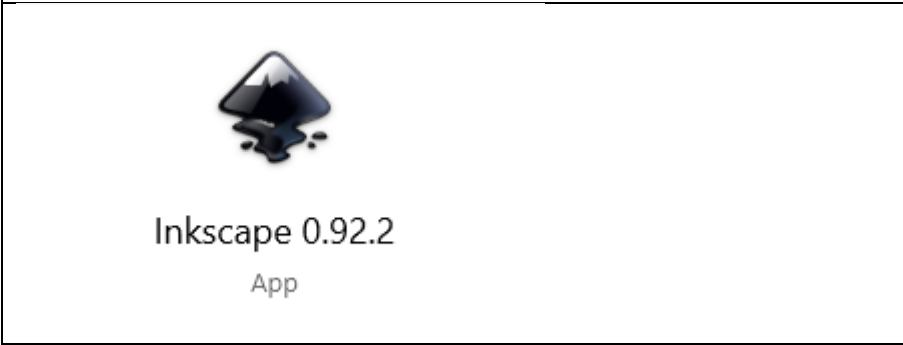
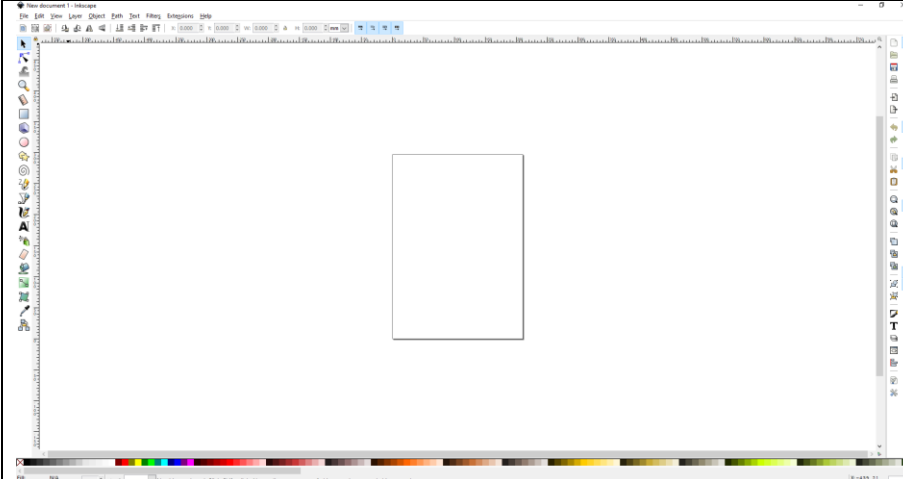


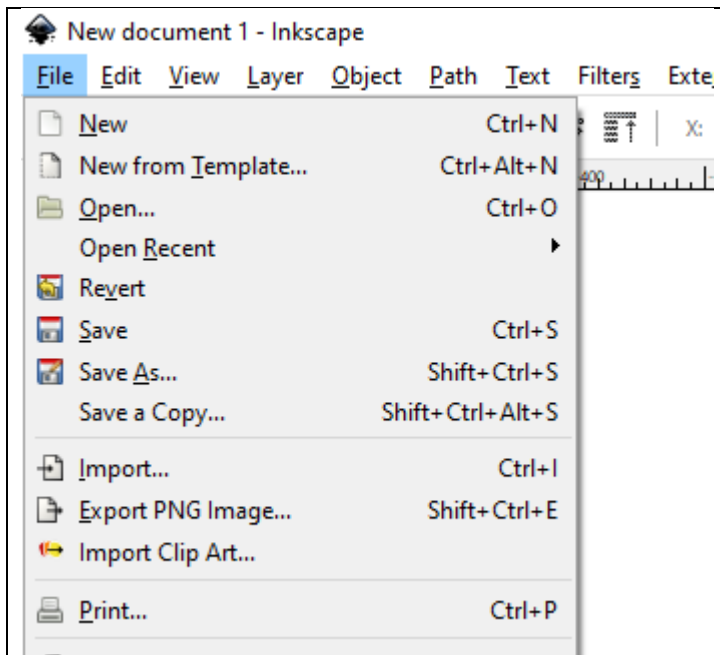
Using Inkscape with the Lasercutter

When to use Inkscape:

- If you have an image (drawn, scanned, and emailed or downloaded)
- If you do not need the precision of AutoCAD
- If you do not need to cut through your material

Instructions

Picture	Description
	<p>Open Inkscape</p> <p>This can be found by typing "Inkscape" in the bottom search menu</p> <p>(Give it a minute to open)</p>
	<p>This is the blank document screen</p>



Import or Paste your image

You can use the File menu and the Import option.

