

# Laser Cutting Checklist:

## Epilog Machine

- Air supply valve is on
- Pressure is close to, but no more than 20psi
- Laser cutter is turned on
- Exhaust vent is set to high
- Cutting bed has been cleared and material to be cut had been loaded

## Corel Draw:

- All vectors are at hairline width
- Page size is equal to material or cutting bed
- Image is on the Page

## Printing Screen:

- Epilog Engraver is selected as the printer
- Print range is what you want it to be (generally either current document or selection only)
- Select The Preferences button

## Printing Preference Screen for the Epilog:

- Job Type is correct
- Piece size matches the page size of the document
- Auto focus is selected if you did not manually adjust the bed height
- Speed and power are set
- Speed and Power have been tested
- Have you run a test cut? Is this the test cut?
- Hit OK

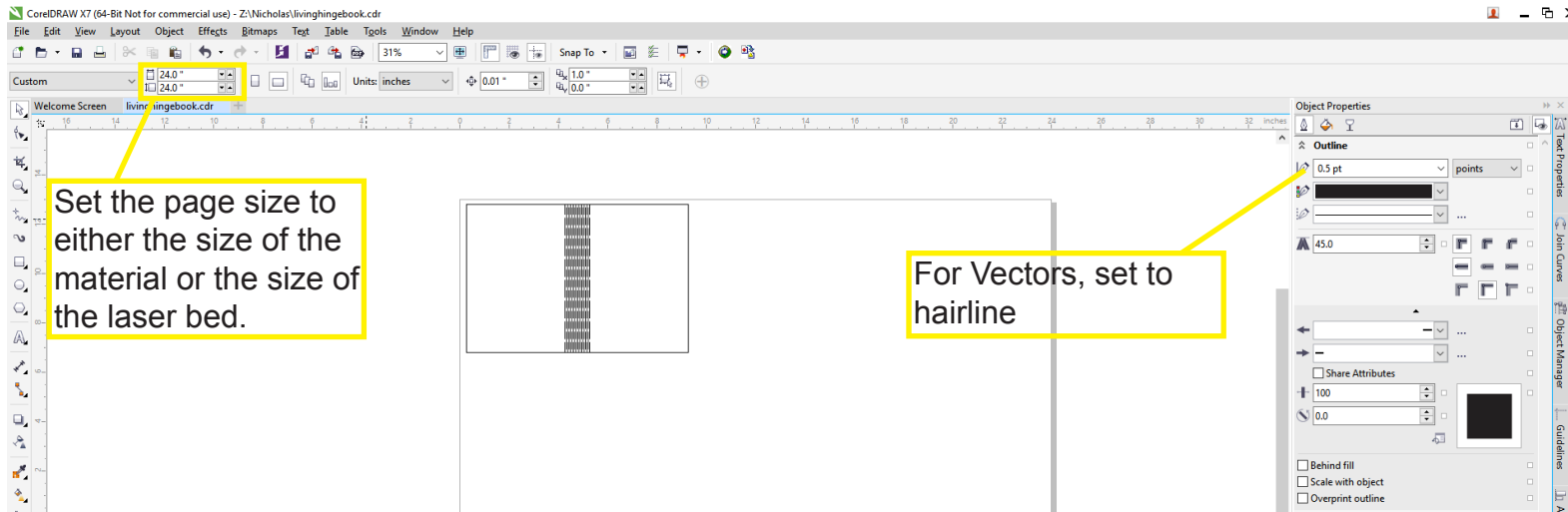
## Printing Screen (again)

