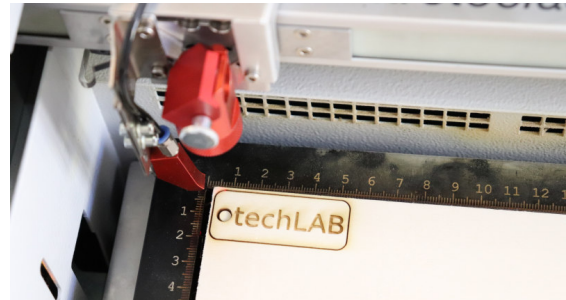


LASERCUTTING A KEY TAG


In this tutorial you learn how to design a key tag using the program Inkscape .

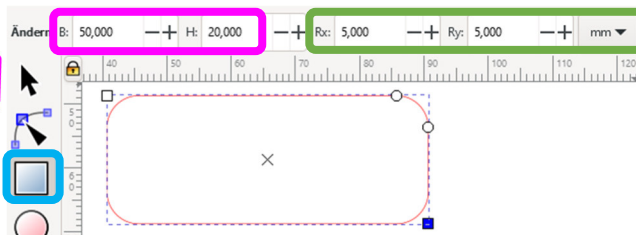
The Laser Cutter will then cut out your design out of plywood.




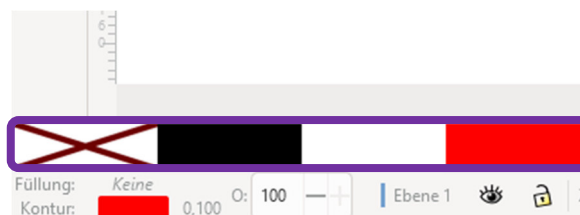
First you draw your 2D-design using the vector graphics program Inkscape.




Finally, the laser cutter engraves and cuts your design out of plywood.

- 1) Create the basic shape of the key tag. Select the  **Rectangle-Tool** and draw a rectangle on the white work plane by keeping the left mouse button pressed.




- 2) The **size** of your key tag can be adjusted in the toolbar at the top left. Change the values for the width (B) and the height (H) to **B = 50 mm und H = 20 mm**.
- 3) You can change the **roundness of the rectangle** corners with the values **Rx** and **Ry**. If you want to have sharp corners, set both values to 0 mm.
- 4) Press the  -key, to adapt the zoom to your drawing. It'll be easier to draw like this!
- 5) The laser cutter **engraves** all **black areas** and **cuts red lines**. The **colour palette** underneath the work plane is to change the colour of the fill and the contour of the shape.

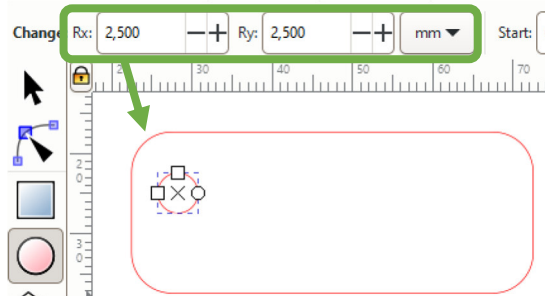







- 6) Choose „no fill“, by clicking on the  -button.
- 7) Change the stroke colour to red, by clicking on the  -button while pressing the  -key.

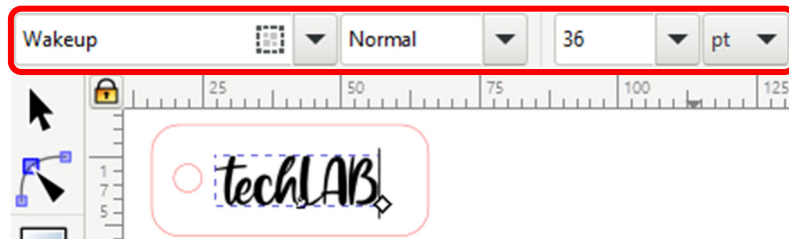
- 8) The thickness of the line has to be $\leq 0,1$ mm, to be recognized as a cutting line. Right click onto the number next to the strokecolor and change the thickness to 0,1 mm.



- 9) Your key tag needs a hole! Use the -tool to draw a circle and change the radius-values Rx and Ry (on the top left) to 2.5 mm.



- 10) Choose the -tool to position your hole. Move the circle with the   -keys on the keyboard.
- 11) Now you can add some text to your key tag – e.g. your name. Choose the  tool from the left and click into your key tag. You can just start writing!
- 12) You can change the font and size in the toolbar at the top left.



DONE! Ask for help to cut your key tag 😊



- You can improve your design: **Engrave shapes** or **cut them out**, bevel corners, the possibilities are endless!
- You can also choose a different shape for the base e.g., a star or an ellipse.