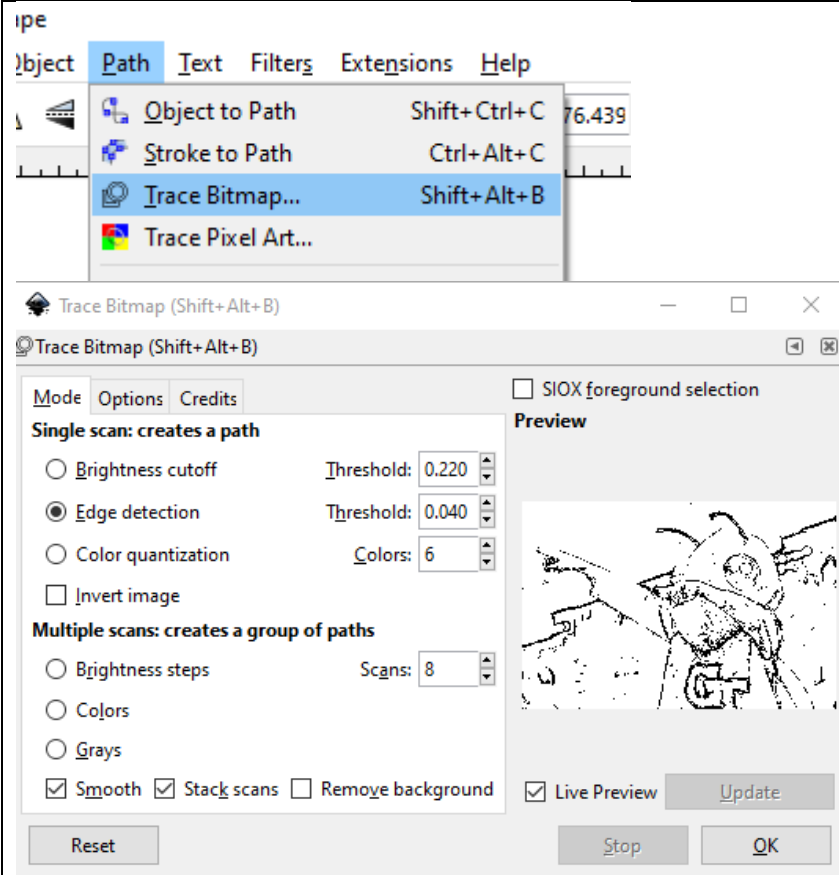
Other options include using the "snip and sketch" tool (Shift + Windows + S) and copying from your selected area

Or copying and pasting an image directly by right-clicking on it.



See the pasted image

This image is pretty complicated so it might be useful to make a bitmap trace of it so that it comes through better as a raster.



Rasterize by Bitmap tracing

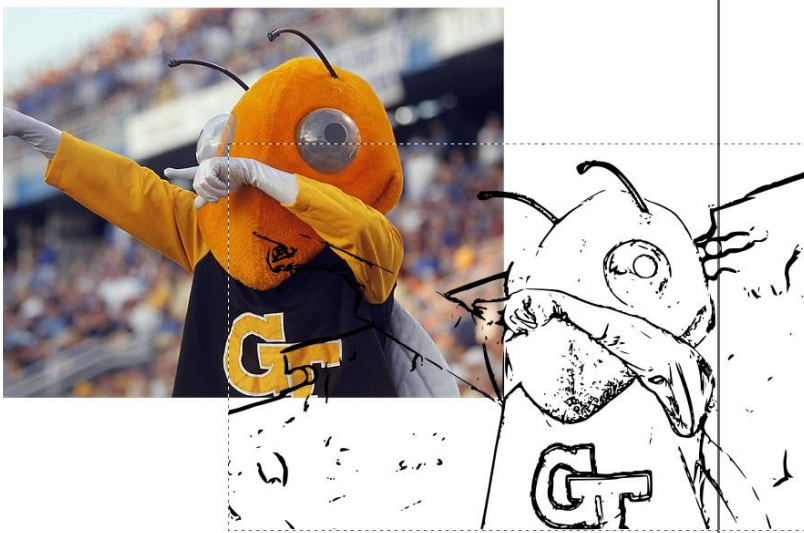
Select your image and click on "Trace Bitmap" in the Path menu.

