



TroLase

Butterfly, complexity level medium

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1 What will be explained?

- 1.1 Creating a design in CorelDraw
- 1.2 Working with bitmaps
- 1.3 Creating cutting lines
- 1.4 Printing tips

2 What is needed?

- 2.1 TroLase Laminate
- 2.2 Honeycomb cutting table
- 2.3 1,5"- 2" Lens (depends on the graphic)
- 2.4 Adhesive tape

Process time approximately 15 min

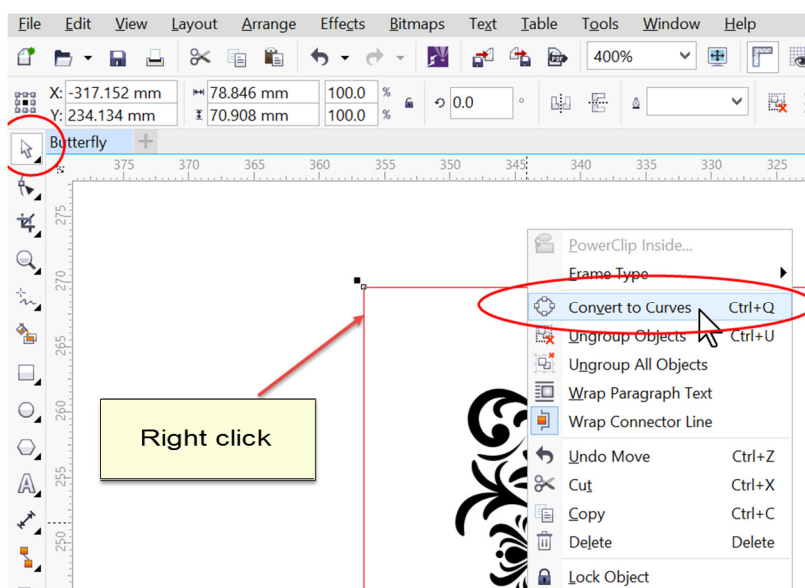
Picture of the design and the finished work piece



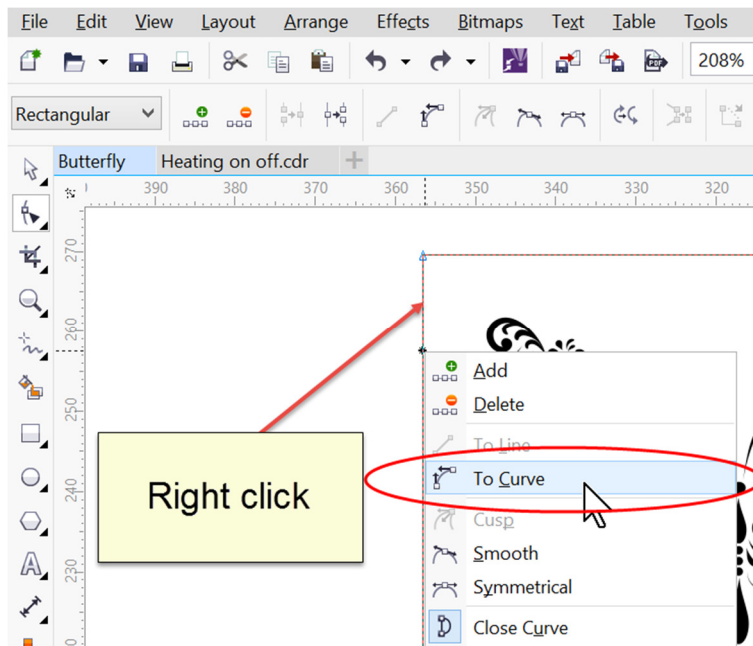


3 Step-By-Step Instructions

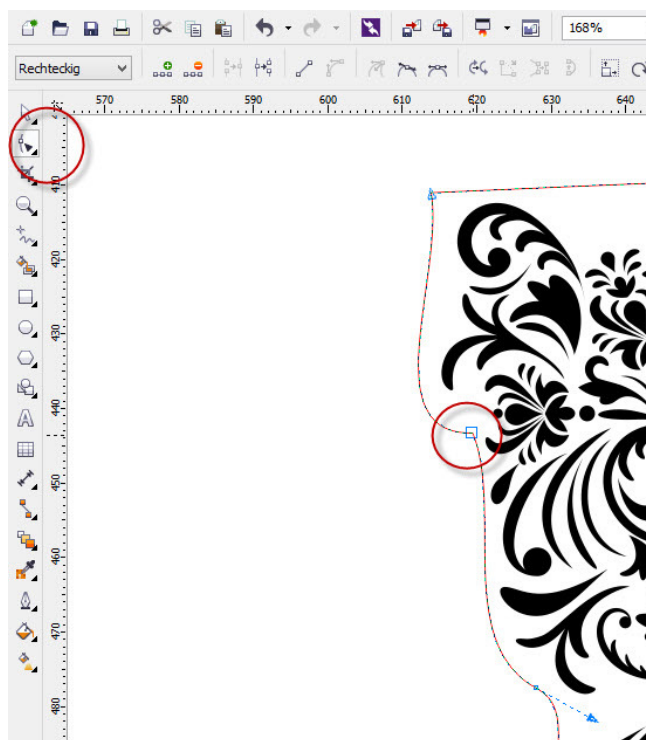
- Import the graphic into a new Corel file
- Create a rectangle around it (Hairline, R:255, G:0, B,0)
- Convert the rectangle with the right mouse button in a curve



