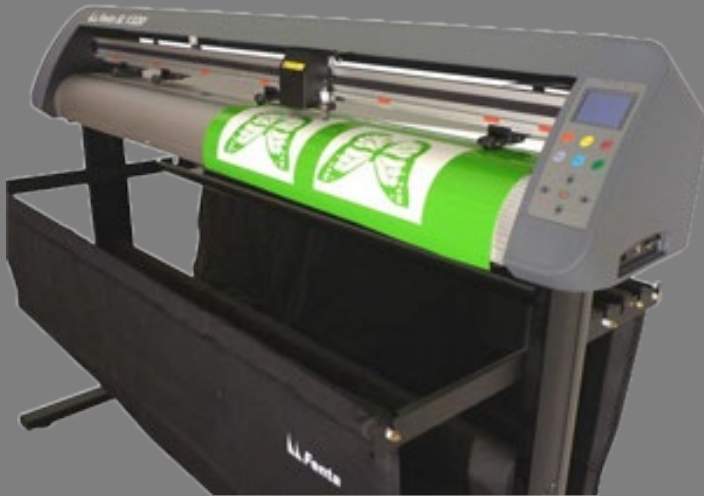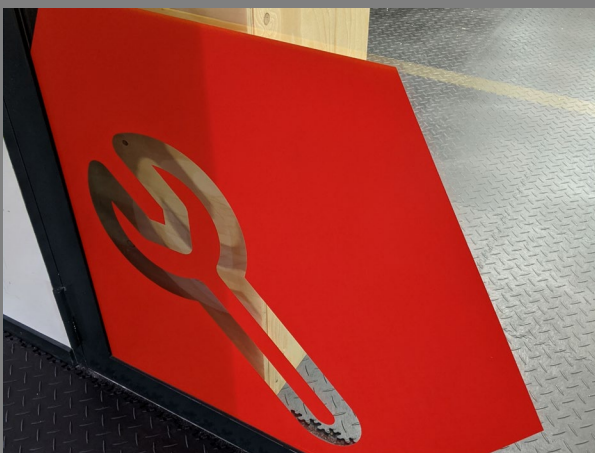# Fenta SL1300 Cutting Plotter

- *Cuts Vinyl and Textile Foils*
- *Maximum Cutting Width: 132cm*
- *Maximum Cutting Length: unlimited*

You can make:

Sticking Signs

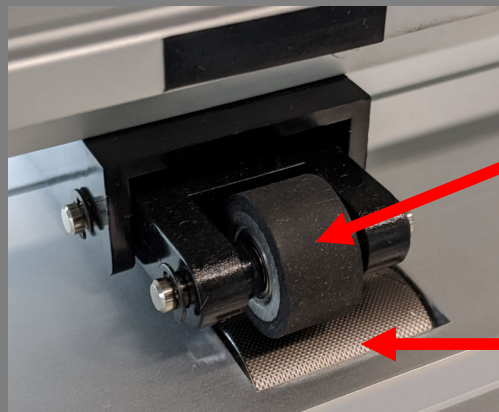**Customized Clothes**

How to cut

1. Turn the machine on

1. Turn the machine on using the acos-system
2. Wait for the machine to finish its initialization

2. Bring the rollers to the correct positions

The rollers that hold the material down need to be positioned such that:

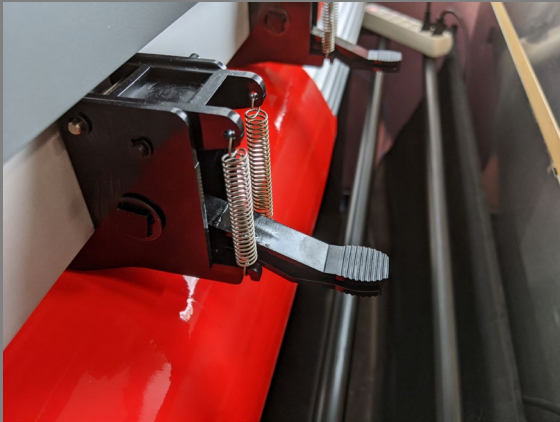- Each roller is on top of one the bottom rolls

Roller

Bottom Roll

- They cover the whole width of the material
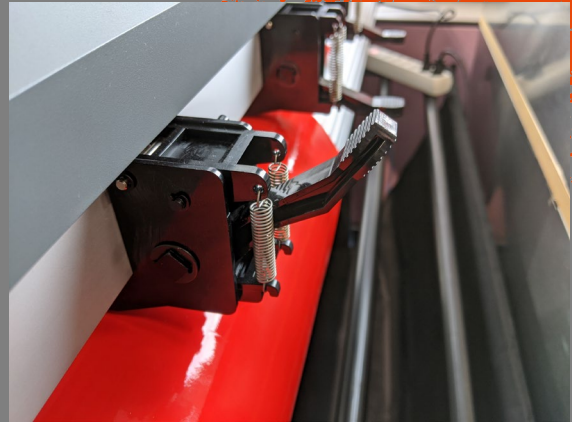- They are evenly distributed