There are several different methods for bitmap tracing.

Turn on a "Live Preview" to get a sense of how your choices are effecting your image. Be careful as there may be some lag.

For this case, I chose "Edge detection" because that seemed to find the best outline.

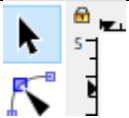
For a good summary of bitmap tracing, see the following website:
<https://logosbynick.com/race-bitmap-in-inkscape/>



When you are done, click OK and drag away your finished bitmap layer with your mouse.



If you are satisfied with the bitmap tracing, you can exit the bitmap tracing menu, select your original picture and press “Backspace” to delete it out of the document area.



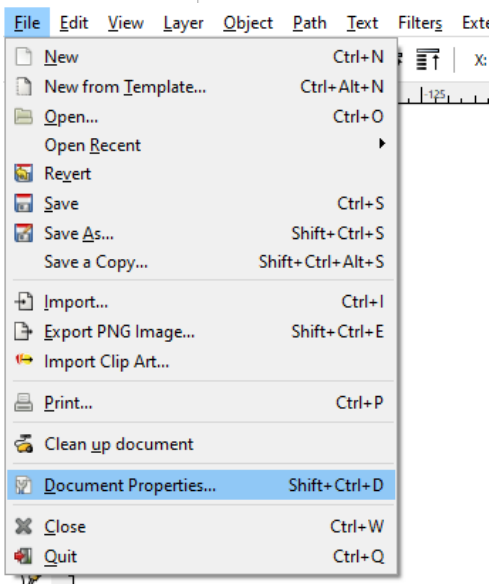
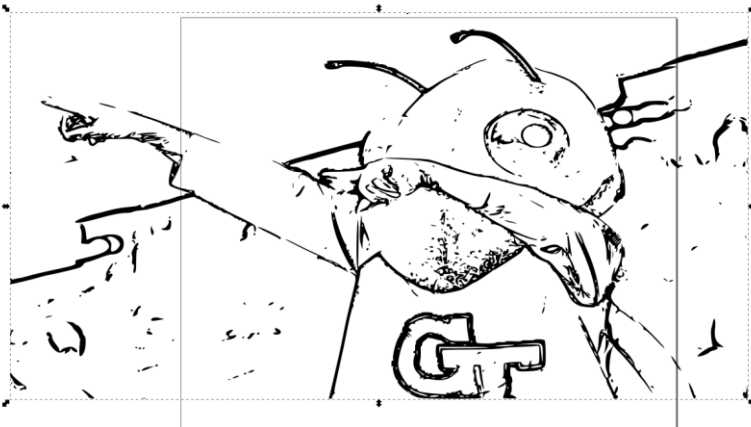
Resize your image to the desired dimensions

Make sure the black arrow on the top left is selected.

Select your image and you will see you are able to see and edit dimensions manually in the top bar.

If you wish to preserve the aspect ratio, click on the tiny lock icon in between W and H. You can switch between mm and inches on the right.

Make sure to keep your dimensions smaller than the laser cutter itself!



Custom size

Width:	<input type="text" value="210.00000"/>	Units:	<input type="text" value="mm"/>
Height:	<input type="text" value="297.00000"/>		

