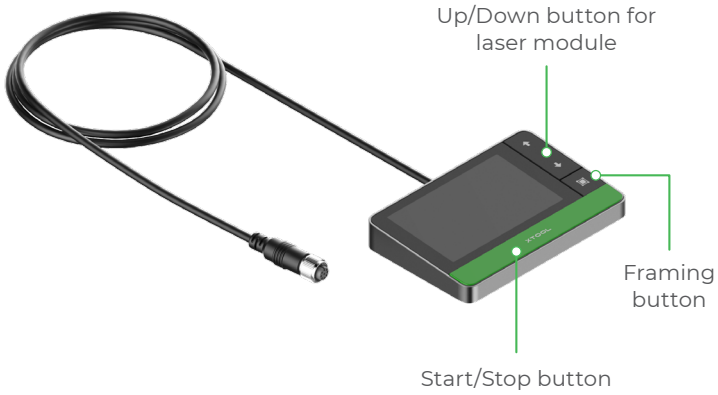
Meet your xTool F1 Ultra

Product structure



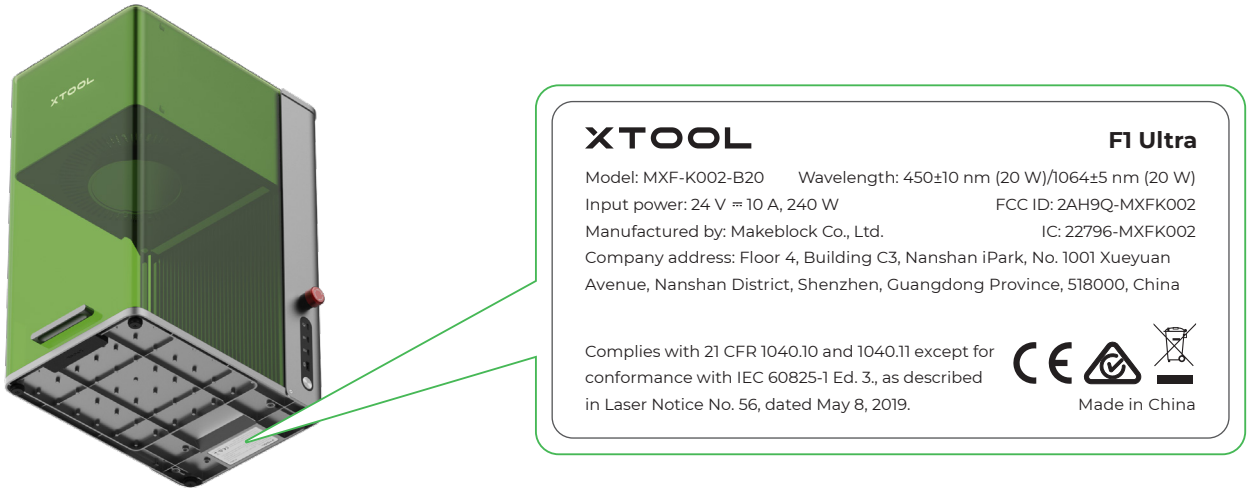


Touchscreen controller



- **Up/Down button for laser module**: Lifts or lowers the laser module during manual focusing.
- **Framing button**: Starts or stops framing.
- **Start/Stop button**: Starts or stops material processing.

Nameplate



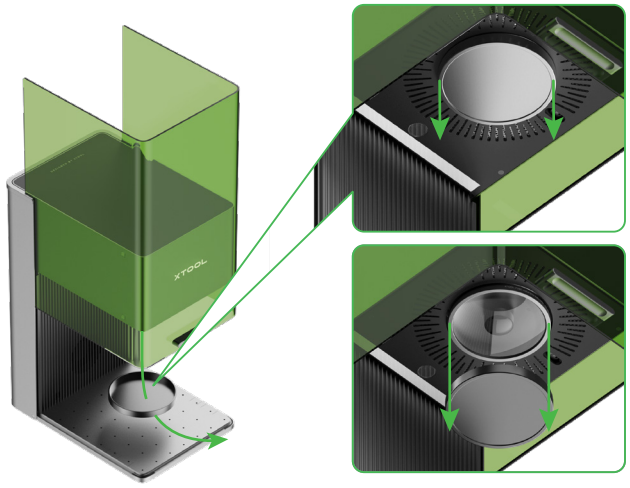
Specifications

Product name	xTool F1 Ultra
Size	493 mm × 253 mm × 373 mm
Internal working area	220 mm × 220 mm
Maximum processing speed	10,000 mm/s