How to cut

To move the rollers, pull the lever on the backside of the machine up. To lock them, push the lever down.
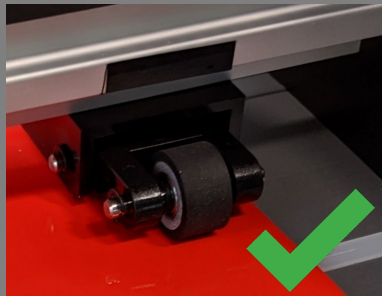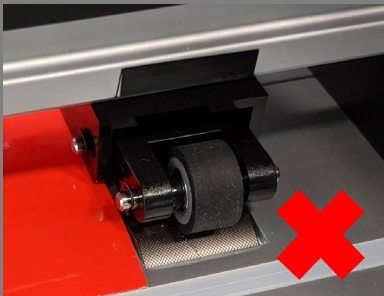

Open

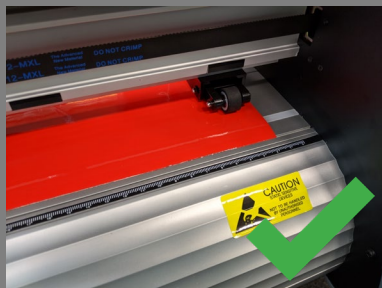*Locked*

How to cut

3. Load the material
1. *Open the roller bevels*
2. *Push the material in the machine from the backside.*

Make sure that:
- *The material fits between the rollers and the bottom rolls.*

- *The front edge of the material is aligned with the ruler on the machine*

3. *Lock the roller bevels again.*
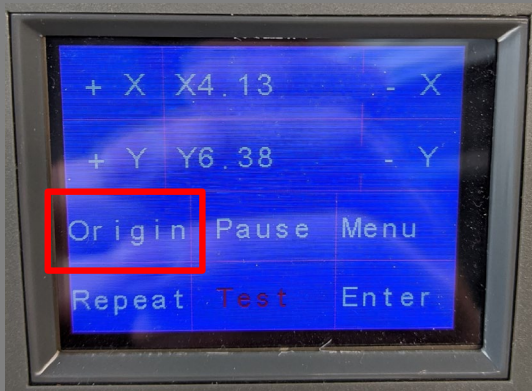
How to cut

4. Set the origin
You can tell the machine where to start cutting.

1. *Move the cutting head to the desired origin using the arrow keys.*

2. *Click on "Origin" on the screen to make the current point the new origin.*

3. *You can now start the plot from the computer.*

Two Software Options

CorelDraw

- *Same Software as for the Lasercutters*
- *Very powerful but also complex*
- *Not good to vectorize images*
- *Available on all Makerspace computers*

Vinyl Master

- *Easier to use and still powerful*
- *Great tool to vectorize images*
- *Much integrated content (company logos, standard signs, clip arts, etc…)*
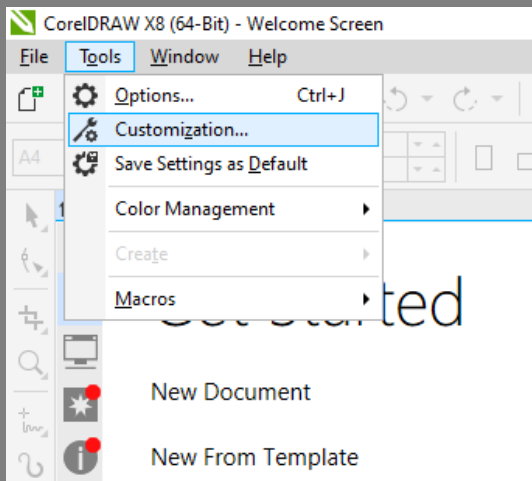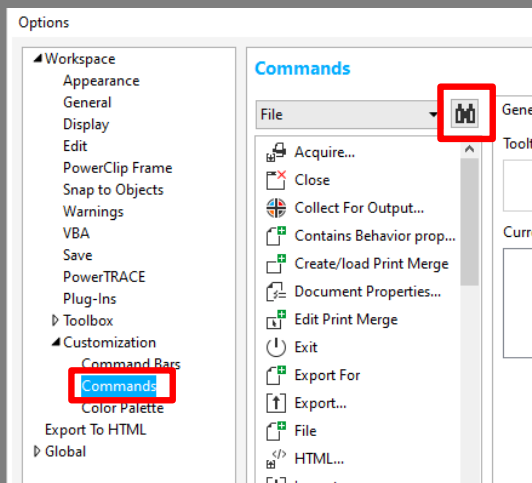- *Only available on the computer next to the plotting cutter*

CorelDraw

Enable the plotter plugin

This must be done only ONCE on the computer next to the cutting plotter to allow you to use the plotter from CorelDraw.

