Learning area 4 – cutting & engraving
Module A: Introductory course 2D vector graphics with Inkscape

Content overview
In this workshop, you'll learn the essentials of Inkscape software and how to design motifs, vectorize and export drawings. Together we will navigate through the software and create vector drawings suitable for the vinyl and laser cutter. The following topics will be covered within the courses.

- An overview of the basic functions that are possible in Inkscape.
- How to create a vector graphic for processing with the laser cutter.
- How designs are created for production in the cutting plotter.
- What file format you need and how to create it.

To get some hands-on experience, we'll work on file basics or you can come with your own design file and we'll see how we can make it happen together.

Modules
1. Overview of the vector graphics program Inkscape
2. Introduction to the file formats JPG, SVG and DXF
3. Creation of own file base for editing in vinyl or laser cutter
4. Export of the generated files

Objectives
- After successfully completing this workshop, you will be perfectly positioned to generate data for Vinyl and Laser Cutters.
- You will confidently navigate Inkscape software and master the basics of the 2D vector program.
- Content-wise, you'll understand how to create and prepare files in vector graphics software.
- You will also know what to consider when exporting for further production steps.

What should be brought
- If you already have design idea that you want to vectorize, feel free to bring sketches.

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