

# XTOOL | P2

## Quick Start Guide

XTOOL



# Contents

List of items ----- 1

Open the box and take out all the items ----- 2

Meet your xTool P2 ----- 5

Preparations ----- 7

Use xTool P2 ----- 15

For online help, visit [support.xtool.com](https://support.xtool.com).

线上帮助, 请访问 [makeblock.com/cn/docs/xtool-p2](https://makeblock.com/cn/docs/xtool-p2)。



[makeblock.com/cn/docs/xtool-p2](https://makeblock.com/cn/docs/xtool-p2)



[support.xtool.com](https://support.xtool.com)

# List of items



xTool P2



Power cable



USB cable (Type-C)



Smoke exhaust pipe components



Antifreeze



Funnel



Basswood 3 mm



Corrugated paper 3.5 mm



Transparent acrylic



Screwdriver



Hex key



Quick Start Guide



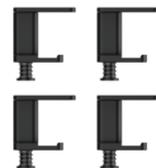
Instructions



Screw M3\*6 (spare parts)



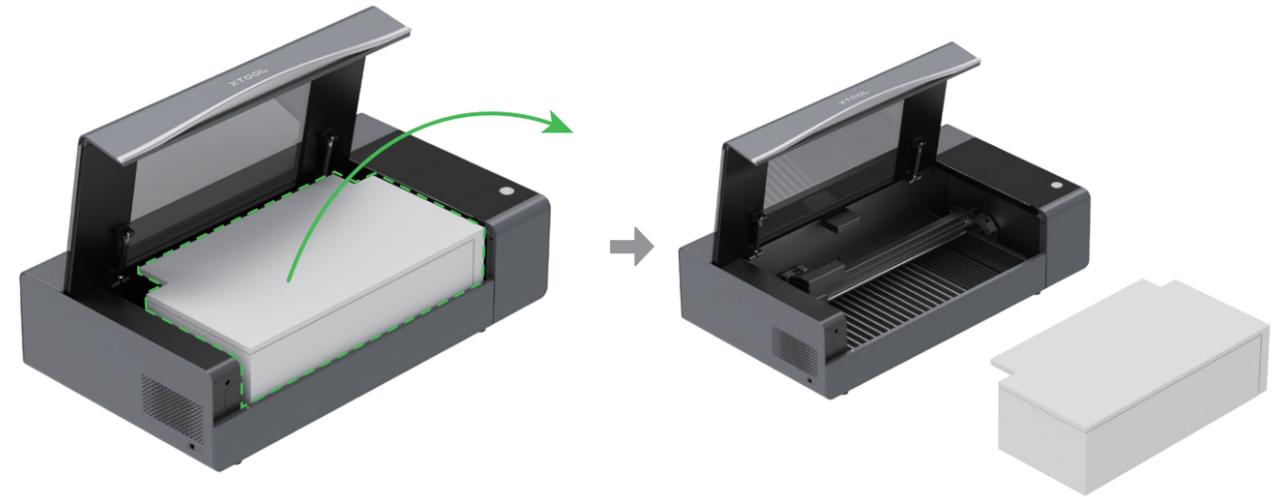
Screw M3\*22 (spare part)