1. **Open CorelDraw**
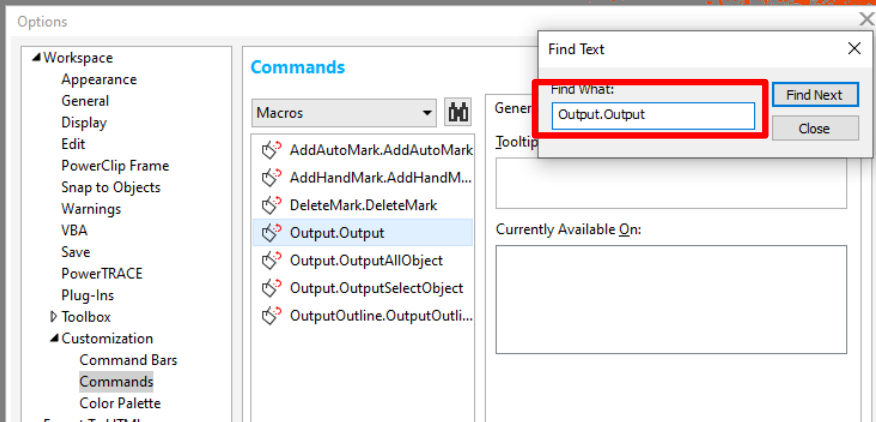2. **Click on «Tools» → «Customization»**

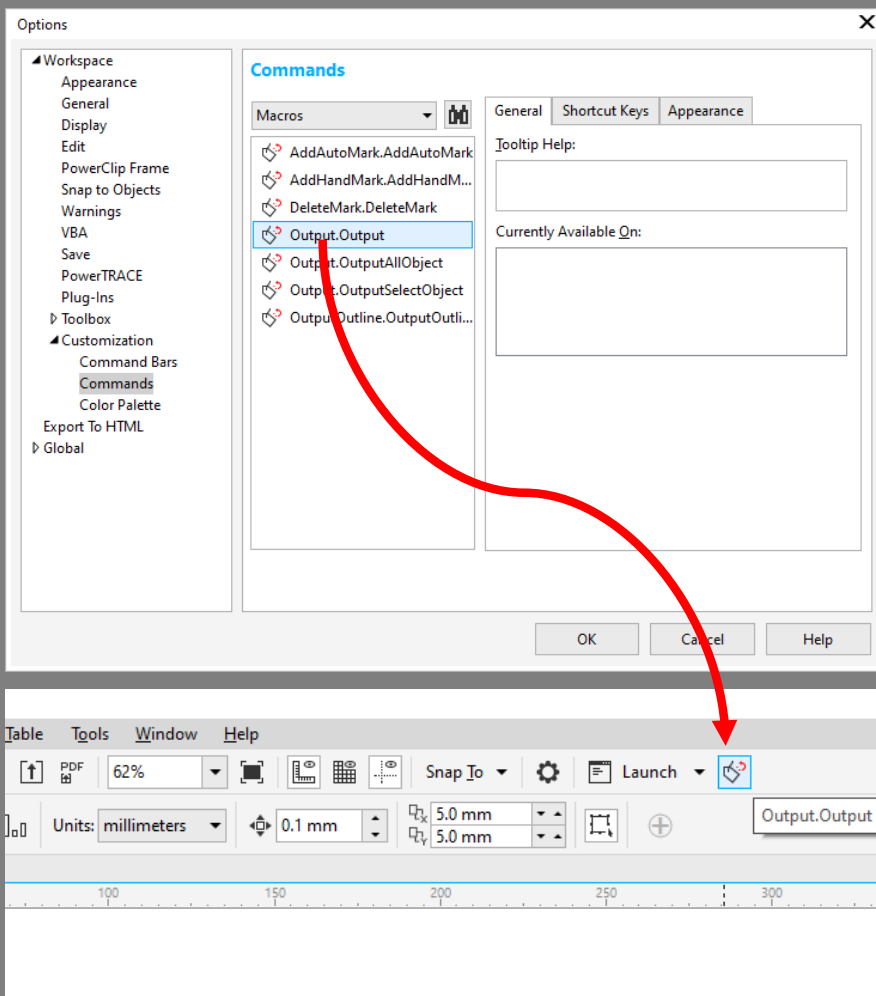3. **Click on «Commands» and then on the search button**

CorelDraw

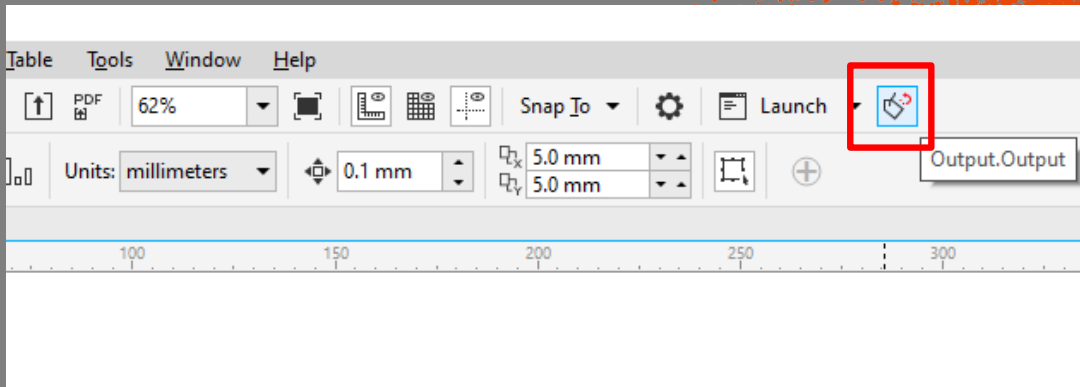## *4. Search for «Output.Output» and click «Find Next»*