Input power	24 V ⎓ 10 A, 240 W
Laser module	455 nm blue-light laser 1064 nm fiber infrared laser
Laser power	20 W (455 nm) 20 W (1064 nm)
Connection mode	Wi-Fi, USB, IP

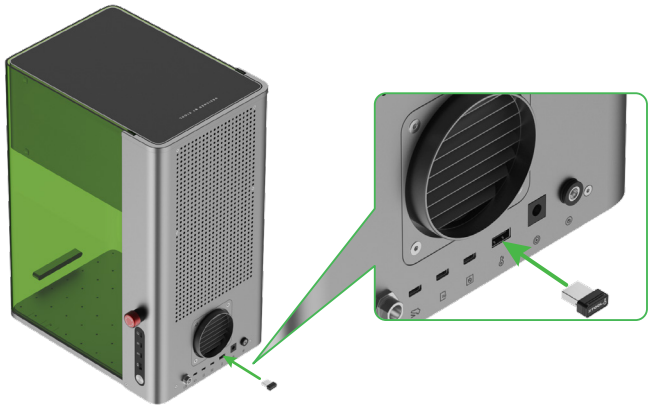
Get the machine ready

1 Pull down the field lens protector to remove it.



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.

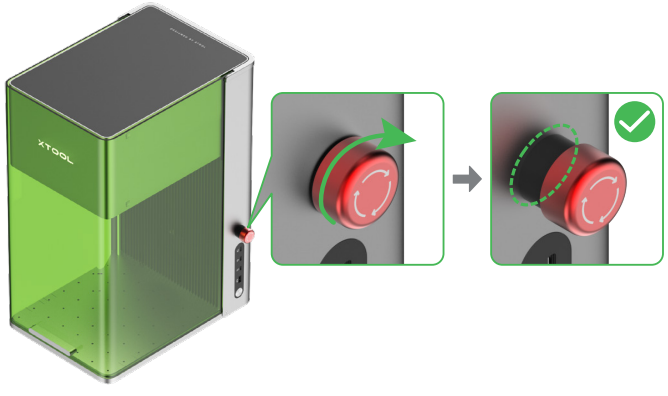
2 Insert the key.



Operation access control

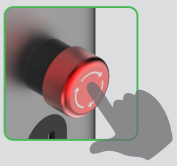
You can remove the key to disable the processing and related functions of the machine.

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



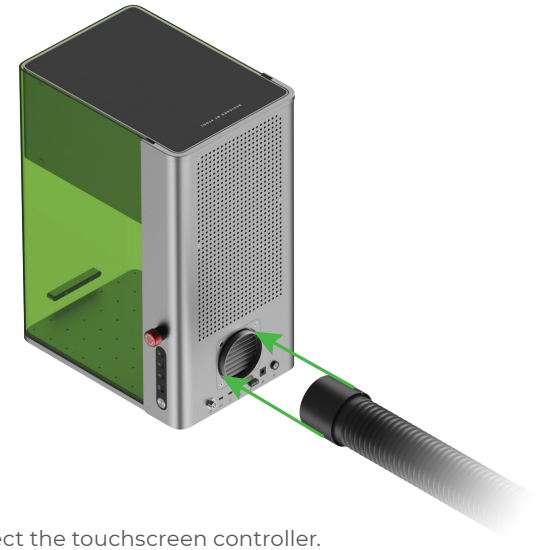
Emergency stop

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

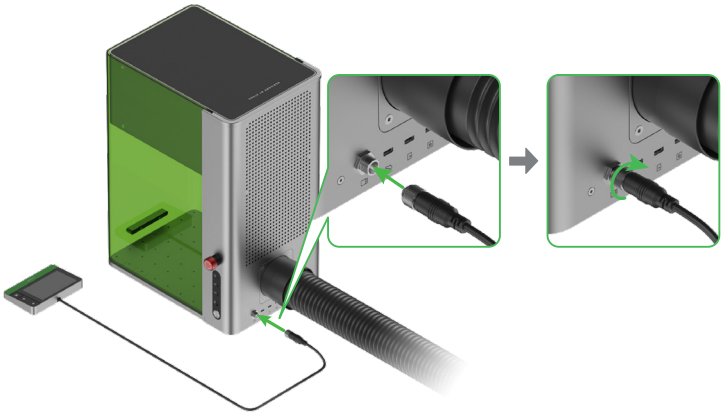


After dealing with the emergency, you can turn the emergency stop switch to reset it.