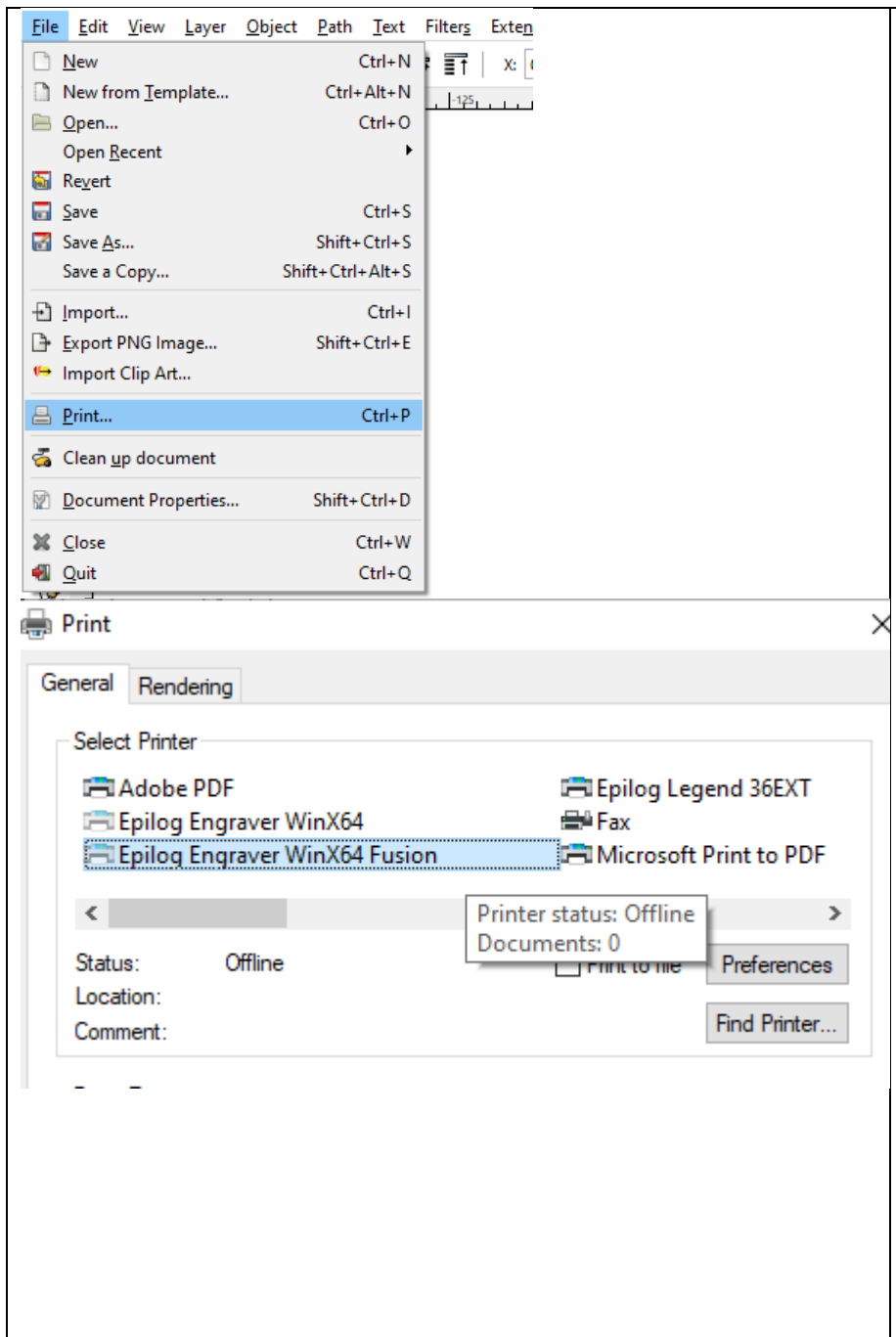
Resize page to content...

Resize the document area if necessary

If your image goes past the document area, you will need to resize the document area.

Open up the Document Properties from the File menu

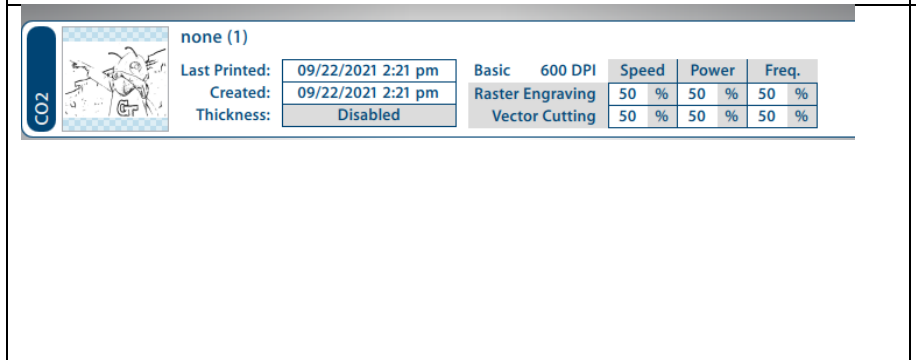
You can manually change the document area size from this section of the Document Properties Menu.