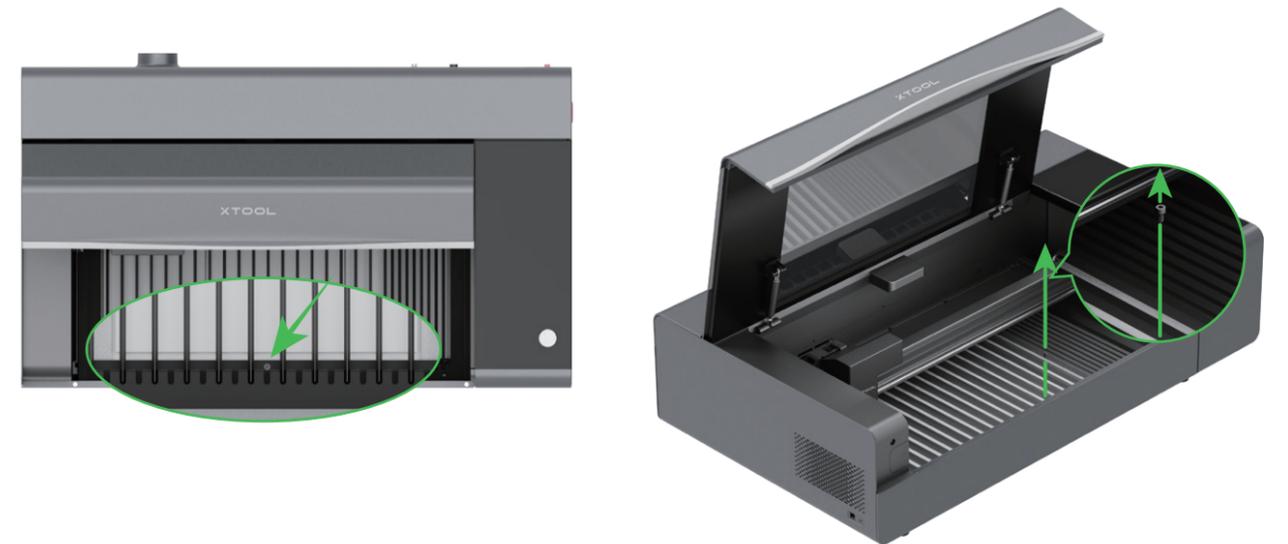
Material clamp

# Open the box and take out all the items

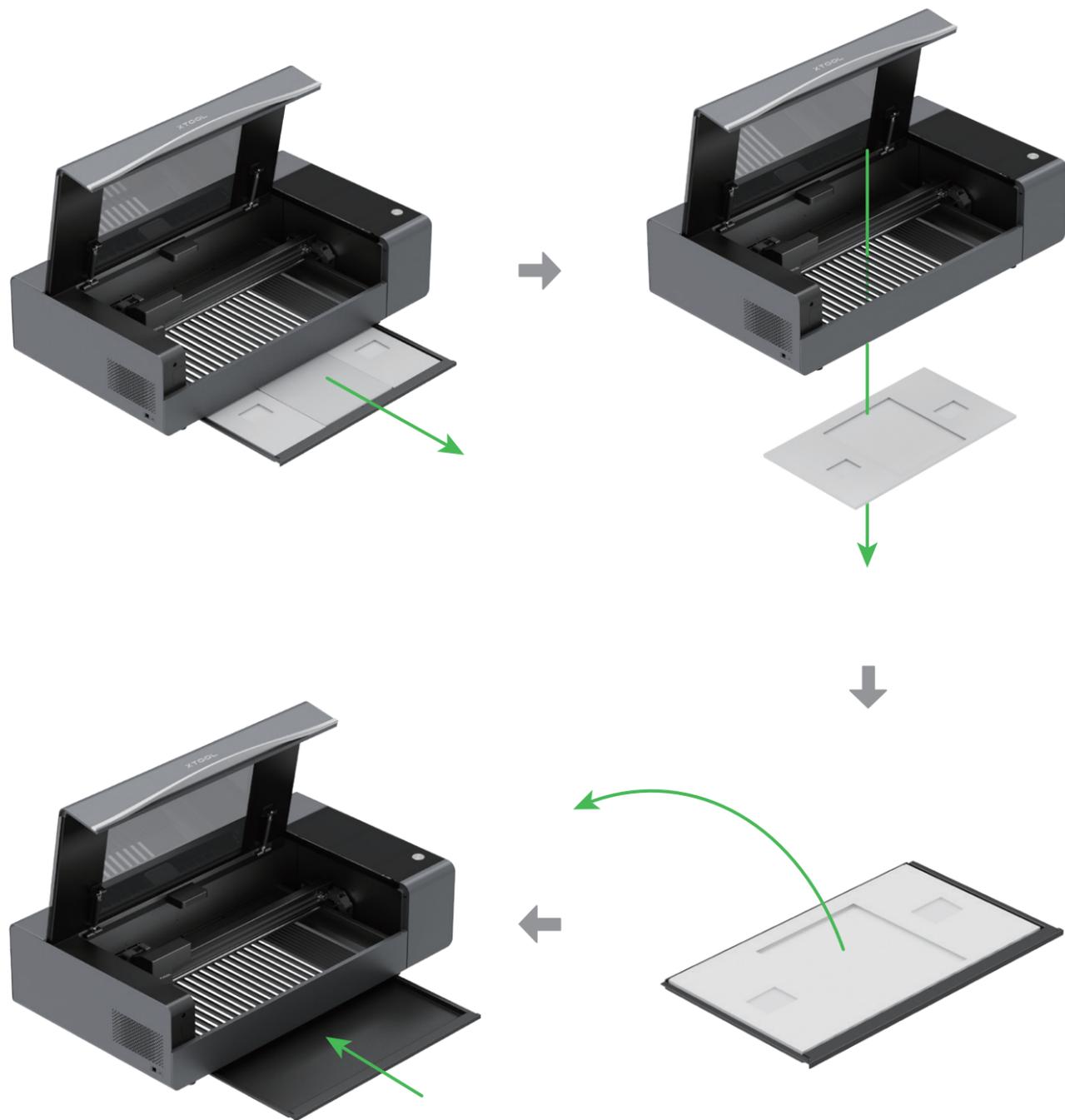
(1) Open the lid and take all the items out