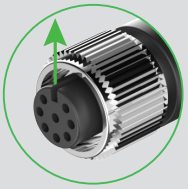
4 Install the pipe.



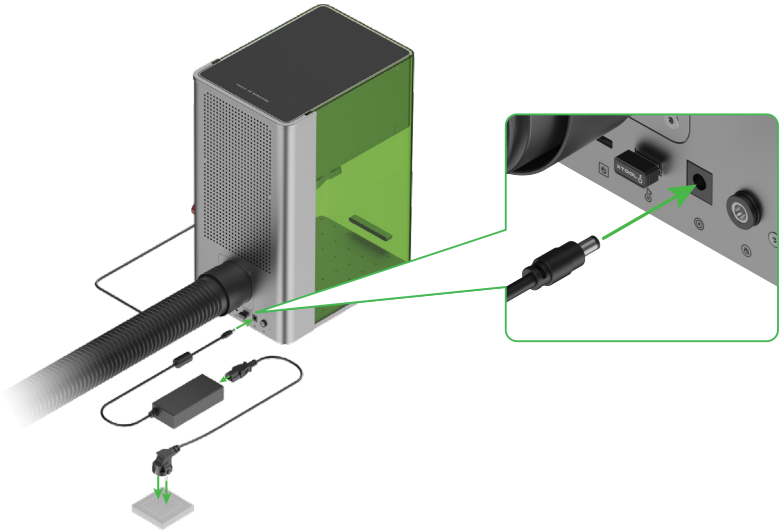
5 Connect the touchscreen controller.



To insert the connector, ensure that the notch at the end faces up.



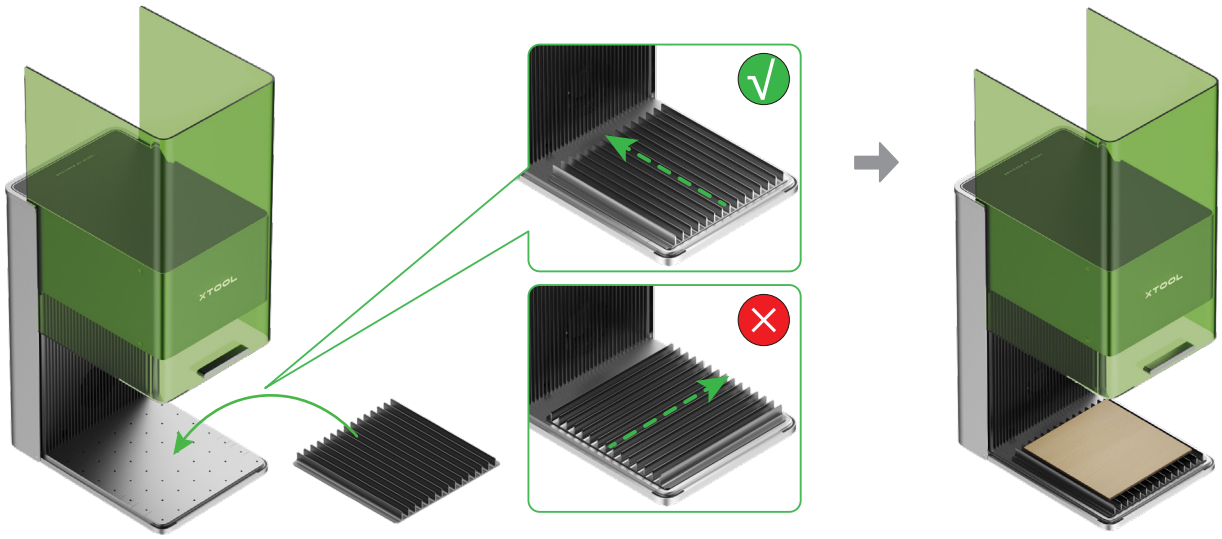
6 Connect to a power supply.



