

Trotec Speedy 100

| Trotec Speedy 100 | |
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| 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](#)

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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