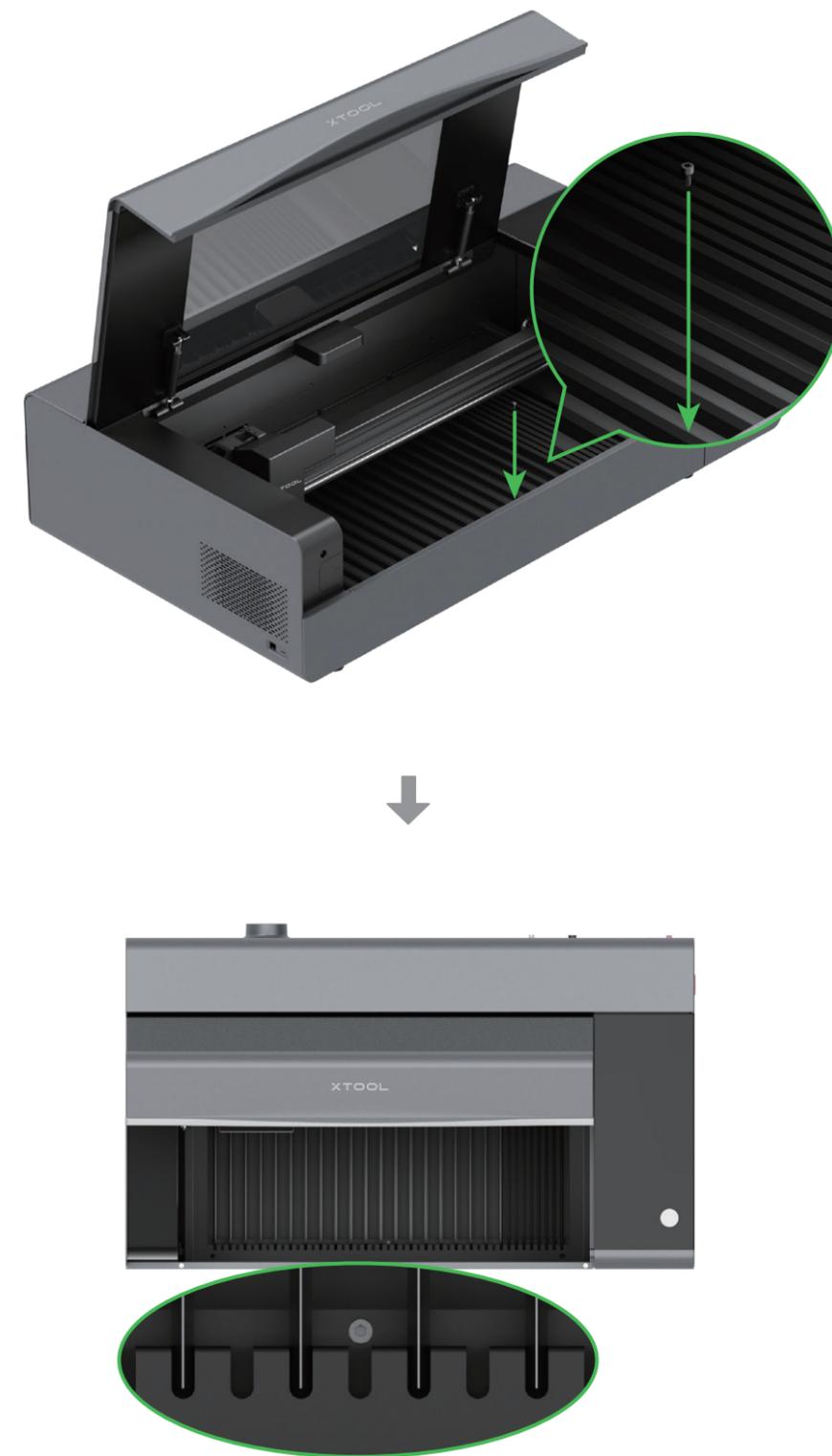
(2) Unscrew the screw that fixes the baseplate



