

Laser Cutter Best Practices Checklist for Safe Operation

For more information review [Laser Cutter Safety](#).



Administrative

- Only users trained by a qualified individual should operate laser cutters.
- A written laser cutter SOP is recommended. It should cover maintenance requirements for both the equipment and filtration system along with response to flare-up and fires.
- Never** leave an operating laser cutter unattended. Users should observe the cutting/engraving process. A sign on the laser cutter can be a helpful reminder.
- Keep a logbook with details on laser cutter runs including material cut, cutting time, thickness and parameters like the pulse rate and power.

Procedural

- Develop a list of allowable and prohibited materials. Have a process in place to vet new materials prior to use.
- Avoid placing the laser cutter on wood and other combustible surface. Keep the area around the laser cutter free of clutter and flammable or combustible materials. Never obscure the viewing window.
- Never defeat laser cutter interlocks. This could allow the beam to escape from the laser cutter.

Equipment and Infrastructure

- Regular vacuuming of the cutting deck and the internal cavity of the laser cutter is very important for preventing fires! Ensure all other required maintenance activities are completed.
- A fire extinguisher should be mounted on the wall near the laser cutter.
- Ensure the air assist is working before each run, especially before vector cutting.

For more information scan QR Code.