Send your image to the Epilog Printer

Select "Print..." from the File menu

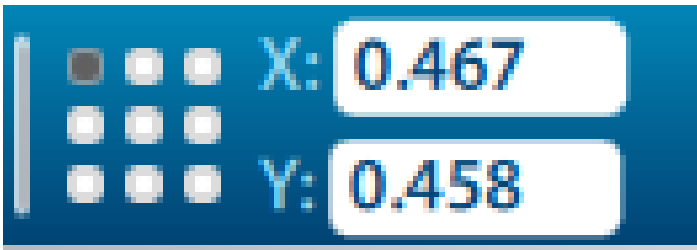
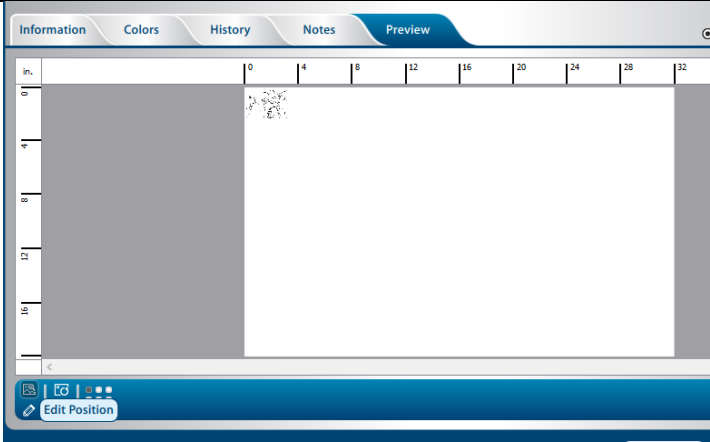
Choose whichever Epilog Printer is working at the time (Either Epilog Engraver WinX64 Fusion or Legend 36EXT)



Edit position of your image

In the Epilog Job Manager, you will see your image

Select the image and go to the "Preview" menu

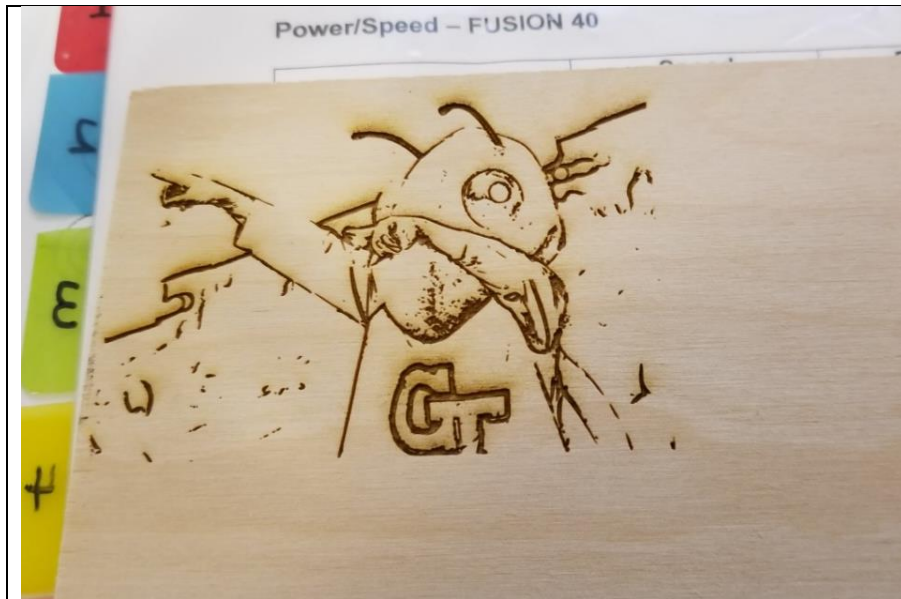


Zoom in to see your image better on the bottom right.

On the bottom left, click on the tiny pencil to edit the position.

You can click and drag the image or manually type X and Y coordinates. These coordinates will be in inches.

The squares on the left tell you which corner the X and Y are being measured from.



When you are satisfied, follow SOP for focusing the laser and choosing raster engraving speed and power.

Here is the finished product!