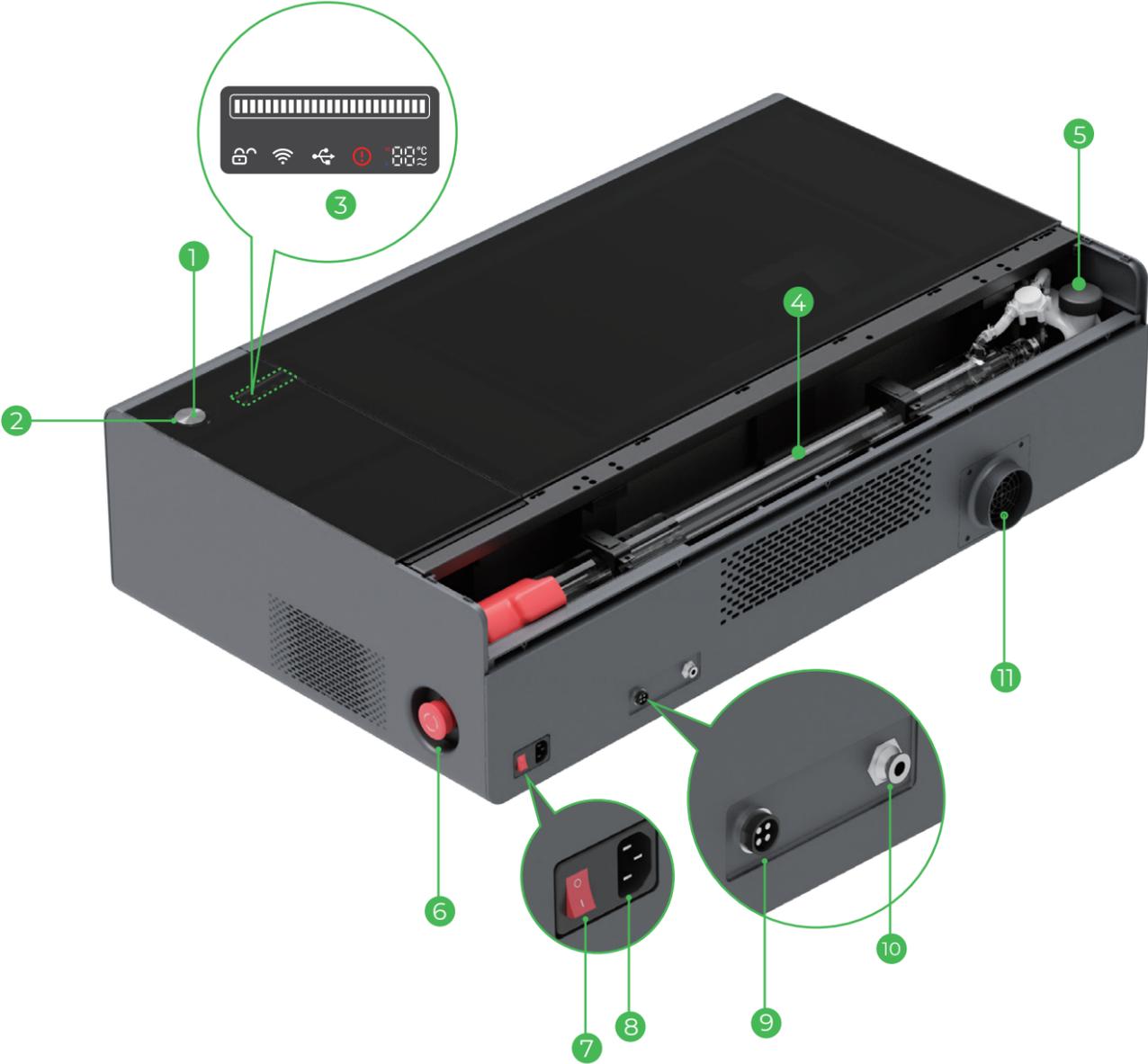
(3) Take out the foam and acrylic sheets and put the baseplate back to the machine



(4) Tighten the screw that fixes the baseplate



# Meet your xTool P2



- ① Button
- ② Annular indicator
- ③ State display screen
- ④ Laser tube
- ⑤ Water tank
- ⑥ Emergency stop switch
- ⑦ Power switch
- ⑧ Power port
- ⑨ Fire safety set port
- ⑩ Tube fitting
- ⑪ Smoke outlet

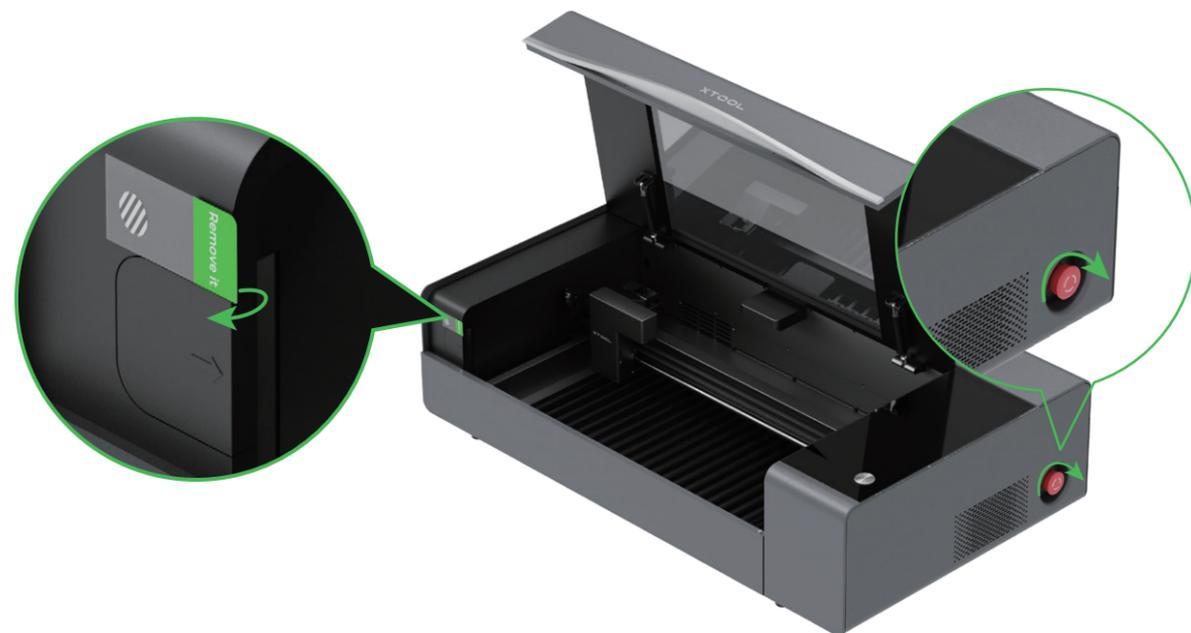
- ⑫ Distant-view camera
- ⑬ Close-view camera
- ⑭ Laser module
- ⑮ Extension port
- ⑯ Network port
- ⑰ USB port (Type-C)
- ⑱ Slat
- ⑲ Baseplate

