

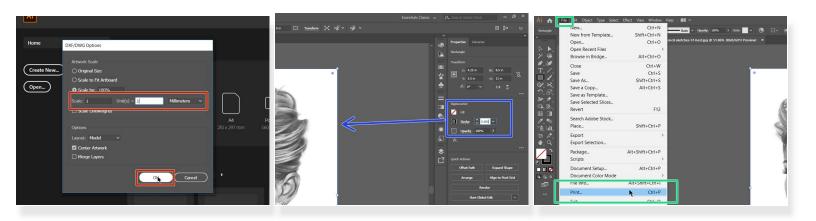
Adobe Illustrator: Preparing Files for the Epilog

Setup Adobe Illustrator to engrave and cut materials on the Epilog Fusion M2 Laser.

Written By: Andrew James Gregory

Home	DXF/DWG Options		
Create New Open	Artwork Scale Original Size Scale to Fit Artboard Scale bv: 100% Scale: 1 Unit(s) = 1 Millimeters Scale Lineweignts Options Layout: Model Center Artwork Merge Layers 	A4 210 x 297 mm	Pc 560
	Of Cancel	+	

Step 1 — Adobe Illustrator set up for Epilog laser

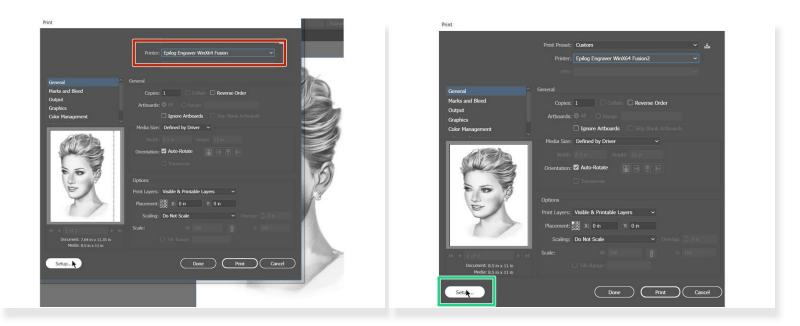


- Open your .dxf or .dwg file in Illustrator. Make sure you select the correct scale your file was drawn, inches, mm, and set the scale as 1=1
- Select/click on any lines that are to be cut lines, and change the stroke to .001. There should be no infill and the opacity should be 100%

(i) Anything that is not .001 will be rastered/engraved

• In order to send your print to the printer. Select **File** then select **Print**

Step 2 — Selecting the Epilog as Printer



- When you are on the print screen be sure to select the **Epilog** as your printer
- Now select the **Setup** button in the lower left corner. This opens up an additional menu

Step 3 — Epilog Print Properties

Select Printer	-	Princip Publicity Publicit
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- Double check that the Epilog printer is selected and click on the preferences button
- Epilog controls page will now be open. Select the Dpi for your project
- (i) The higher the Dpi the better the resolution. This will also affect the print time. 600 Dpi is usually a good compromise
- Select the job type. Raster (engraving), or Vector (cutting), or combined

Step 4 — Printer Properties

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- If you are rastering your job, you will need to adjust the speed and power setting according to the chart. You should also adjust the image dithering to **Jarvis** or **Stucki** for best results.
- When cutting material you will need to adjust the speed, power and frequency according to the materials chart.
- Be sure to change the size to 32" horizontal and 20" vertical to match the cutting bed size of the Epilog.

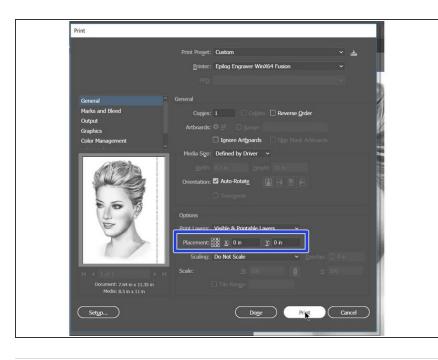
Step 5 — Speed and Power Settings

Material	DPI/Freq.	75 watt	Material	DPI/Freq.	75 watt		
Acrylic			Marble				
Photo Engraving	300 DPI	90s 40p	Photo Engraving	300 DPI	90s 35p		
Text/Clipart Engraving	300 DPI	90s 60p	Text Engraving	600 DPI	90s 45p		
Text/Clipart Engraving	600 DPI	90s 55p	Painted Brass				
Cutting 1/8" (3 mm)	100 f	10s 100p	Engraving	300 DPI	90s 25p		
Cutting 1/4" (6 mm)	100 1	3s 100p	Engraving	600 DPI	90s 15p		
Cutting 3/8" (9.5 mm)	100 f	1s 100p	Plastics				
Cutting 1/2" (13 mm)	100 f		Engraving	300 DPI	90s 20p		
Alumamark			Plastic (2 Layer Laser Engra	Plastic (2 Layer Laser Engraveable)			
Engraving	300 DPI	90s 20p	Engraving	300 DPI	90s 40p		
Engraving	600 DPI	90s 10p	Engraving	600 DPI	90s 25p		
Anodized Aluminum			Cutting 1/16" (1.5 mm)	100 f	10s 40p		
Photos/Clipart	400 DPI	90s 35p	Rubber Stamps				
Photos/Clipart	600 DPI	90s 30p	Engraving	600 DPI	60s 100p		
Text	600 DPI	90s 40p	Cutting	100 f	25s 100p		
Cork		-	Stainless Steel w/Cermark				
Engraving	300 DPI	90s 30p	Engraving	600 DPI	45s 100p		
Fleece			Twill				
Engraving	150 DPI	90s 15p	Cutting	251	90s 80p		
Glass			Wood				
Engraving	300 DPI	35s 100p	Photo Engraving	600 DPI	70s 100p		
Leather			Clipart/Text Engraving	300 DPI	60s 100p		
Photo Engraving	300 DPI	90s 20p	Clipart/Text Engraving	600 DPI	65s 100p		
Text/Clipart Engraving	600 DPI	90s 25p	Deep Engraving	600 DPI	30s 100p		
Cutting 1/8" (3 mm)	50 f	30s 100p	Thin Veneer (Cutting)	101	50s 80p		
Mat Board			Cutting 1/8" (3 mm)	101	20s 100p		
Cutting	50 f	30s 40p	Cutting 1/4" (6 mm)	10 f	5s 100p		
			Cutting 3/8" (9.5 mm)	101	1s 100p		

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- This chart should be used as a reference for speed and power for each material approved for use on the Epilog. Only materials on this chart can be used on the Epilog.
 - *(i)* For reference this chart can be found on page 197,198 in the Epilog manual. <u>https://www.epiloglaser.com/assets/downl...</u>
 - There is a hard plastic copy of the recommended materials list with settings on the Epilog.
- (i) Sometimes you will have to fiddle with the exact speed and power settings to get ideal results
- Click the **OK** button when all your setting are finalized

Step 6 — Placement of Print



- Check that the X=0 and Y=0 placement. You can also click the top left corner of the little hashtag pattern #.
 - This will allow us to line up the top left corner of the file with the corner of the material