# Epilog EXT 36 Lasercutter

- CO2 Laser
- 75W
- Up to 7mm cutting depth
- Table Size 914 x 609 mm
- No external materials allowed

## Materials

<table>
<thead>
<tr>
<th>Plywood</th>
<th>MDF</th>
<th>Acrylic</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 mm</td>
<td>4 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>5 mm</td>
<td>6 mm</td>
<td>2 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mm</td>
</tr>
</tbody>
</table>
Open CorelDraw and create a new design. Make sure the dimensions are 914 x 609 mm.

You can import vector files by Drag’n’Drop or create your own in CorelDraw.

Double Click in the lower right corner to change the line width.
In the upper left corner you can see the location of your part. Make sure to never put something closer than 5 mm to the edge. Make sure that the upper left corner is selected next to the values.

Make sure that lines that need to be cut are set to a width of “Hairline” and lines that shall be engraved are set to at least 0.5mm.

Either press Ctrl + P or click on print under the file tab. Then select the EXT 36 and click Preferences.
Laser Software

This is the baseview of the printer settings that pop up as soon as you hit Preferences.

First go to the Advanced Settings. If the presets are not shown, click on browse and navigate to:

Browse - System C – Epilog Laser – cutting_config - OK
Laser Software

Choose your desired material and press “Load”.

Go back to the “General” Tab and make sure Auto Focus is turned on.

Choose is you want to engrave (Raster), cut (Vector) or booth (Combined) for your job.
Laser Software

Changing the Resolution will change the point density of your engraving. Also higher DPI will mean longer and darker prints.

Do not change anything here!

Double check your settings, press "OK" and then send the job like you would to with any other print by pressing “Print”. (Laser has to be turned on by now)
Log into the machine using the terminal and ensure that the ventilation system is turned on.

Adjust the table height so your material fits nicely under the laser head. Do not worry over the height, auto focus will take care of it.

Place your material on the table. The upper left corner is the upper left corner in the software.
Machine

If your material is bended and lifts up at some point you need to tape it down. Make sure to place it on the machine so that the edges are lifting up and the middle is touching the table. Then use painters tape to secure the lifting edged to the table.

This is the standard view of the machine interface when no job was transmitted.

To change the home position (upper left corner in the software), press the “X/Y AUS“ button and confirm with “ENTER“. 
Carefully move the head to your desired location and confirm it by pressing “ANFANG“.

A Job was loaded to the cutter. Check if the filtration is turned on. Start it by pressing “START“.

Press the button when yellow led turns on. Do not tape the button down (machine will also turn off and user gets blacklisted).
Safety Rules

• NEVER CUT WITHOUT VENTILATION
• Keep the door closed for one minute after the job is done
• NEVER leave the cutter unattended
• ALWAYS use our presets
• NEVER change the presets
• NEVER use unknown materials
• ALWAYS ask when in doubt