

# 06 - Running Your Job

How to run a job on the laser cutter.

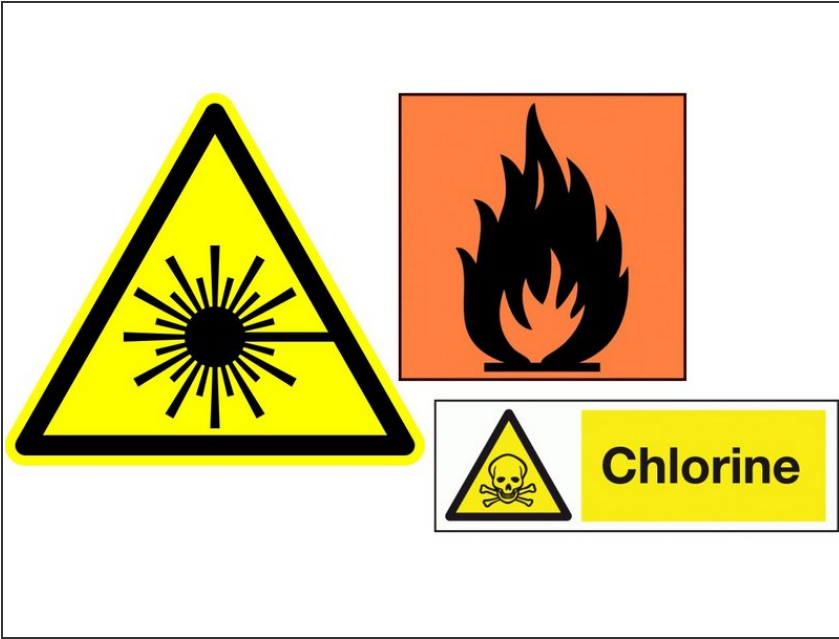


## INTRODUCTION

We should now be ready to run our job on the laser cutter. Just to recap, we should have completed the following steps:

- [01 - RDWorks Job Setup](#)
- [02 - Laser Cutter Start-up](#)
- [03 - Sending a Job to the Laser Cutter](#)
- [04 - Laser Cutter Focusing](#)
- [05 - Setting your Origin](#)

## Step 1 — Safety Review



- Before beginning the job, be sure to review the [safety rules](#) for this machine
- ⚠ The laser tube is a class IV device when any of the doors are open during operation.
- ⚠ Never attempt to defeat the door interlock switch.
- ⚠ Never cut materials containing chlorine, and be sure to **verify** the composition of any questionable materials before cutting.
- ⚠ Always be alert for laser cutter fires and know how to address them should they occur.
- ⚠ **Never** let the machine operate unattended.

## Step 2 — Close lid





- Close the lid of the machine.
- Ensure that all extra materials, especially flammable ones are removed from the machine.

### Step 3 — Turn on laser power switch

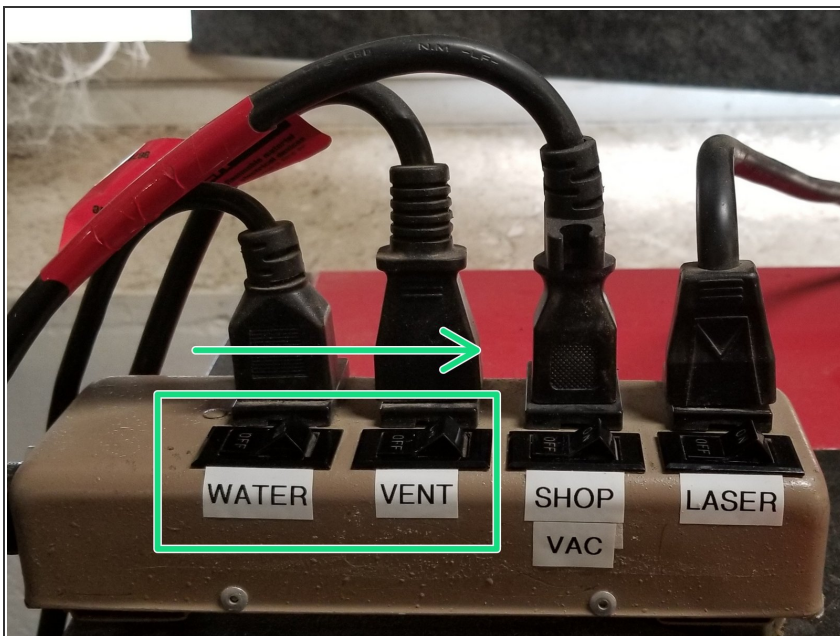


- Turn on the laser power supply by flipping the switch in the / direction.

 The switch should glow red. If it doesn't, ask for help.

 It is always a good practice to turn off this switch before working inside the machine, focusing, and setting origins.

