

# **FUME EXTRACTOR**

## **USER MANUAL**



**Read these instructions prior to use and keep for future reference.**

## INTRODUCTION

Our XF300 fume extractor removes the smoke, dust, and odors generated by industrial and laser engraving equipment to improve the cleanliness and comfort of your work area while reducing health risks and malfunctions. It has EUCE and PONY certification for its safety and its filtration abilities. Air processed by this machine can be directly discharged either indoors or outdoors.

## SAFETY INFORMATION



### WARNING

- Before use, please ensure your power supply matches the specified rated voltage labeled on the machine. **DO NOT** use if the power supply voltage is outside the specified range or if the power supply voltage is unstable.
- The operating temperature range for the machine is between 14–113°F (–10 to 45°C). **DO NOT** operate the machine if the environment **OR** the fumes inhaled are outside of the operating temperature range. For best results, only use the machine in temperature controlled environments between 68–122°F (20–30°C).
- The operating relative humidity range of the machine is 40–80%. **DO NOT** operate the machine if the environment **OR** fumes inhaled are outside of the operating relative humidity range as the filters will not function properly and the machine may short circuit.
- **DO NOT** wash the filter element. Replace the filter elements with ones manufactured by the same company.
- **DO NOT** operate the machine directly without the filter element as the fumes inhaled will damage the machine.
- **DO NOT** use the machine when the filter cartridge is clogged as this will shorten the service life of the machine. Replace the filter element regularly. Clean and maintain the machine in a good condition.
- **DO NOT** open the inside of the machine or repair it by yourself.
- **DO NOT** use or store this product in hot or humid conditions or near flammable, explosive, or strongly electromagnetic substances.
- Turn off and unplug the machine when not in use and before cleaning or maintenance.

## PARTS LIST

Before use, ensure all the following items are present and in good condition. **DO NOT** use the product if any parts are missing or damaged. Contact customer service for a replacement.

ITEM	QUANTITY	ITEM	QUANTITY
Fume Extractor	1	IR Remote Control	1
Power Cord	1	User Manual	1
Extraction Tube	1	Primary Filter	1
Optional Exhaust Pipe	0-1	Carbon Filter	1

## PRODUCT DIAGRAM

Front



Back



① Digital Display Panel



② Casters with Brakes



③ Knob Butterfly Latch



④ Split Air Inlet

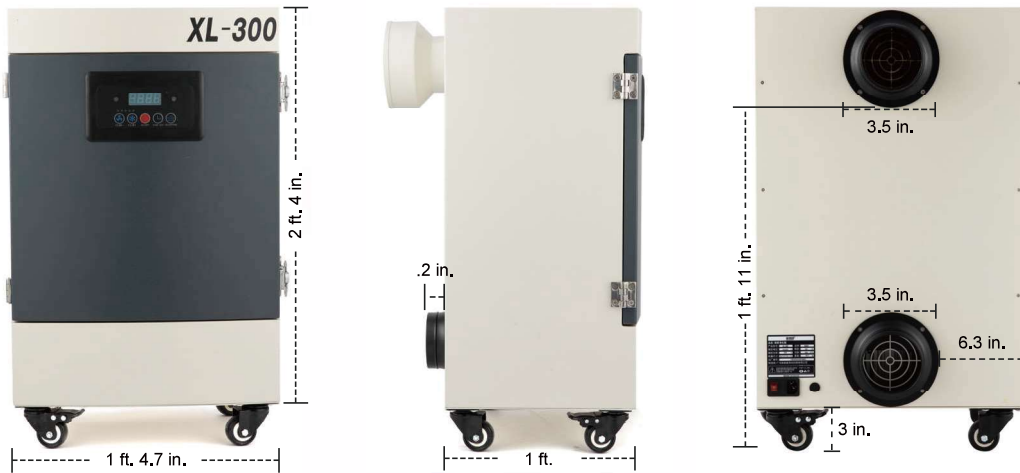


⑤ Split Air Outlet



⑥ 3-in-1 Power Switch

## SPECIFICATIONS

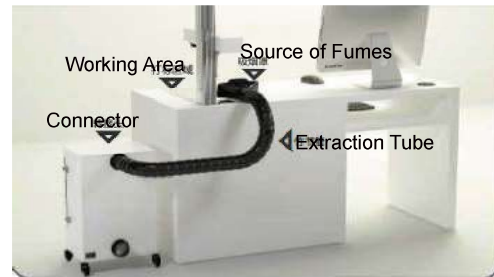


Model	XF300
Filter Layers	4
Filter Configuration	Cotton Primary Filter Polypropylene Filter 2 Activated Carbon Layers
Negative Pressure	0.4 psi (2500 Pa)
Rotational Speed	6500 rpm
Air Speed	69 ft./sec. (21 m/s)
Main Machine Dimensions	16.7×12.4×27.6 in. (425×315×700 mm)
Extraction Tube Diameter	2.6×39.4 in. (65 mm×1.4 m) OR 3.0×39.4 in. (75 mm×1.4 m)
Air Inlet Diameter	1×3.5 in. (1×90 mm)
Power Cord Length	9ft. 10 in. (3 m)
Weight	80.9 lb. (36.7 kg)
Noise Level	<60 dB
Power Consumption	330W
Input Voltage	110V/60Hz