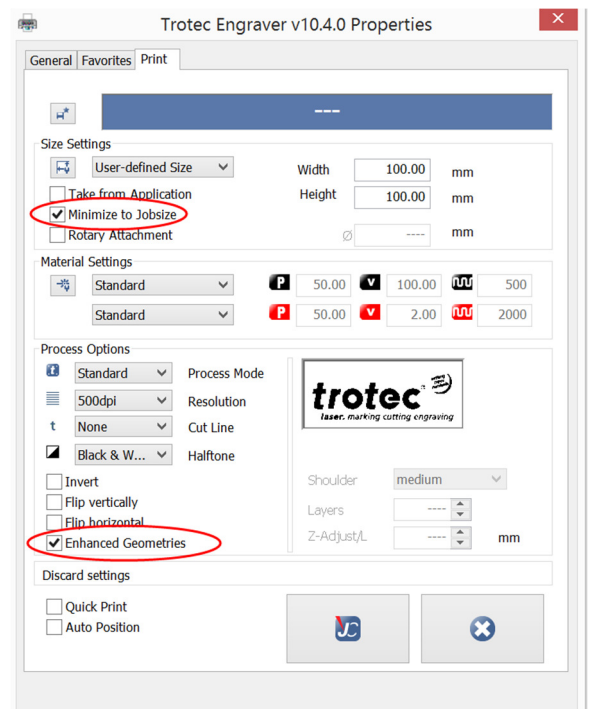
- Use the “Shape” tool to convert the lines in individual curves



- Adjust the individual parts to fit the graphic by using anchor points. An anchor point can be set by the use of a double click on the required position and can also be removed in the same manner

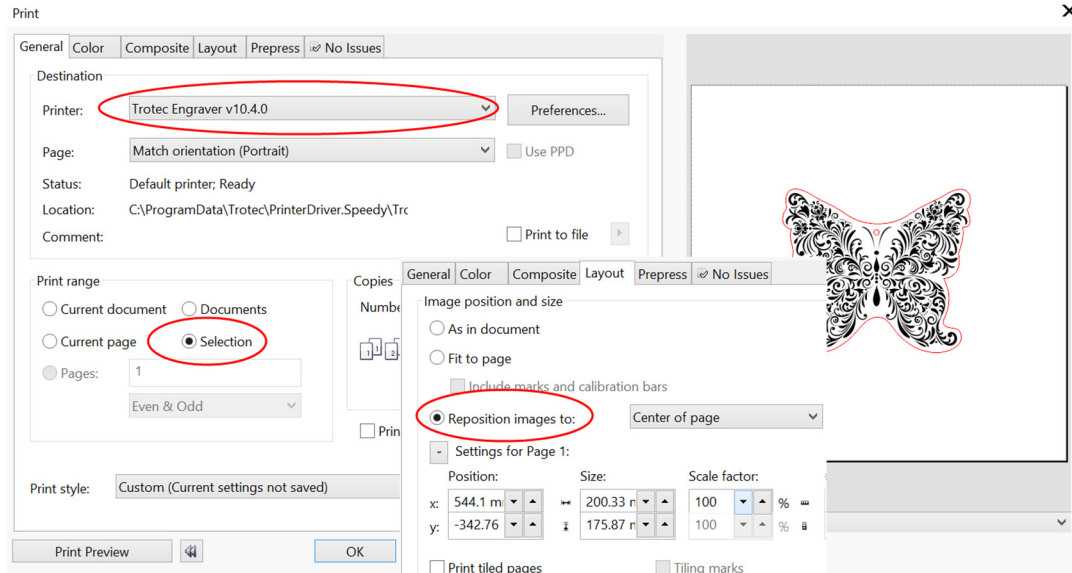


- Adding a circle, onto the butterfly, which is not larger than 5mm, the butterfly will be hung up later, (Hairline, R: 255, G: 0, B: 0)
- Observe the cutting sequence, as the cutting lines are executed in the printing process of Corel from bottom to top
 - First the interior cut, next the exterior cut
 - Can be set up in the Object Manager of CorelDraw
- Select all and print
- **In the Trotec Engraver properties:**
 - Enter the dimensions of the graphic, +1 mm in height and width
 - When "Minimize to Job size" is selected, the dimensions may be larger
 - Select the material
 - **In Process Options:**
 - Process mode: Standard
 - Resolution: (depending on the material) 500 dpi
 - Cut Line: none (has been prepared in the graphic)
 - Halftone: black & white or color (both will function in this job)
 - Select "Enhanced Geometries"