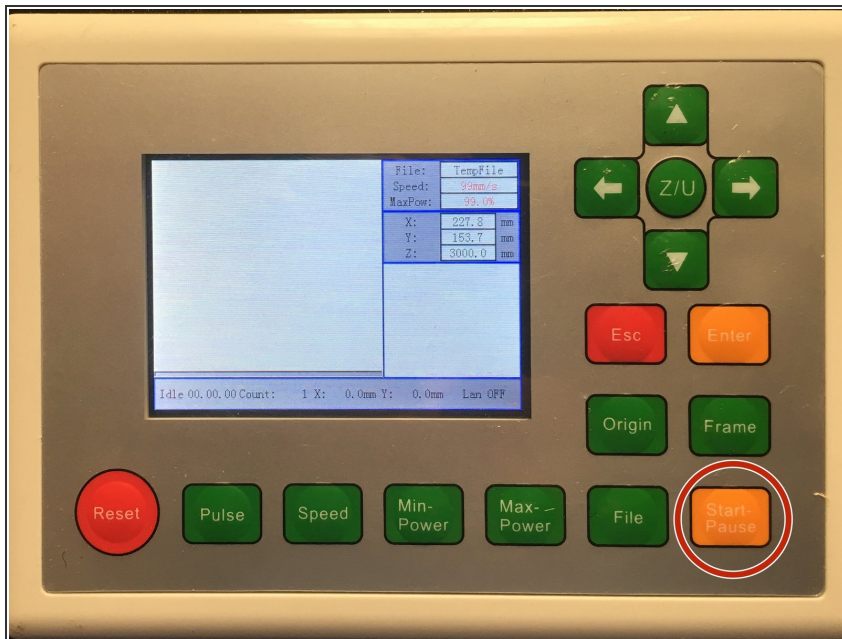
### Step 4 — Turn on accessories



- Turn on the accessory switches.
- **Water:** The water switch circulates chilled water through the laser tube. The laser will not operate if this switch is off.
- **Vent:** The vent switch activates the blower to exhaust fumes from the inside of the machine.
- Wait for all accessories to fully start before continuing.



## Step 5 — Start the job



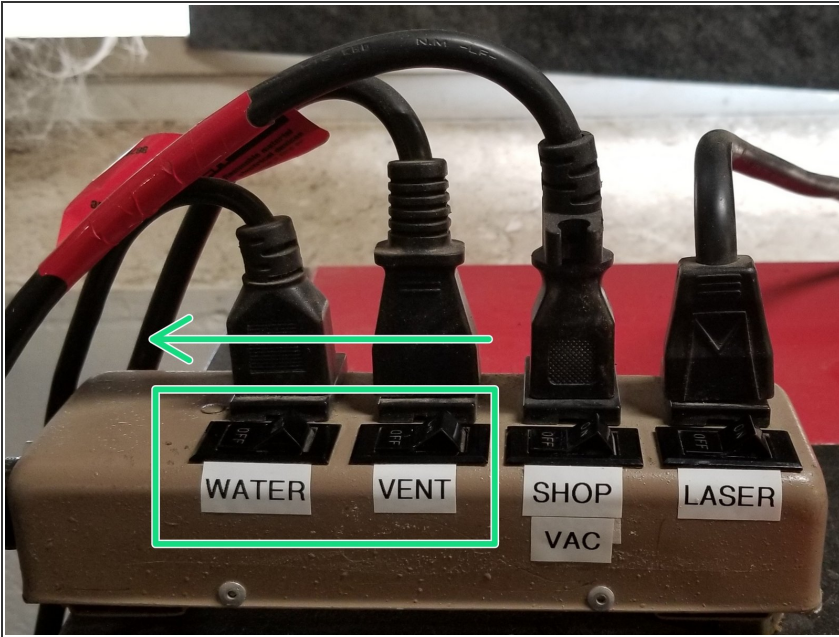
- Press the *Start/Pause* button on the control panel.
- ⚠ Be alert for laser fires while the machine is in operation. [Review the steps for dealing with laser fires.](#)
- ⚠ **DO NOT** leave the machine unattended without pausing the machine.
- To pause the machine, press the *Start/Pause* button again.
  - To resume after pause, press *Start/Pause*
  - To cancel the job and return to the origin while paused, press *Esc*
- ⓘ The machine will beep when it has completed the job. Wait a few seconds before moving on to allow the ventilation fan to clear any remaining fumes.

## Step 6 — Turn off laser power supply



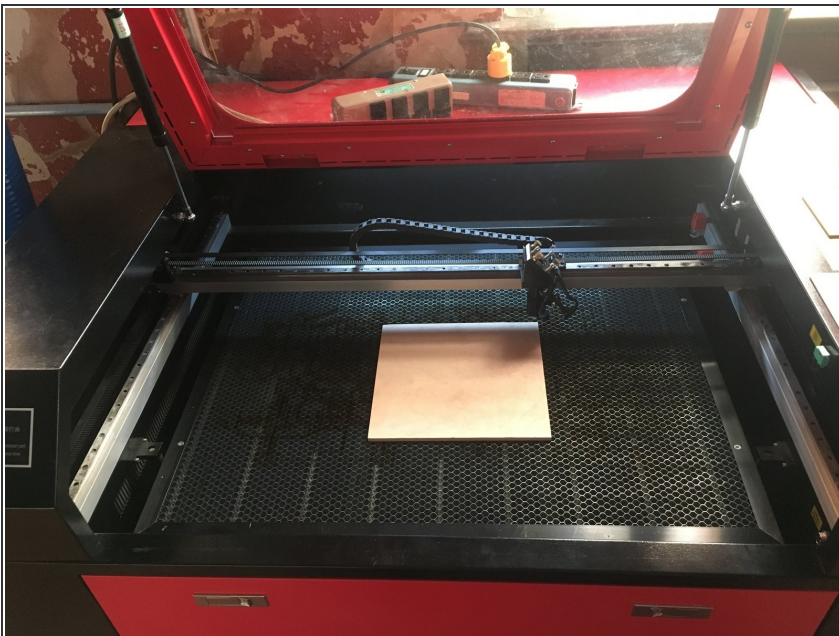
- Flip the laser enable switch to the off position.
- Confirm that the switch is no longer glowing.

## Step 7 — Turn off the accessories



- Turn off all three of the accessory switches.
- **PRO TIP:** If you'll be cutting multiple jobs in succession, leave the *Water* switch on to continue cooling the tube between runs.

## Step 8 — Remove material



- Open the lid and remove your material