# Preparations

1 Check the casing of the machine. If it is severely damaged, do not use the machine and contact xTool after-sales services.



2 Remove the sticker used to prevent the lid from locking and turn the emergency stop switch to reset it.

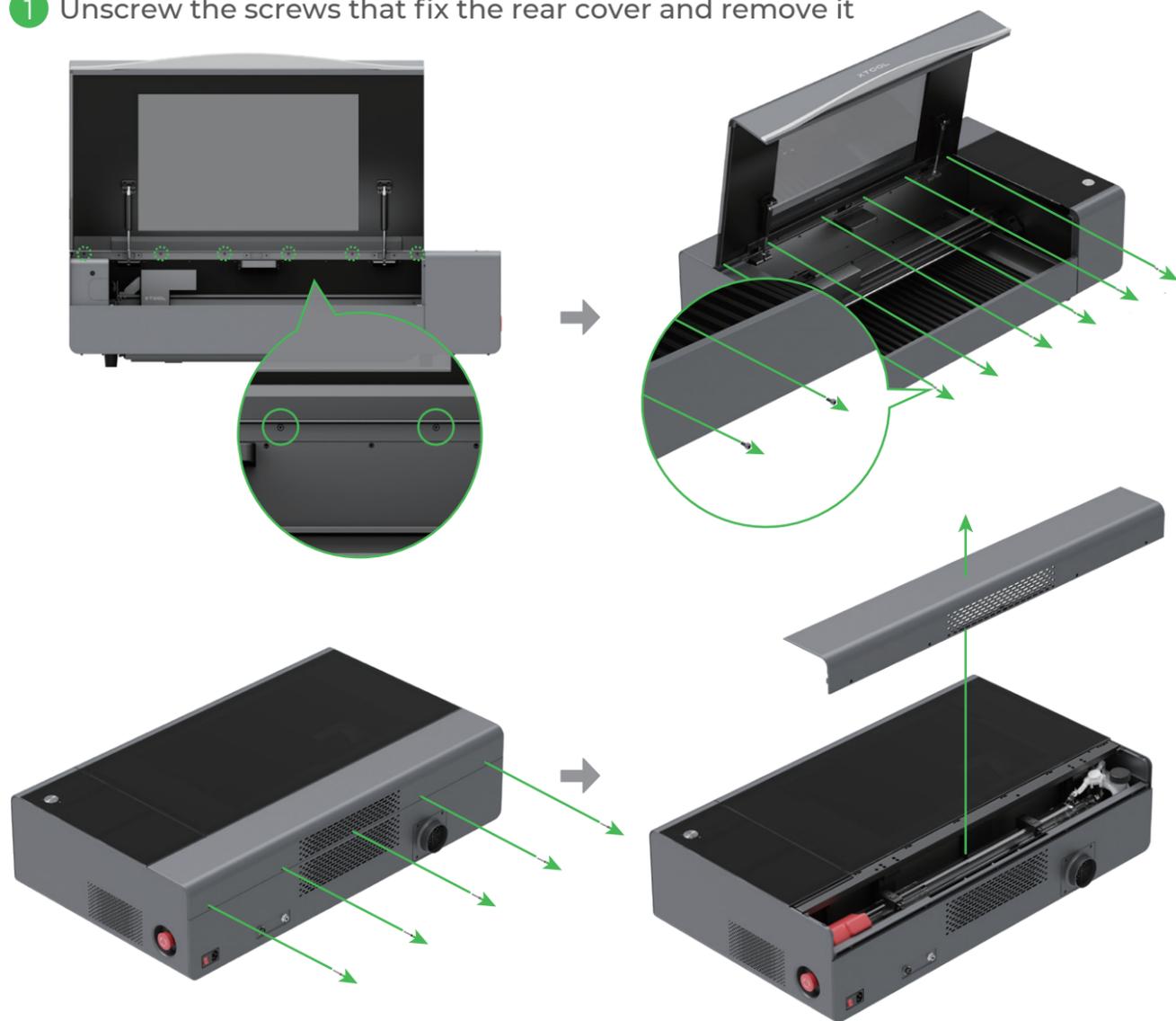


3 Manually move the laser module to check whether it can move properly. If it can't, do not use the machine and contact xTool after-sales services.