- Preview matches what you expect to create
- Hit OK

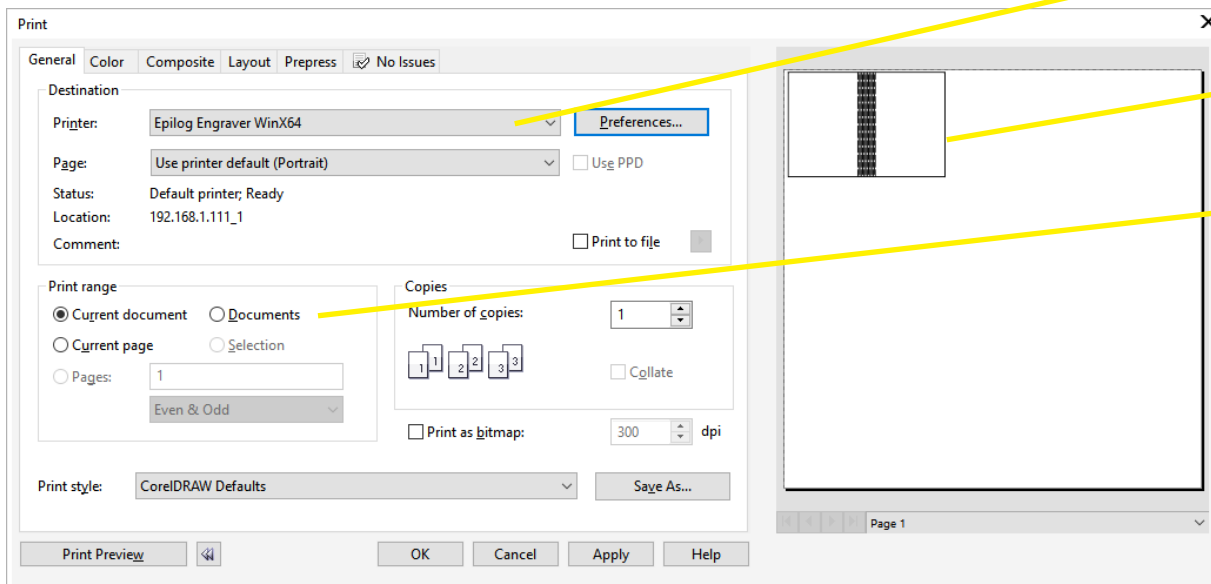
## Epilog Machine

- Machine has been re-homed (reset button) or home has been set using another method
- Job listed on machine is the one you want

# Corel Draw Screen



# Corel Draw Print Screen



Set to Epilog Engraver  
Use preferences to set cutting  
and engraving settings

Make sure this matches what  
you want to cut!

Current Document cuts and  
engraves everything in the  
document.  
Selection only cuts and  
engraves the selected items.

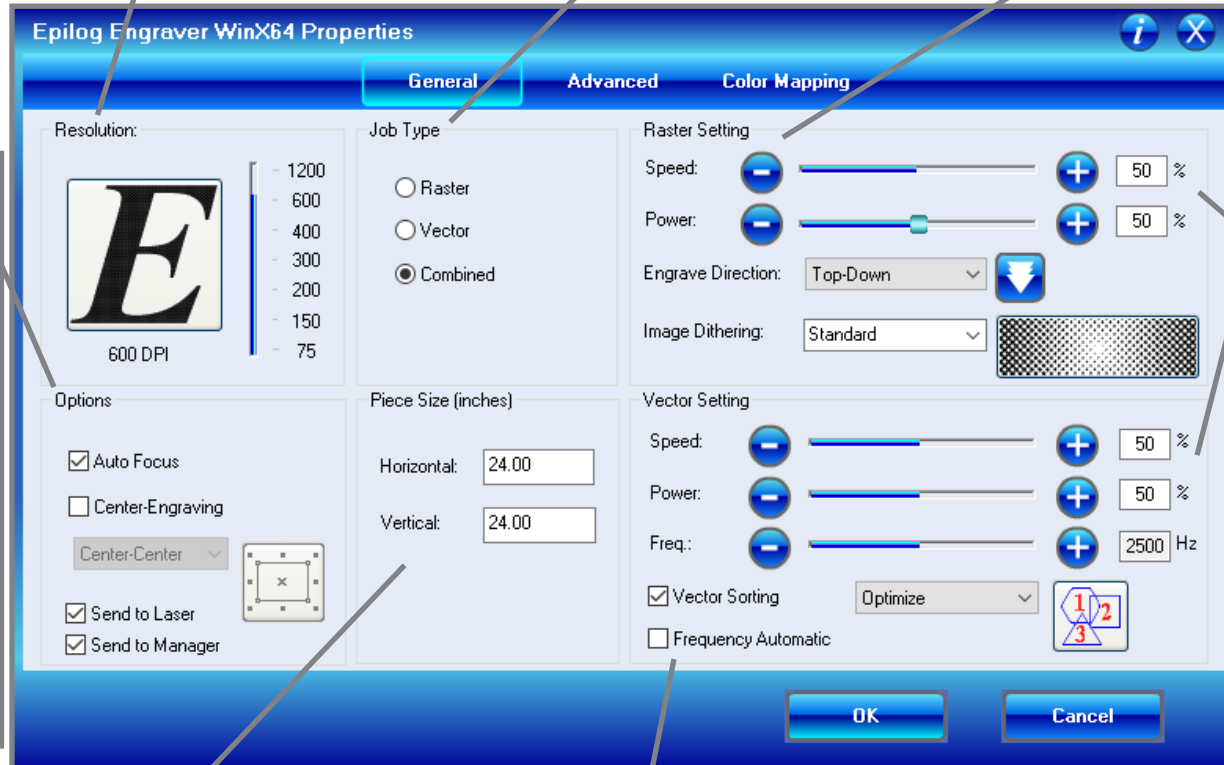
# Printer Settings

**Resolution:**  
Determines how tight points in a raster will be. Higher resolution is better quality, but will take longer to engrave.

**Job Type:**  
**Raster** will ignore vector lines.  
**Vector** will ignore non-hair line width lines and non-vectors.

**Raster Setting**  
**Engrave direction:** Whether engraving goes top to bottom or bottom to top.  
**Image dithering** controls how images are converted to engraving.