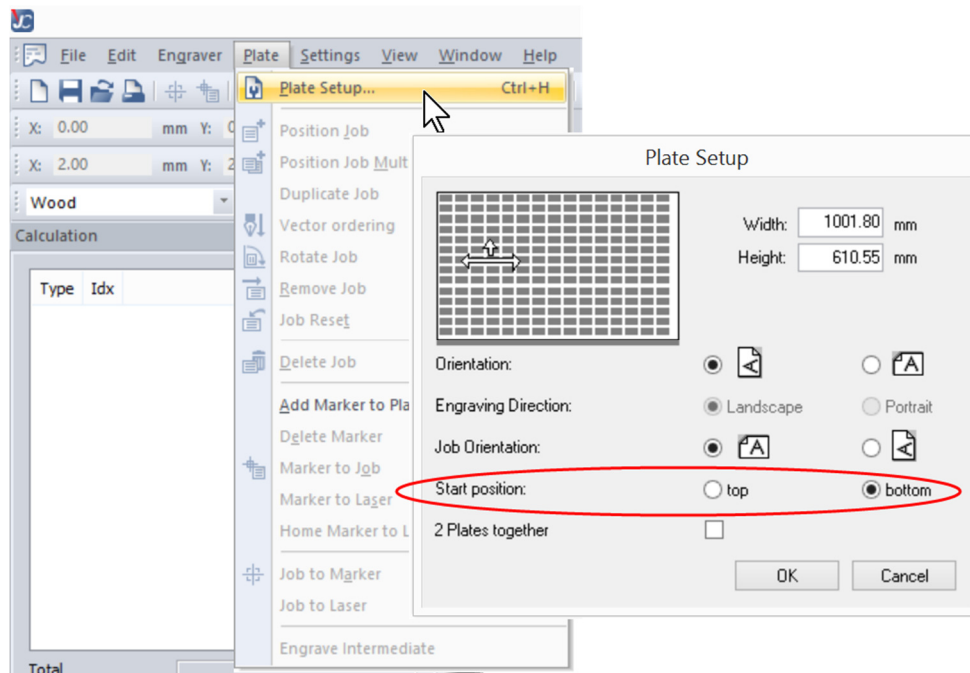
- Send the job to JobControl by hitting the JC- Symbol

- In the Print Window, in the tab "**General**" select "**Selection**", and in the tab "**Layout**" select Reposition Images to: "**Center of page**"

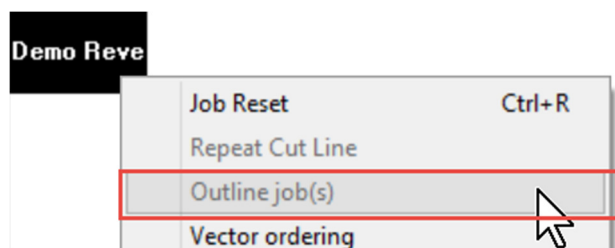


- When the printing area was set too small in the size settings, you will see it in the preview window
- When at first "Minimize to Job size" was selected, the preview will show a too large print preview. The minimizing will be done in JobControl
- Print
- **Assigning a job name**
 - Functions only when in the Trotec engraver properties "Ask for Job-Name" has been selected. Go to Printer – Trotec Engraver – Preferences – General – Job-Name
 - If not, the job will automatically be given the name of the graphic file

- **Plate setup:** Start position bottom



- Remove protection foil from the laminate
- Place the laminate on the honeycomb table, use vacuum, cover remaining openings with paper to optimize the vacuum
- When needed secure with paper tape
- When in doubt, if the job fits on the laminate:
 - Place the job in JobControl on the plate. By clicking right, activate the command "Outline job(s)", when everything fits, stop the command



- **Focus**
- **Start**

4 Tips

- Use the z-Offset to obtain a more homogeneous engraving result, depending the graphic, adjust to max. 3mm in the +
- Check the parameters, the focus, and the job on the table when there are still remains of color
- When the parameters are not suitable, you will be shown in the Parameter finding tutorial what needs to be done