4 Check the laser tube. If it is cracked or damaged, do not use the machine and contact xTool after-sales services.

1 Unscrew the screws that fix the rear cover and remove it



2 Check whether the laser tube is cracked or damaged



5 Fill the water tank with antifreeze



You need to prepare a measuring glass to measure purified water.



If you can't find a measuring glass at home, you can store the antifreeze in another container and use the bottle of the antifreeze to measure purified water.



- Do not pour the antifreeze directly into the water tank. Determine the volume of antifreeze to be used according to the annual lowest temperature in your region first.
- Ensure that you use purified water to prepare the antifreeze. Tap water contains impurities and bleach, which may cause too many bubbles, affecting the working of the laser tube and even damaging the laser tube.
- You need to fill the water tank twice. Strictly follow the steps to fill the water tank, using the recommended volume of antifreeze and avoiding overflow.

1 Determine the volumes of antifreeze and purified water to be used

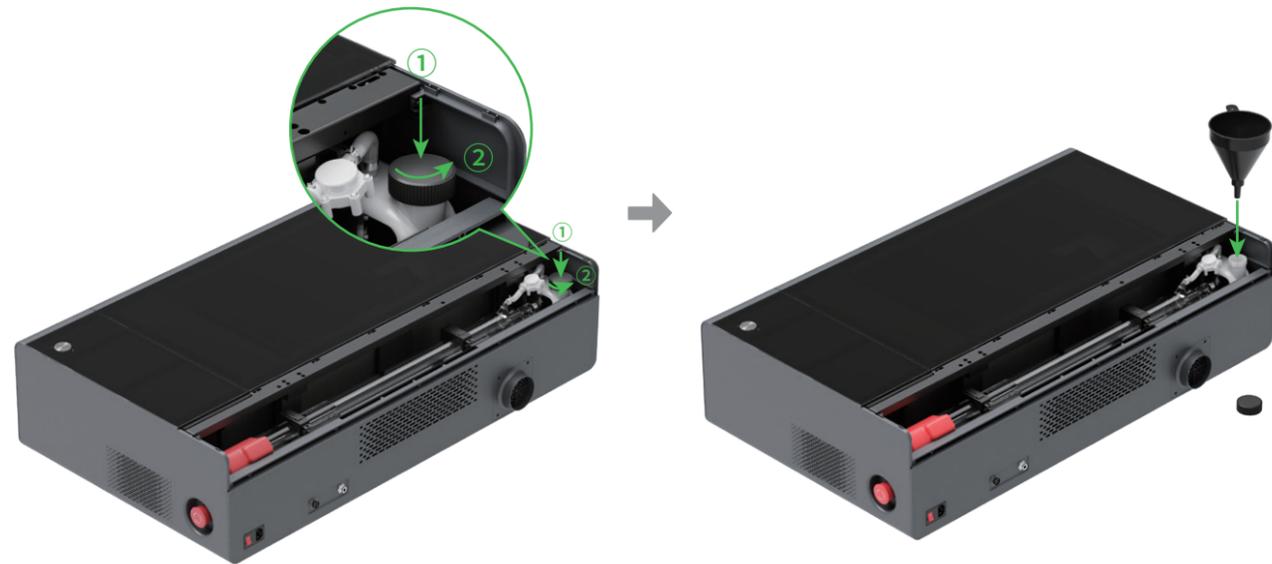
- If the annual lowest temperature in your region  $> 0^{\circ}\text{C}$

Annual lowest temperature in your region ( $^{\circ}\text{C}$ )	Concentration (%)	First filling		Second filling
		Antifreeze (ml)	Purified water (ml)	Purified water (ml)
$T > 0$	0	0	1100	300