5. Select «Output.Output» and Drag'n'Drop it into the toolbar

CorelDraw

6. **Close the Options-Window**
7. **From now on you can use the new Icon in the toolbar to send the document to the plotter.**
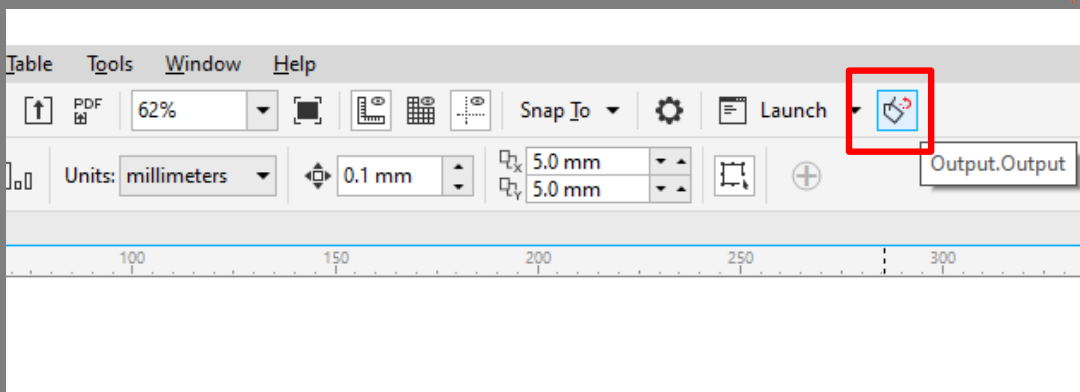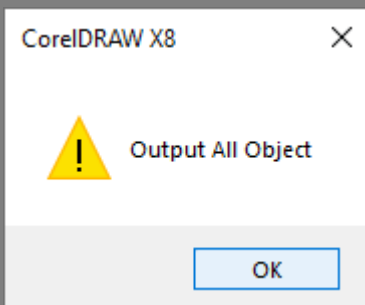
CorelDraw

Start a plotting job

To send the current document to the plotter:

1. Design the file you want to plot
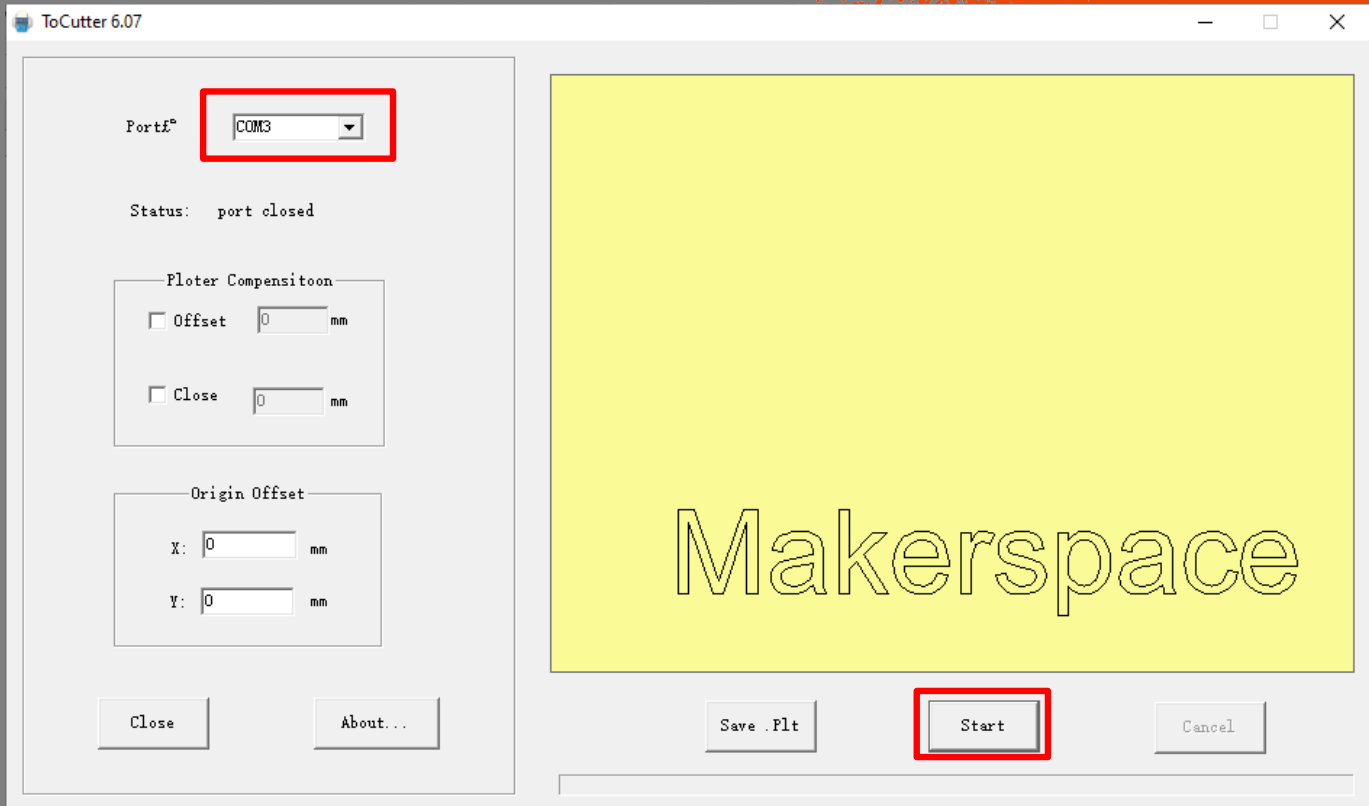2. Click on the «Output.Output» icon

3. Confirm with «OK»

CorelDraw

3. *Select the Port «COM3»*

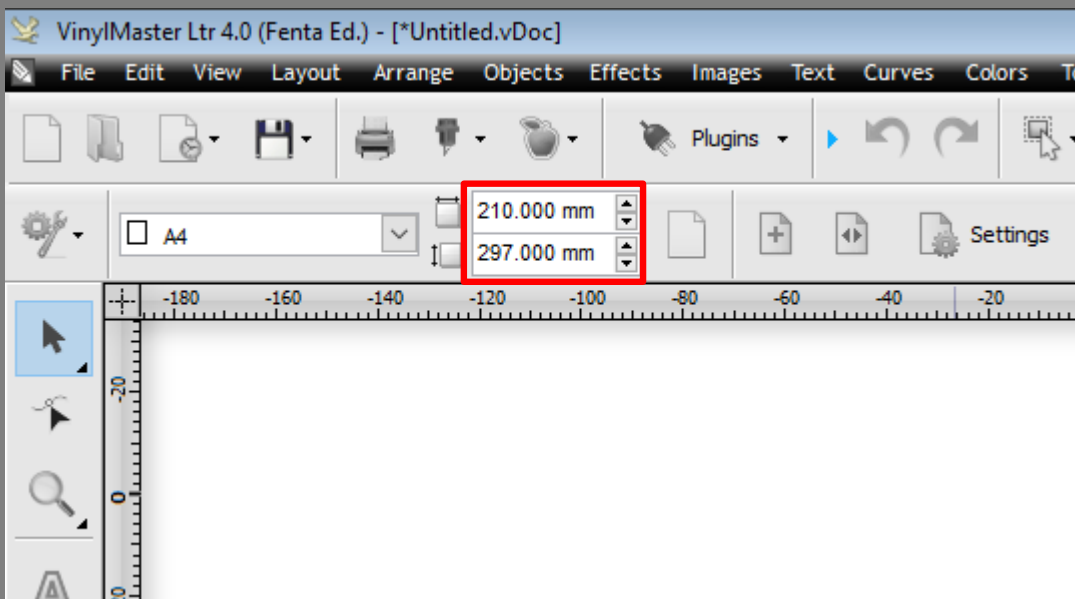4. *Make sure that the plotter is ready to cut*
5. *Press Start*

VinylMaster

1. Click on «New Document»

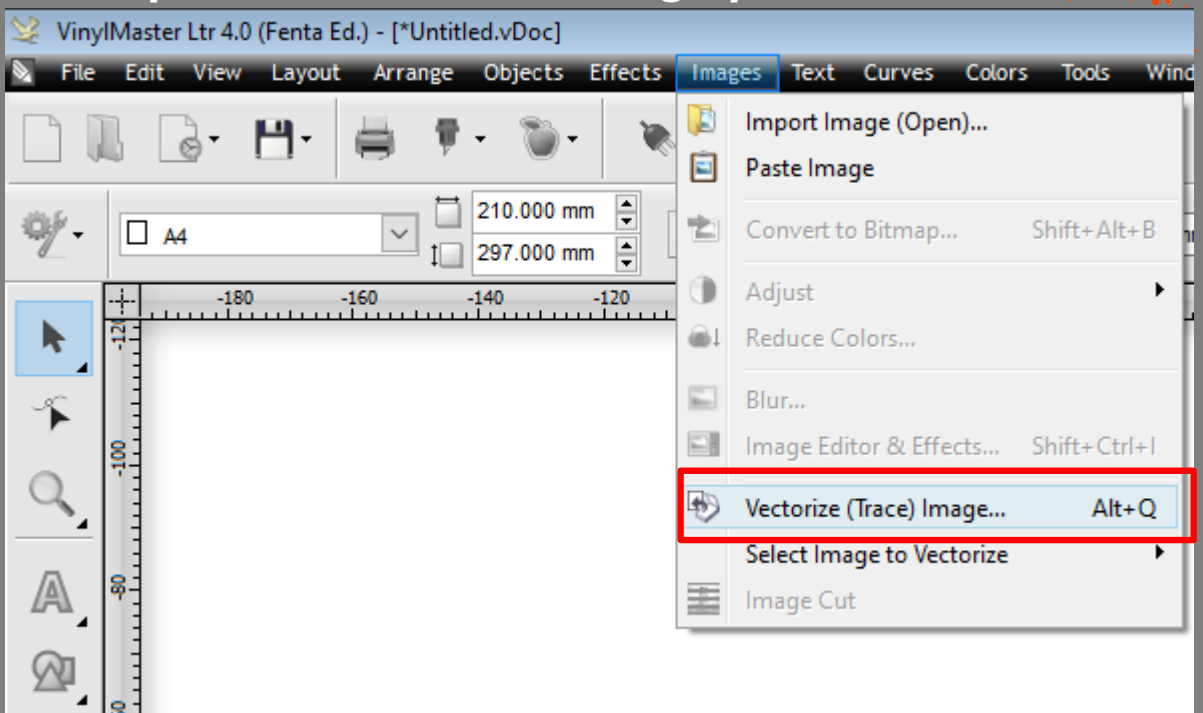## 2. Adjust the document size according to your material