Install accessories

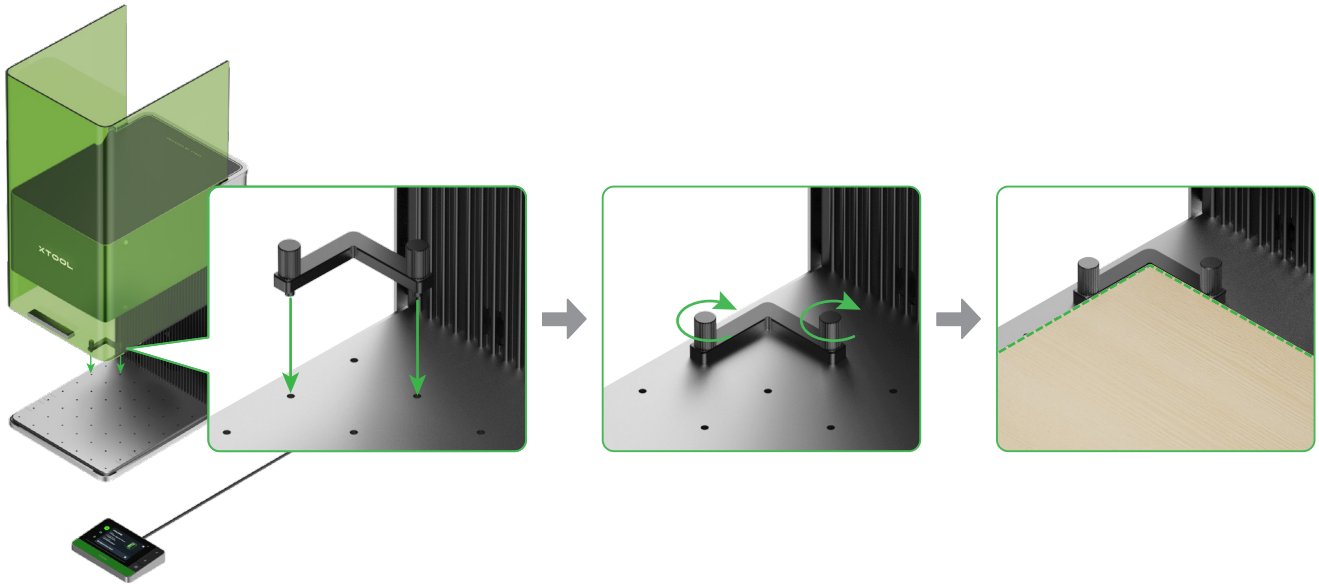
Use the slatted panel

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 your xTool F1 Ultra

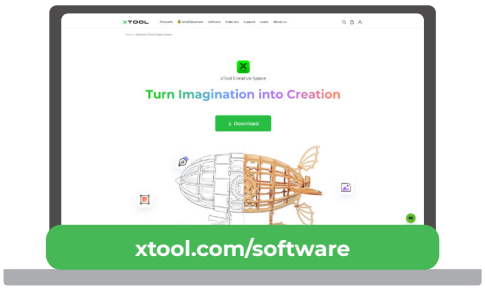
Power on and set up language

Press the power switch to turn on xTool F1 Ultra and set the UI language of the touchscreen controller.

Use software to operate xTool F1 Ultra

For computers

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

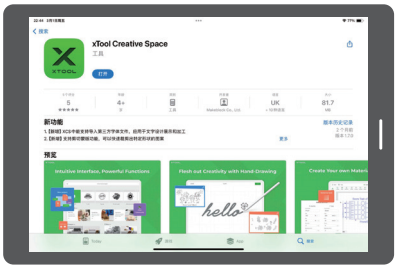


xTool Creative Space

(2) Use the USB cable to connect xTool F1 Ultra to the computer, and then connect xTool F1 Ultra 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 app and install it.

