# **Rayjet 300 Laser Cutter**



#### About

One of two laser cutters, the Rayjet is located in the Innovations Workshop along with its stand alone fume extractor. Both laser cutters utilize CorelDraw as a 2D sketch manager which is then imported into Trotec's specific cutting software. CorelDraw can be used to create the 2D sketch, however importing a DXF file or PDF into CorelDraw from Solidworks or other CAD packages is preferred due the CAD packages integrated features and functions.

### **Safety Concerns**

Looking directly into the laser can cause retinal damage. Confirm that the fume collection system is running whenever the laser is cutting or engraving. See list of approved materials for laser cutting, some require nitrogen gas if flammable, or could release chlorine gas if cut. NO NOT CUT NON APPROVED MATERIALS INCLUDING METALS. Laser lenses must be cleaned within ONE WEEK of time of use. If lenses has not been cleaned, clean before use to avoid damaging lenses.

#### **Training Documentation**

#### Laser Cutter Training SOP

## **Detailed Specifications**

Working area: 726 x 432 mm Max height of work piece: 149 - 200 mm depending on installed lens (see operations manual page 7)

# **Reference Documentation**

Laser cutting data

**Operations Manual** 

Software Manual

Exhaust System Info

Laser Cutter Notes

Bonding Acrylic with Methylene Chloride

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