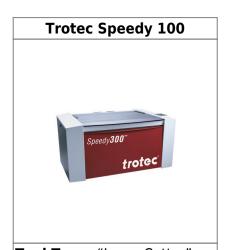
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# **Trotec Speedy 100**



**Tool Type:** "Laser Cutter" **Location:** "Microfluidics lab"

Supervisor	Tool Lead
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**Description:** "Bright Light Cutter" **Manufacturer:** "Trotec"

### **About**

One of two laser cutters, the Trotec is located in the Innovations Workshop above its 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.

## **Training Documentation**

Laser Cutter Training Slide Deck

Laser Cutter Slide Deck Quiz (responses collected)

Laser Cutter Training SOP

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# **Detailed Specifications**

Work Area: 910 x 305 mm Max Workpiece Height: 125 mm Laser Power: 10-120 Watts

## **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.

### **Reference Documentation**

Marking Tape/Paint

**Operation Manual** 

Service Manual

Plastic Processing Guide

Job Control Software Manual

Laser cutting data

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