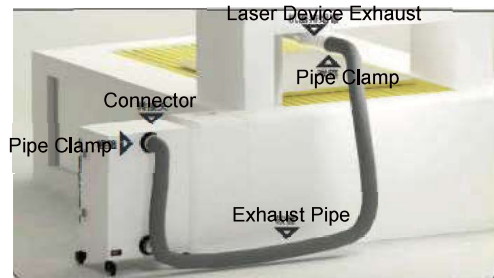
## MACHINE INSTALLATION

Ensure that the power supply is compatible and stable before plugging in the machine. Check that the machine's power switch is turned to OFF before plugging in the machine. Check that the filters are properly configured before use. Either of the following configurations work:

**Configuration 1:** Use the connector, extraction tube, and extraction hood to connect the fume extractor's air inlet directly to the source of the fumes.



**Configuration 2:** Use the connector, pipe clamps, and exhaust pipe to connect the fume extractor's air inlet with the source of the fumes at a greater distance.



## FILTER ELEMENT INSTALLATION






The standard and correct configuration for the placement of the filter elements is as follows:

- Layer 1: Cotton Primary Filter
- Layer 2: Polypropylene (PP) Filter
- Layer 3: Activated Carbon Filter
- Layer 4: Activated Carbon Filter

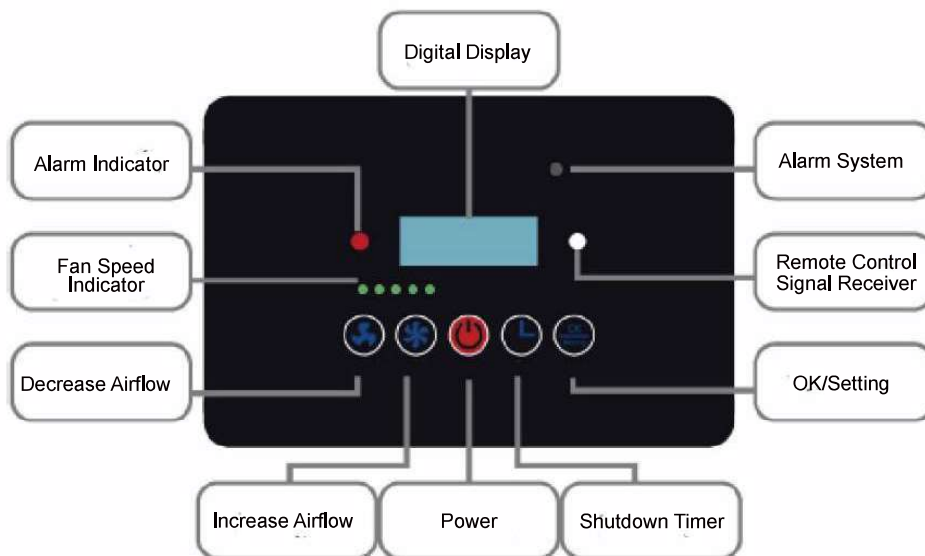
1. Turn the two butterfly latches on the right side of the machine counterclockwise to open the front door of the machine.
2. Starting from top to bottom (layer 1 to layer 4), pull the handle strap of each filter element slot and pull out the filter element.
3. After all the filter elements have been removed, starting from bottom to top (layer 4 to layer 1), place the appropriate replacement filter elements according to their labeled arrows into their respective filter element slots.

**DO NOT** touch the inner air inlet with your hands.

<p><b>Cotton Primary Filter</b> 14.9×10.9×3.9 in. (378×278×100 mm)</p> 	<p>Designed to trap larger particles. The airflow indicator arrow of the filter element should point downwards. Open the front door to install the initial grid. Please replace the filter when once it is saturated more than 70% and cannot be cleaned.</p>
<p><b>High-Efficiency PP Filter</b> 14.9×10.9×3.9 in. (378×278×100 mm)</p> 	<p>Designed to trap 0.5-micron particles. Place in the layer below the cotton primary filter element of the machine. The airflow indicator arrow of the filter element should point downwards. When the filter element is saturated and affecting suction force, it should be cleaned immediately. If it cannot be cleaned, replace the filter element.</p>
<p><b>Activated Carbon Filters</b> 14.9×10.9×2.0 in. (378×278×100 mm)</p> 	<p>Designed to absorb toxic gas and odor. Place in the layers below the polypropylene filter of the machine. The airflow indicator arrows of the filter elements should point downwards. When the filter elements are saturated and affecting suction force, they should be cleaned immediately. If they cannot be cleaned, replace the filter elements.</p>

## OPERATION

The XF-300 control panel has the following configuration:



The machine can also be operated by its remote control up to a distance of 33 ft. (10 m).

