

SAFETY CHECKLIST

BEFORE CUTTING:

- Turn on the fume extractor **AND** air assist located to the left of the machine (the buttons are located on the back sides of the machines). **Make sure the status light on the fume extractor is green.**
- Make sure the bed is clear of any debris.
- Place material flat against the bed. If the material is warped, either use a weight or find another material to use.
- Use the control panel button to make sure that the extents of your cut are correct.

WHILE CUTTING:

Precautions:

- You are required to stay with the laser cutter and monitor the job for the entire cutting time. **DO NOT** ever walk away from laser cutter while operating the machine. Never operate the laser cutter while unattended.
- ALWAYS** wear laser cutting goggles – **DO NOT** stare at the laser for an extended period without them on.
- Keep the surrounding area of the Epilog clean and clear at all times. There should not be any clutter, combustible materials or volatile solvents such as acetone, alcohol or gasoline near the Epilog.
- Remember that if needed you can adjust the power of the laser cutter on the control panel.

In Case of Fire:

Burning and a slight flame underneath your material is normal, but an actual fire and heavy smoke is not! There is no emergency stop on this laser cutter so you will need to use your judgement to determine if your material is burning or poses a significant fire risk based on what you see happening in the machine.

- If the fire seems to be under control and is not growing, **STOP** the cut and keep the lid closed until the flame goes out
 - Use the start/pause button on the Control Panel to stop the cut
 - There is a delay after pressing pause, the laser will turn off, but the machine will still be moving – if it is an emergency, do not wait for the machine to stop moving to open the lid
 - If you need to stop the machine right away, don't press pause, just open the lid (the laser will turn off, but the machine will still be moving)
- If the fire is larger, turn the machine **OFF**, unplug from wall and use the fire blanket or fire extinguisher to put out the fire. Then, inform security, Miller, and Yvonne.
- If the fire is still uncontrollable and there is a lot of smoke in the machine, **UNPLUG** from wall evacuate and call 911.

Safety Tool Locations:

- Fire Distinguishers – are located by the door **AND** to the left of the laser cutter.
- Fire Blanket – located by the door **AND** to the left of the laser cutter.
- First Aid Kits – under the sink.
- Phone – next to sink (read protocols next to phone for more information).

AFTER CUTTING:

- WAIT** to open the lid for two minutes (using timer) so that the exhaust clears any lingering fumes.
- If you are unsure that the material has been cut, **DO NOT** move the material. Use tape to see if your cuts will lift from the bed.
- If you need to run more passes, make sure you close the lid and adjust the parameters if needed.
- When you are completely done, remove the extra material and any debris, and turn off the laser cutter, air assist, and fume extractor.