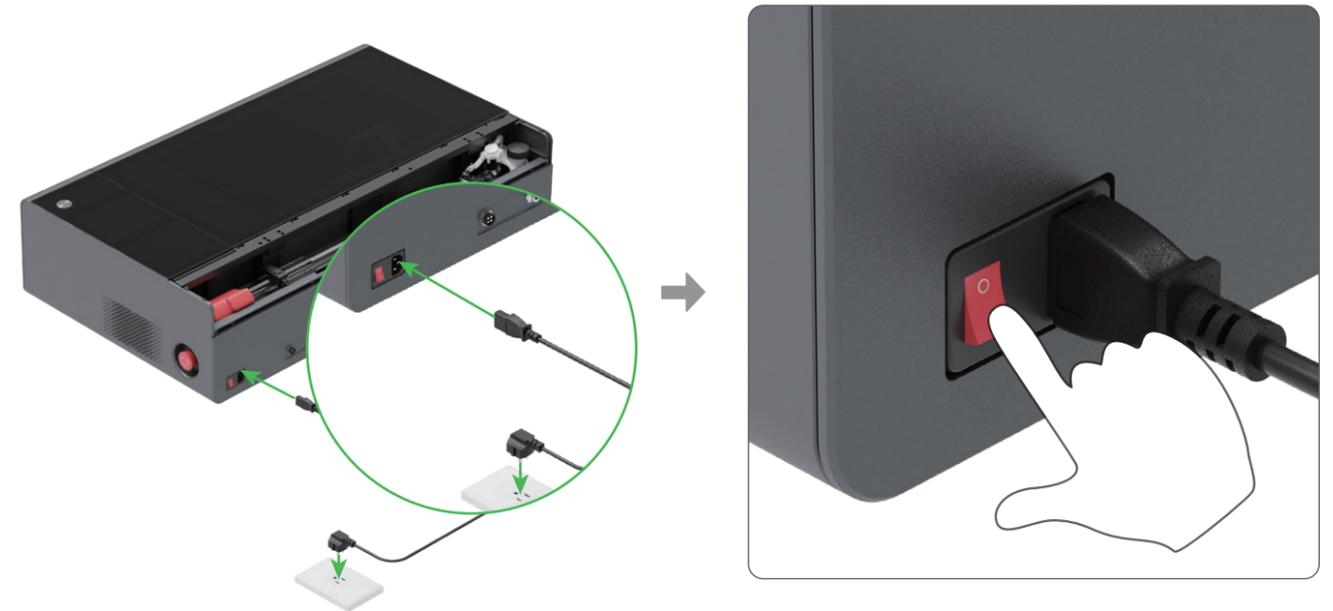
- If the annual lowest temperature in your region  $\leq 0^{\circ}\text{C}$

Annual lowest temperature in your region ( $^{\circ}\text{C}$ )	Concentration (%)	First filling		Second filling
		Antifreeze (ml)	Purified water (ml)	Purified water (ml)
$-10 \leq T \leq 0$	20	280	820	300
$-20 \leq T \leq -10$	35	490	610	300
$-30 \leq T \leq -20$	45	630	470	300
$-40 \leq T \leq -30$	50	700	400	300
$-50 \leq T \leq -40$	60	840	260	300

2 Open the cap of the water tank and insert the funnel into the opening



4 Connect the machine to a power supply and turn on the machine



3 Complete the first filling

Pour the required volume of antifreeze into the water tank, and then slowly pour the required purified water in. Observe the water level during the filling to avoid overflow.