3. Create your design

VinylMaster
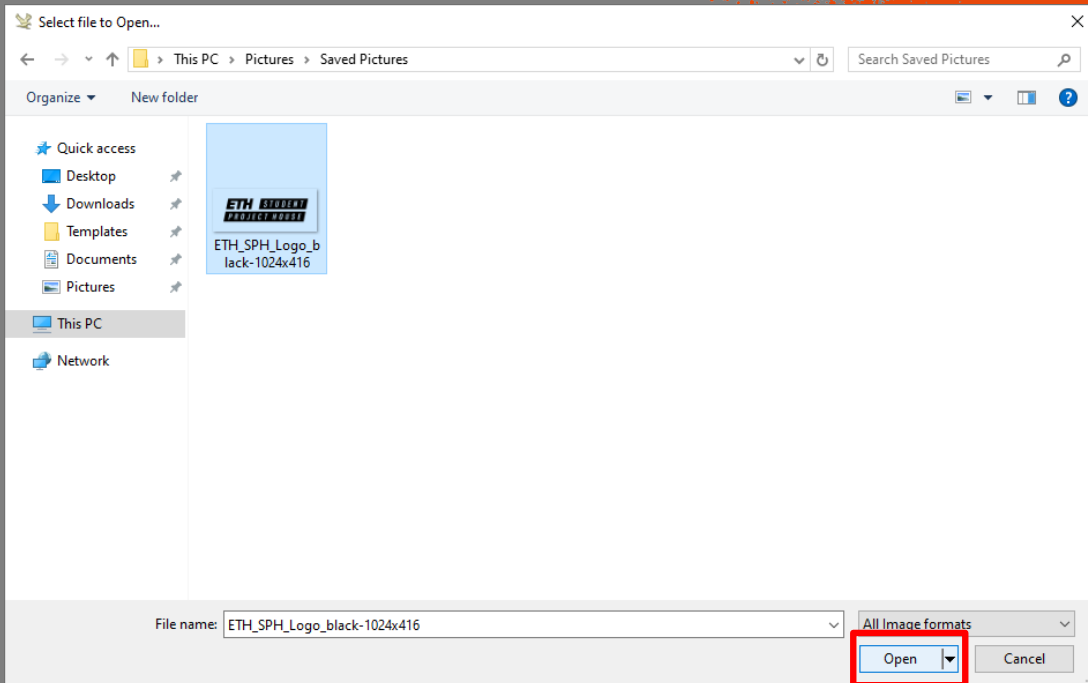
Vectorizing an image

To cut a logo from an image file (e.g. JPG or PNG) the software needs to vectorize the image (convert pixels to lines and curves)

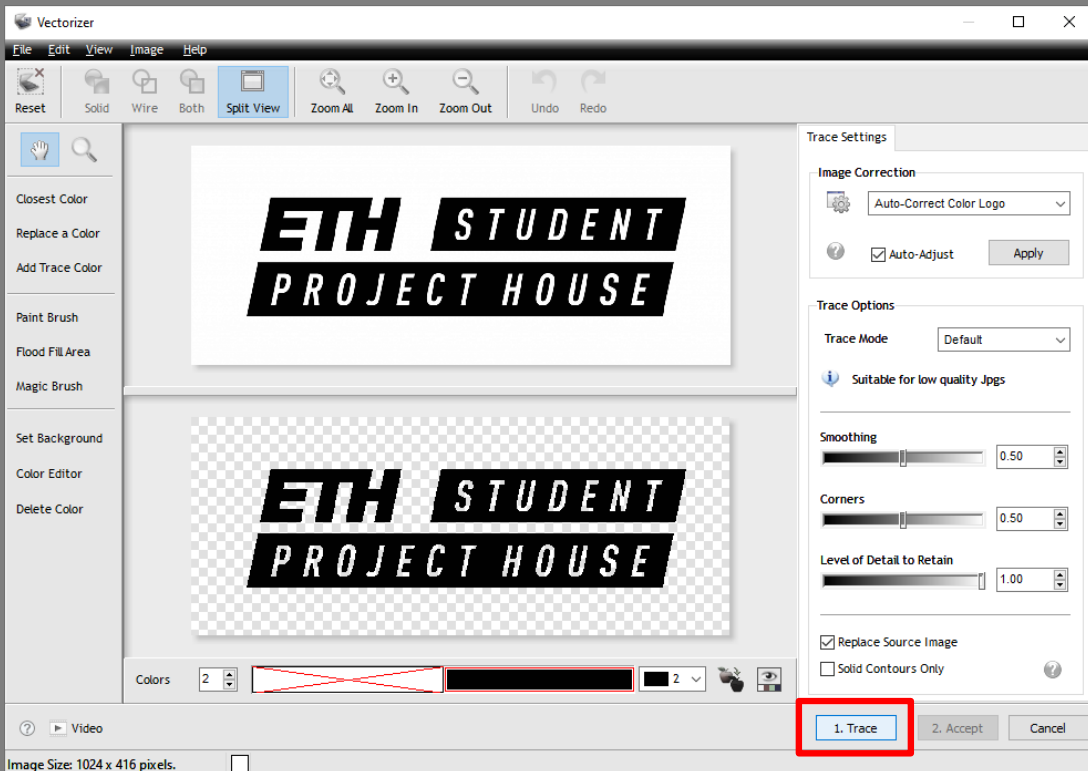1. **To import and vectorize a logo press «Alt + Q»**

