

Laser Policies and Helpful Tips

- ❖ The lasers are reserved for student academic work only.
- ❖ **The laser scheduling software will be unavailable as it goes into administrative mode every Friday from 9AM to 11AM.**
- ❖ Place your geometry in the [Laser Template](#), available at \\juno\Public\DigitalFabrication\LaserCutter-Template or in the Downloads section of this website.
- ❖ We cannot cut files that are not properly formatted in the laser template.
- ❖ The template is formatted for 1:1 scale in inches. Please do not change this.
- ❖ Please delete all unnecessary information from your laser file to avoid miscuts and confusion.
- ❖ Use the “Overkill” command in AutoCAD to remove overlapping lines
- ❖ The laser’s kerf is approximately .008” centered on the drawn line. This will cause parts to be slightly smaller than drawn. This may be critical for some applications.
- ❖ The rule of thumb for spacing between discrete parts is to allow at least half the thickness of the material between relatively parallel cuts. This is especially important for thermoplastics like acrylic.
- ❖ Please be aware that certain materials cannot be laser cut either because of their flammability, toxicity, or negative effects on the laser. Please consult the “Laser Suitable Materials” list in “Material Choices”.
- ❖ You may make three laser appointments per week.
- ❖ All scheduling conflicts will be resolved by Dennis Pierattini, not the faculty member or the CNC technician.