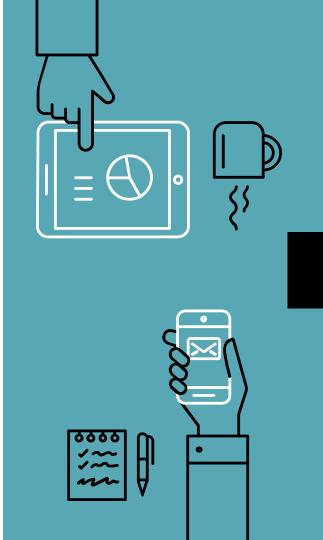
Digital Fabrication Work Flow





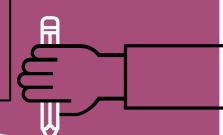






Open New Design - insert vinyl into machine. Choose Cutting Set-up -> Change-> Get from Machine. This sets your size.

File -> Cutting
(NOT print and cut)
See additional instructions
for weeding and heat press
options.



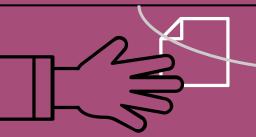
For TEXT:

Use tool "A" to choose text (do not use a text box).
CutStudio automatically draws all lines for cutting.



For SHAPES:

Use geometry tools on left side toolbar. See tutorial for additional options.



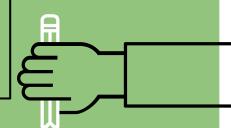
For IMAGES:

Import Image -> rt click->
Image Outline. Extract
contour lines (remove thin
lines) -> OK.
Delete bitmap image.



Open New Design - insert correct measurement for the stock (wood, vinyl, acrylic, etc.) you have chosen.

Save files to your Google DRIVE. Download & Open on computer connected to the machine and follow written tutorials.



For TEXT:

Use tool "A" to choose text (do not use a text box). For engraving any pt size will do. For cutting -> Convert to Curves -> change pt size to "Hairline"

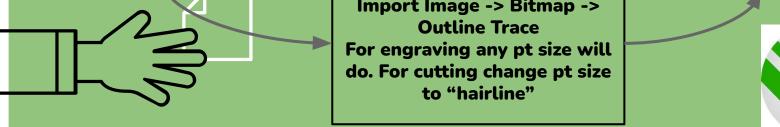


CorelDRAW

for Laser Cutter

For SHAPES:

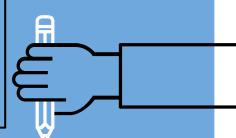
Use geometry tools on left side toolbar. See tutorial for additional options.





Open New Design - insert correct measurement for the stock (wood, acrylic, etc.) you have chosen.

Save files to your Google DRIVE. Save to flash drive & Open on computer connected to the machine and follow written tutorials for making toolpaths.



For TEXT:

Use tool "T" to choose text and type into open window.

Vectric Aspire

for CNC routing

For IMAGES:

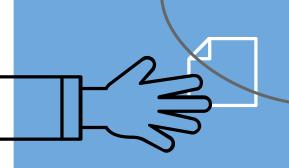
Import Image -> Bitmap Trace (bird icon). Choose colors to trace -> Preview -> Apply -> Close. Delete original image after bitmap gives you a line drawing.

For SHAPES:

Use geometry tools on left side toolbar. See tutorial for additional options.



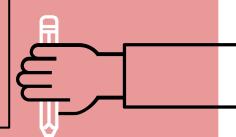




Go to tinkercad.com and login or sign up for a new account.

Be sure to write down or remember password!

Tinkercad will automatically save your designs. When ready to 3D print EXPORT as an STL file. Then follow the directions for the 3D Printer Slicer.



Choose tinkercad icon -> click on Create new design.

Tinkercad.com for 3D Printing

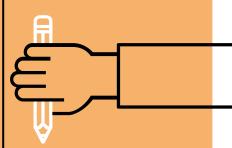
Drag and drop geometric shapes onto workplane. Change size and position, rotation, etc.

Shapes can be solid or a hole. Arrange and group objects as you wish. Use the tutorial for more options.



Login or sign up for an account (only free for education). This should be the same as your tinkercad account as it is the same company. Be sure to write down or remember password!

Fusion will automatically save your designs. When ready to 3D print right click your components and save as an STL file. Then follow the directions for the 3D Printer Slicer.



Choose FILE -> Create new design.

Fusion 360 for 3D Printing

Or save as vector files for laser and CNC.

Drag and drop geometric shapes onto workplane. Change size, position, or rotation. Modify shapes with push/pull, add fillets, etc.

Fusion 360 is pretty complicated, therefore I recommend watching videos and reading tutorials.

