

Learning area 4 – Cut and engrave

Module C: Laser Cutting

Content Overview

In this workshop you will learn the basics of laser cutting and how to operate the Epilog Zing 24 in the Maker's Factory. We will look at different laser technologies, which materials can be processed with the Epilog Zing 24 and which file formats can be processed. The following topics will be covered within the courses

- What laser cutting is and how to use the Epilog Zing 24 in the Maker's Factory.
- What file format you need and how to create it.
- How to prepare your files in the Visicut software.
- What the right settings are for your chosen material to get the best results.
- Cut, engrave or mark. Which setting to use to get your design onto the materials of your choice.
- We give an overview of the materials that can be used and look at existing samples.

To get some hands-on experience you can choose from our sample library, or come with your own design file and we'll see how we can make it work together

Modules

1. Introduction to laser cutting
2. Introduction to the software Visicut
3. Rudimentary introduction to the vector graphics software Inkscape
4. Cutting independently with the laser cutter

Objectives:

- Participants will be able to operate the Epilog Zing 24 laser cutter independently and safely.
- They will also be able to create files for cutting, marking and engraving flat materials with the laser cutter
- Participants will be confident in using the Visicut software to prepare, save and send jobs to the laser cutter
- They learn which materials are suitable, which are unsuitable or even dangerous
- Furthermore they learn the basics of the vector graphics software Inkscape to create editable files for laser cutting

Duration: 2 hours

Minimum age: 18 years

Number of participants: 3

Language: Course languages are German or English (depending on demand)

Costs: Free within active membership, otherwise you need a day pass