**Options:**  
**Auto focus:** Whether the bed height is automatically adjusted before the cut. Use unless you have manually set the bed height.  
**Center-Engraving:** Changes where the reference point of the document is located. The default reference point is the upper-left corner of the page.

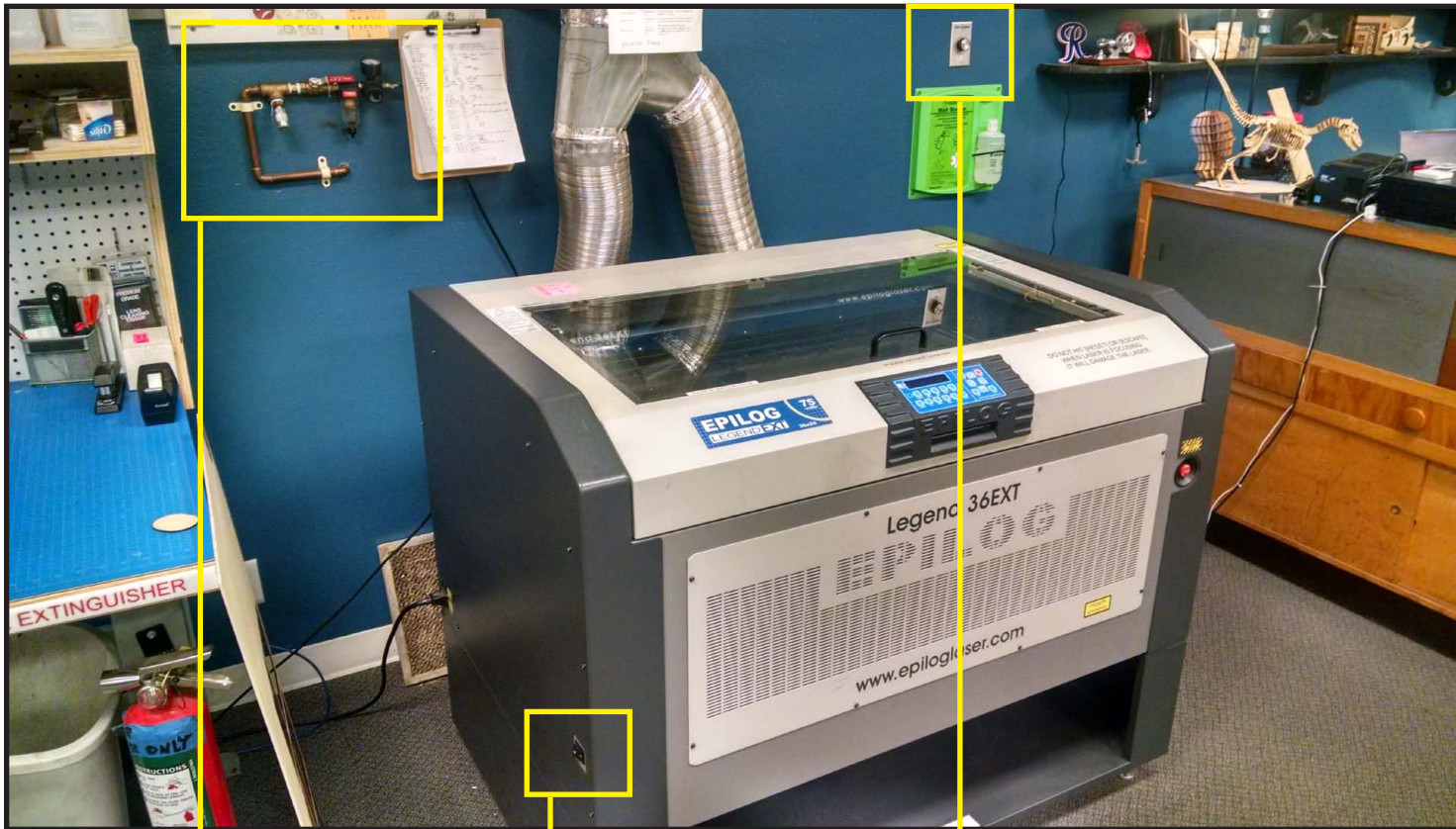


**Speed and Power:**  
**Speed:** How quickly the laser head moves. Slower speed cuts and burns more.  
**Power:** How strong the laser is. More power cuts and burns more. Do not use more than 90%

**Piece Size:**  
Should be set to the size of the page you are printing from

**Vector Setting:**  
**Frequency:** How many beam pulses/inch of travel while following vectors. Different materials have different optimum settings.  
**Vector Sorting:** Determines order of lines to cut/engrave. Optimized cuts the most efficiently and fastest. Inside-Out ensures that inner vectors are cut before outer vectors. No vector sorting (no checkmark) means vectors are cut in the order they exist in the file.  
**Frequency Automatic:** frequency will be 5000Hz

# Before Using the Laser:



Make sure the valve is open.  
Pressure should be close, but no  
more than 20PSI

Turn the machine on.

Turn the vent to High.