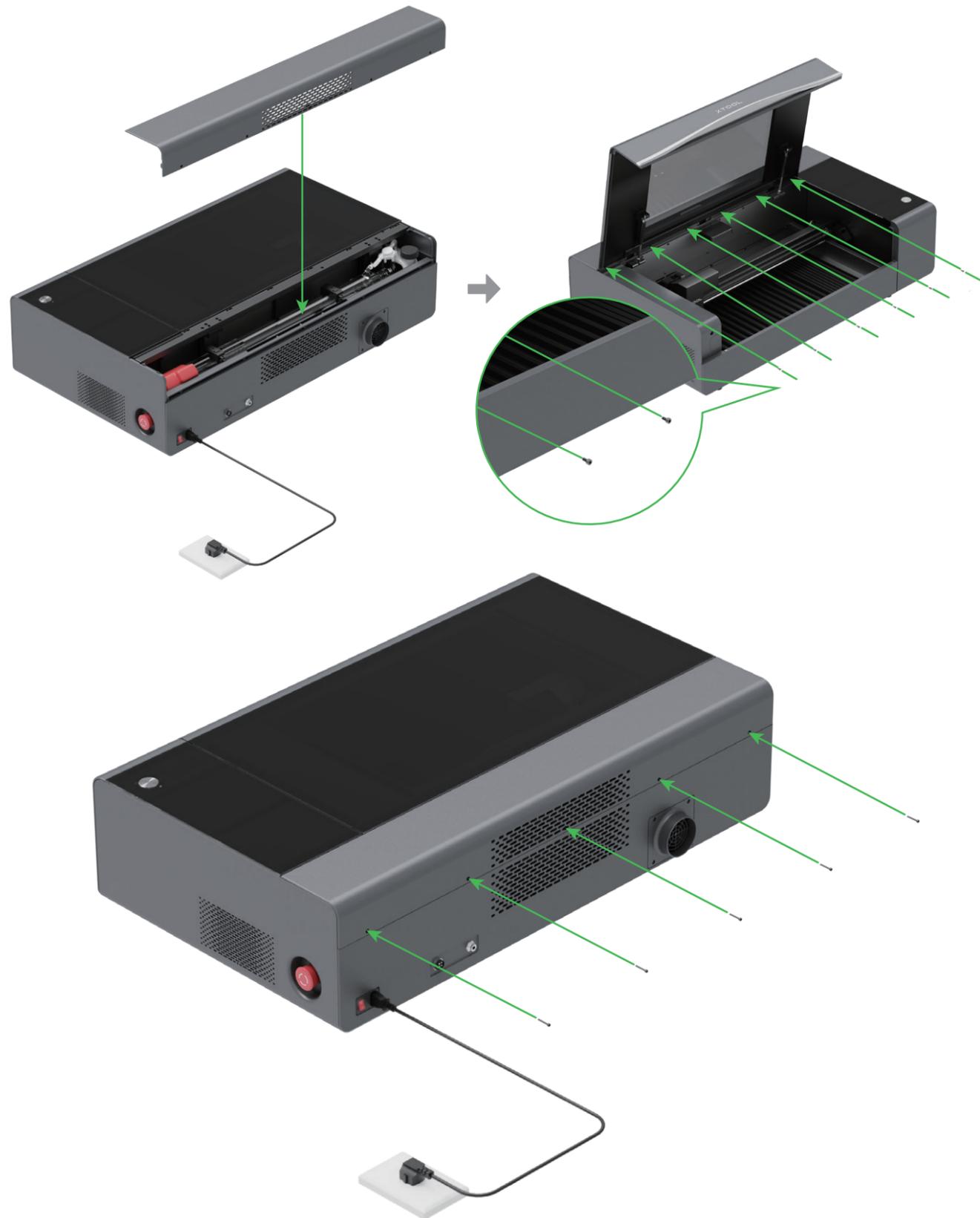


5 Complete the second filling

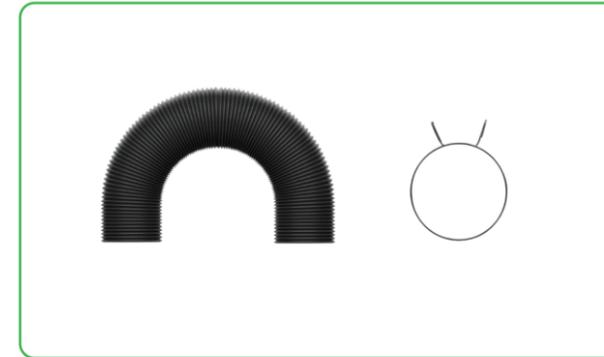
Wait 30s for the water level to descend in the water tank, pour the required purified water in, and then close the cap of the water tank. Observe the water level during the filling to avoid overflow.



6 Fit the rear cover back to the machine and tighten the screws



## 6 Install the smoke exhaust pipe



If you have purchased a smoke purifier, follow the instructions to connect it to xTool P2.



# Use xTool P2

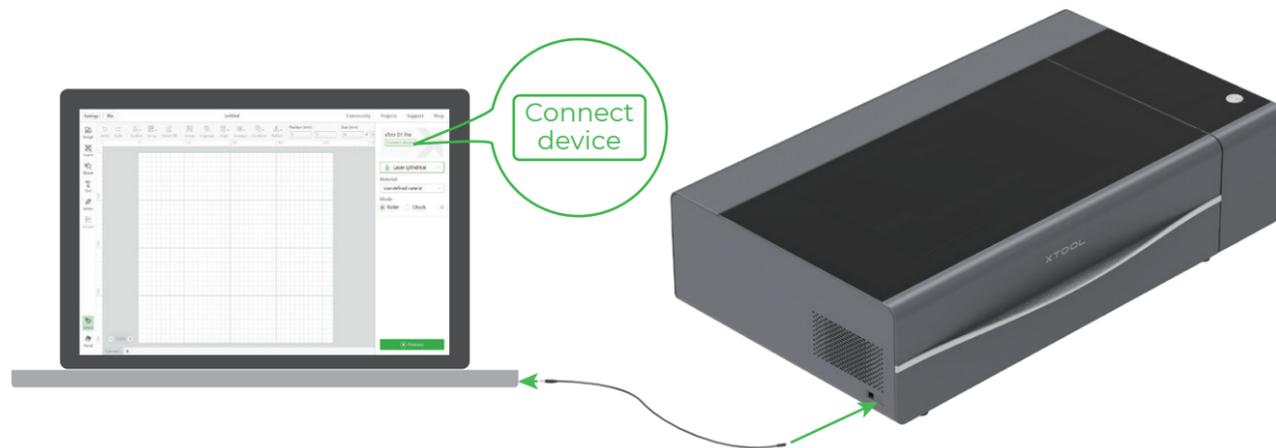
## 1. Download and install xTool Creative Space (XCS)



xTool Creative Space



## 2. Connect xTool P2 to your computer and connect it to XCS



You can start your creation after connecting them.  
For details about how to use XCS to operate xTool P2, see [support.xtool.com](https://support.xtool.com).