VinylMaster

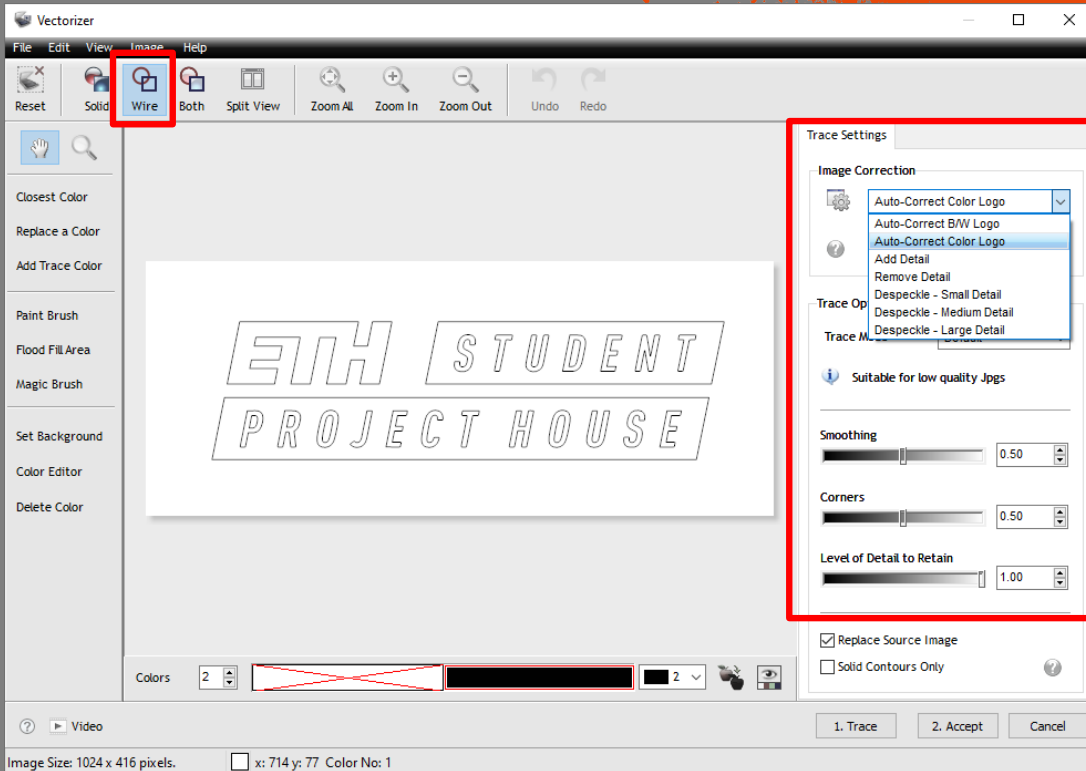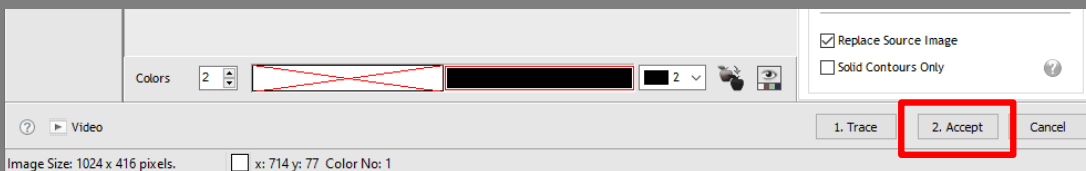## 1. Select an image file and press «Open»

2. Click on «1. Trace»

VinylMaster

3. Click on «Wire» to see the detected outlines

4. You might want to adjust the Trace Settings on the right side to improve the result. Press «1. Trace» again to apply changes of these settings.

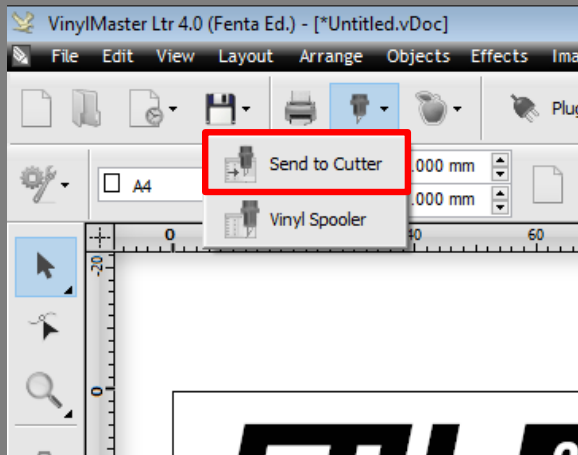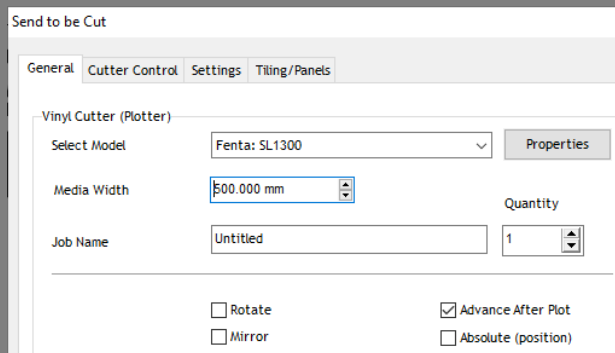**5. Press «2. Accept» when you are happy with the results**

