

Laser Cutter Safety

Laser cutters have several hazards associated with their use ranging from the creation of toxic fumes to the possibility of fire. The following are some guidelines for safe use of a laser cutter.

Do wear the appropriate safety glasses when needed. Sunglasses are not considered appropriate protective eyewear.

Do inform a supervisor or a manager of any damage.

Do ask a supervisor or a manager if you have any questions or concerns.

Don't operate without proper ventilation to the outside, or connection to a filtration unit.

Don't use materials that are highly flammable, explosive or produce toxic byproducts.

Don't use the laser cutter in a way that could harm anyone.

Don't leave the equipment unattended.



Do clean the system.

Do pay attention to what you are doing.

Do read and understand everything in the safety documents and operation manual.

Do observe the manufacturer's speed guidelines for the material being cut.

Do report all accidents, including near-misses. Actions taken to correct any minor problems can help avoid future mishaps.

Don't attempt to open or modify the laser cutter.

Don't remove, disable, or modify safety guards.

Don't leave a mess in or around the equipment.

Quick Take

- Refer to the [Temple University Laser Safety Policy](#) for further information.
- Contact the [Laser Safety Officer](#) for concerns related to laser usage and safety.