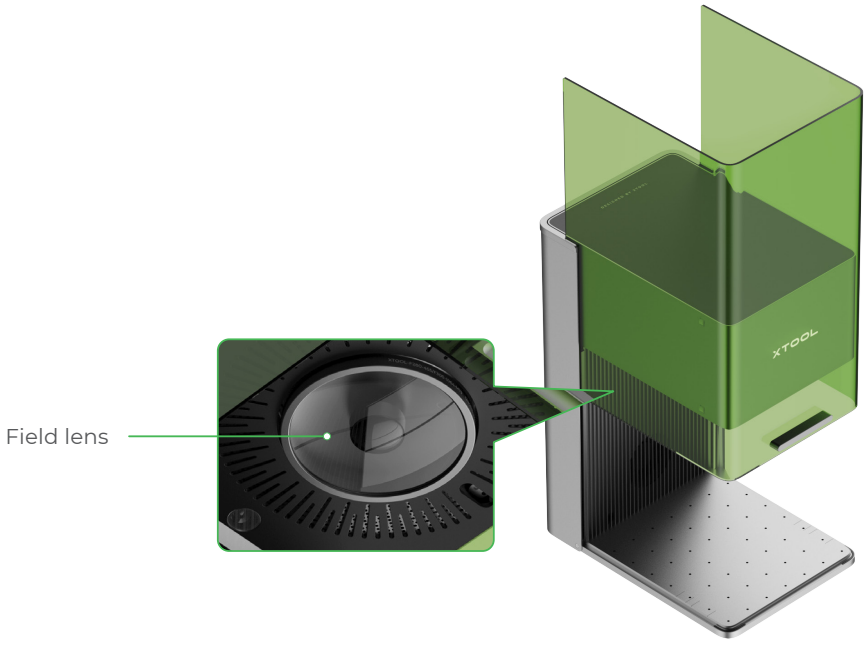


Follow the online instructions for the App to connect xTool F1 Ultra on the App.

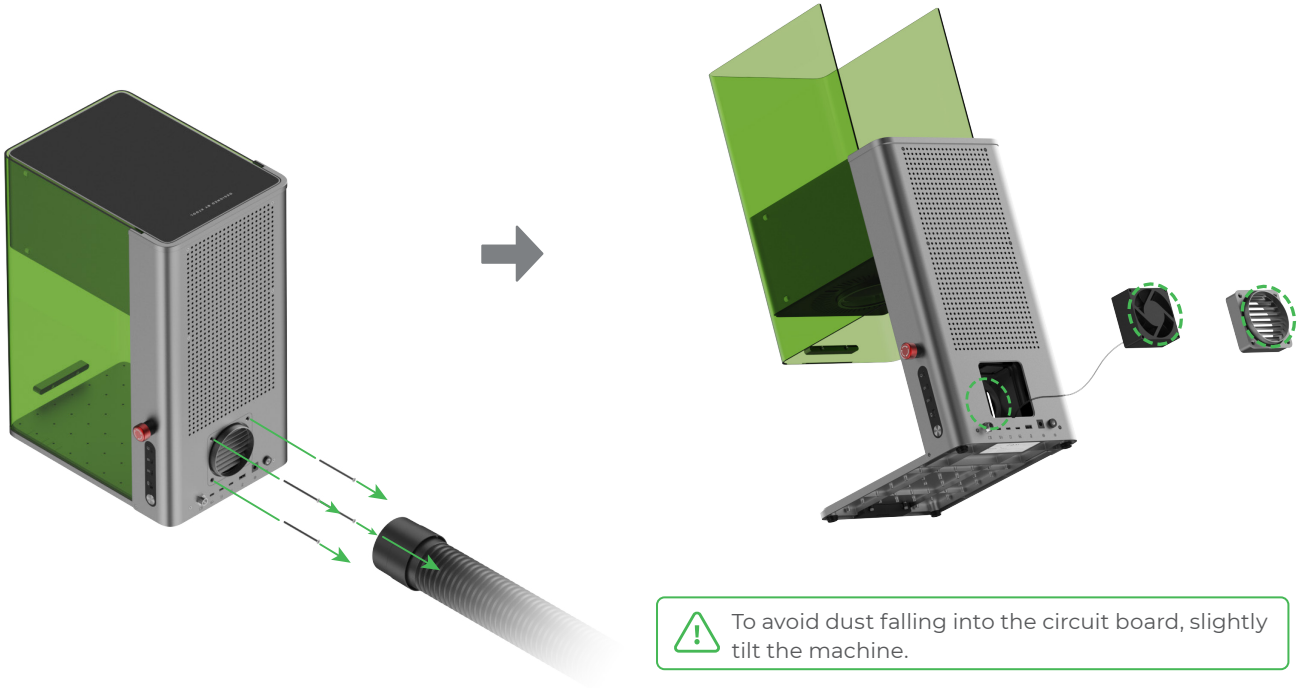
For details about how to use XCS to operate xTool F1 Ultra to process materials, scan the QR code or visit **support.xtool.com/product/33**.

Maintenance

■ 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 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.