VinylMaster

Plotting a document

To cut the current document:

1. **Click on «Cut» → «Send to Cutter»**

2. **Make sure that «Fenta: SL1300» is selected and that «Media Width» is set according to your material**
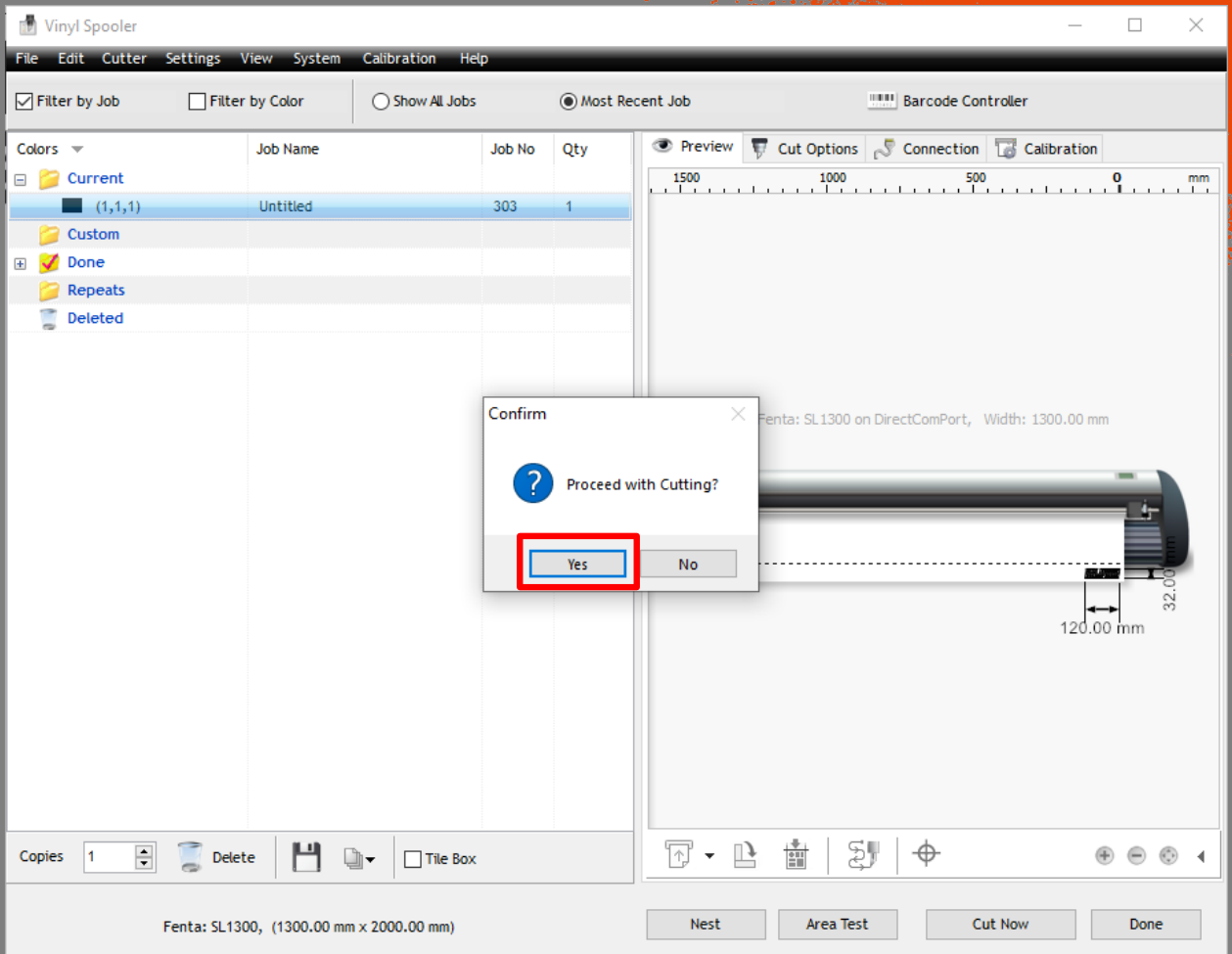

3. **Make sure that the plotter is ready to cut.**
4. **Click on «Cut Now»**

VinylMaster

4. Confirm the dialog with «Yes»

5. Wait for the job to finish and close the «Vinyl Spooler»-Windows

Using Transfer Foil

If your object consists of multiple, non connected parts, you might want to use transfer foil to bring it to its final position:

1. **Cut out the part as usual on the plotter**

2. **Remove all the foil parts that are not part of the final object** (a knife can be helpful)

3. **Take a piece of transfer foil and put it with its sticky side on the front of your object**

4. **Remove the carrier film from the backside of your object. Make sure that all parts stick to the transfer foil!**

5. **Place the object in its final position.**

6. **Remove the transfer foil.**