## Control Panel & Remote Control Buttons



**Power**



**Shutdown Timer**



**Increase Airflow**



**Panel Lock**



**Decrease Airflow**



**OK/Setting**

### **Power Button**

Pressing this button will turn the machine on and off. (For best results, turn off the machine AND unplug it when not in use for a prolonged period.)

### **Increase Airflow Button**

Pressing this button will increase the airflow rate in increments of 10% up to full strength. The digital display will indicate the current airflow rate.

### **Decrease Airflow Button**

Pressing this button will decrease the airflow rate in increments of 10% to a minimum of 10% of full strength. The digital display will indicate the current airflow rate.

### **Shutdown Timer Button**

Pressing this button activates the machine's automatic shutdown timer. HXXX will show on the digital display. Use the increase/decrease airflow buttons to adjust the timer. The timer is set in hours with a minimum setting of 1 hour and a maximum setting of 100 hours. When adjusting the timer, press the shutdown timer button again to toggle between the ones, tens, and hundreds place values. Press the OK/Setting button when you are finished to set the timer. Once the timer is set, press the shutdown timer button to check the remaining time before automatic shutdown. To cancel the shutdown timer, set the timer to H000.

### **OK/Setting Button**

Pressing this device accepts commands and settings. When an alarm is sounding, pressing this button will mute the alarm noise. Pressing this button at other times shows the current total running time of the machine.

### **Panel Lock Button**

Pressing this button locks the control panel. The control panel will remain locked until the panel lock button is pressed again or the machine is restarted.

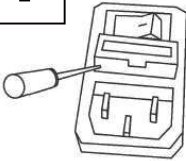
## MAINTENANCE

- Check the filter cartridge when the suction becomes weak.
- Mark the specific replacement date on the new filter cartridge during replacement.
- Replace the filter elements regularly. Be sure to turn off the machine before replacing the filter elements. (Use original replacement filters manufactured by the company)
- When replacing the filter elements of the filter cartridge, hold the structured borders with both hands and gently insert or remove the filter elements. DO NOT directly grab the filter element as you might damage or deform the filter.
- Clean the exhaustion tube regularly to prevent dust build-up.

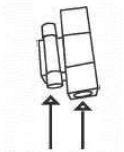
### Fuse Replacement

If the alarm is on, check whether the power switch is lit up and the valve fully open. If power is being supplied but the power switch is not lit up, the fuse may have burnt out and require replacement.

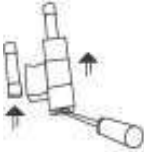


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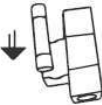
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First, turn off power to the machine and unplug it. Then pry out the fuse container with a screwdriver.
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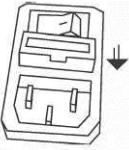
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Burnt Fuse    Spare Fuse
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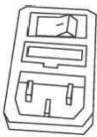
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Remove the burnt fuse and take out the spare fuse.
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4

Install the spare fuse onto the slot that was previously holding the burnt fuse.
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5

Install the fuse container back into the machine.
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6

Finished!



## TROUBLESHOOTING



**WARNING:** Turn off and unplug the machine before inspection and maintenance.

Problems	Possible Solutions
The machine still runs but the suction is weak.	<ol style="list-style-type: none"><li>1. Ensure there are no issues with the power connection.</li><li>2. Remove the top cover and check whether there is foreign matter blocking the air inlet. If so, remove the foreign matter.</li><li>3. Check whether the exhaust is blocked. If so, removed what is blocking the exhaust.</li><li>4. If suction is still weak after the above steps, replace the filter cartridge.</li></ol>
The machine automatically shuts down after starting.	<ol style="list-style-type: none"><li>1. Remove the top cover and check whether there is foreign matter blocking the air inlet. If so, remove the foreign matter.</li><li>2. Adjust the machine to the lowest airflow setting. Then restart the machine and adjust to desired airflow setting.</li></ol>

## **CONTACT US**

Thank you for choosing our products! If you have any questions or comments, contact us at **[help@cs-supportpro.com](mailto:help@cs-supportpro.com)** and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.

