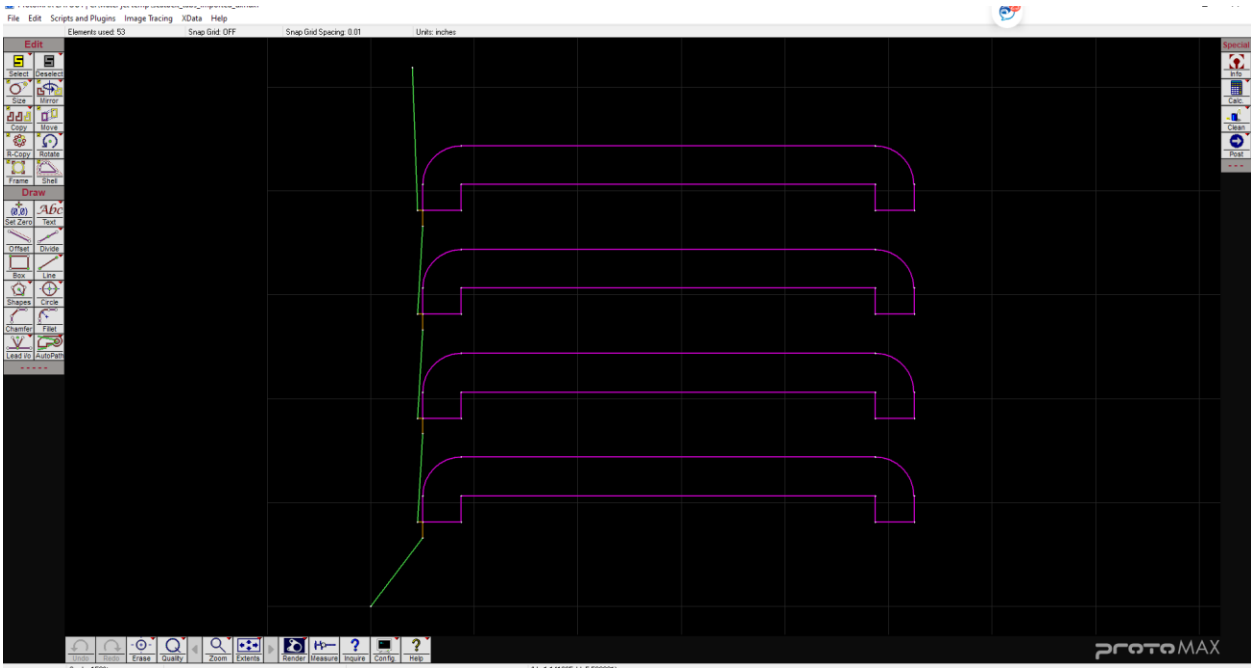
Creating Waterjet Files:

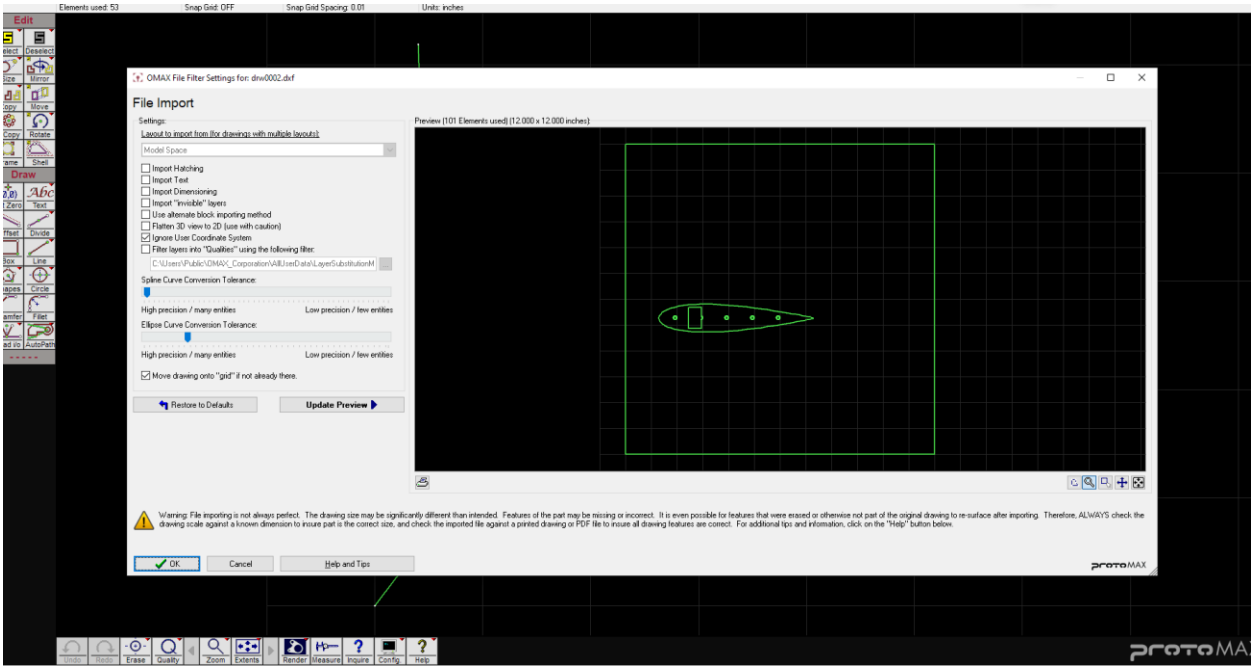
Step 2- Layout:

1) Launch Layout.



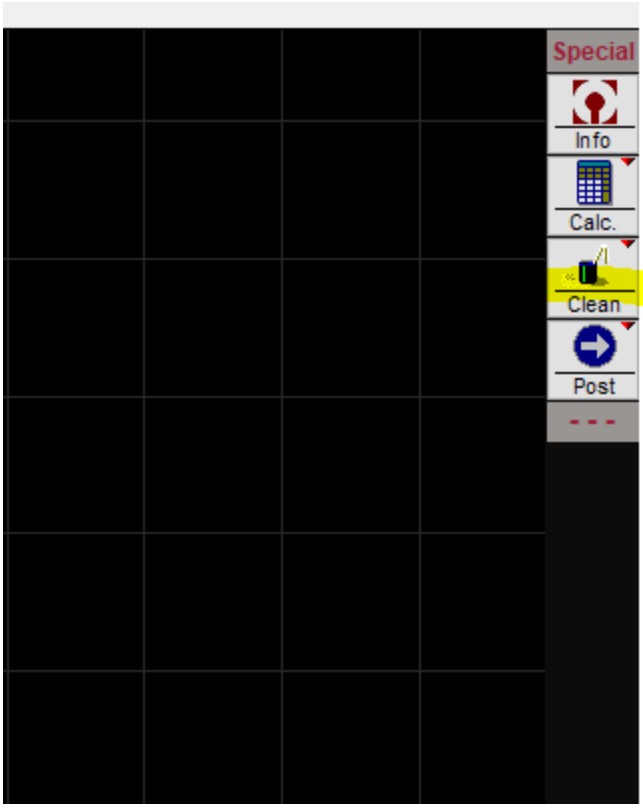
There will be a file already up when you open. That is the previous file used.

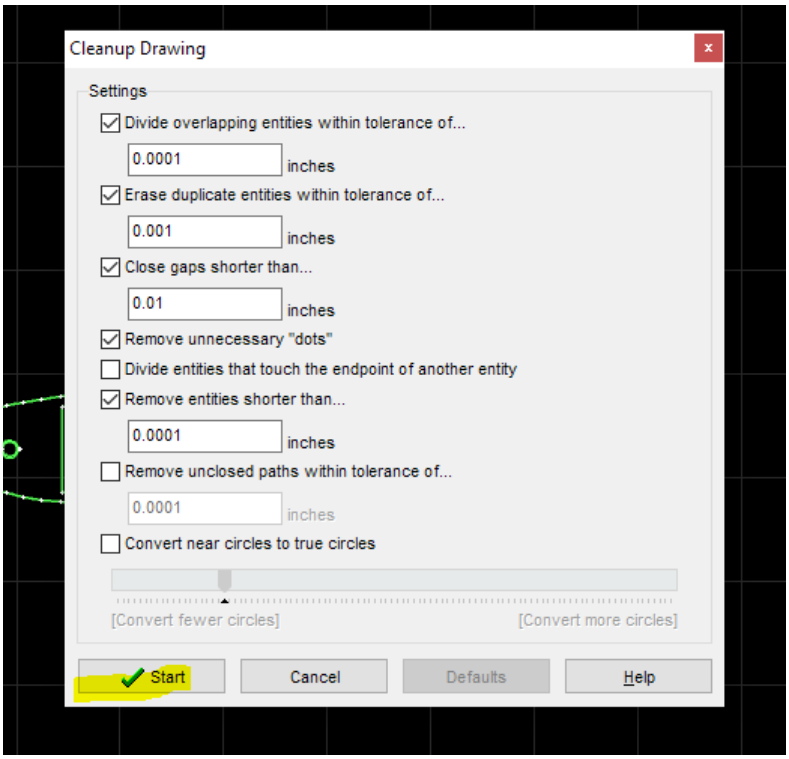
2) Pick the File Icon and pick “Import from other CAD” Not Open.
3) Find your file. It may be shown as a pdf for some reason my computer does this.



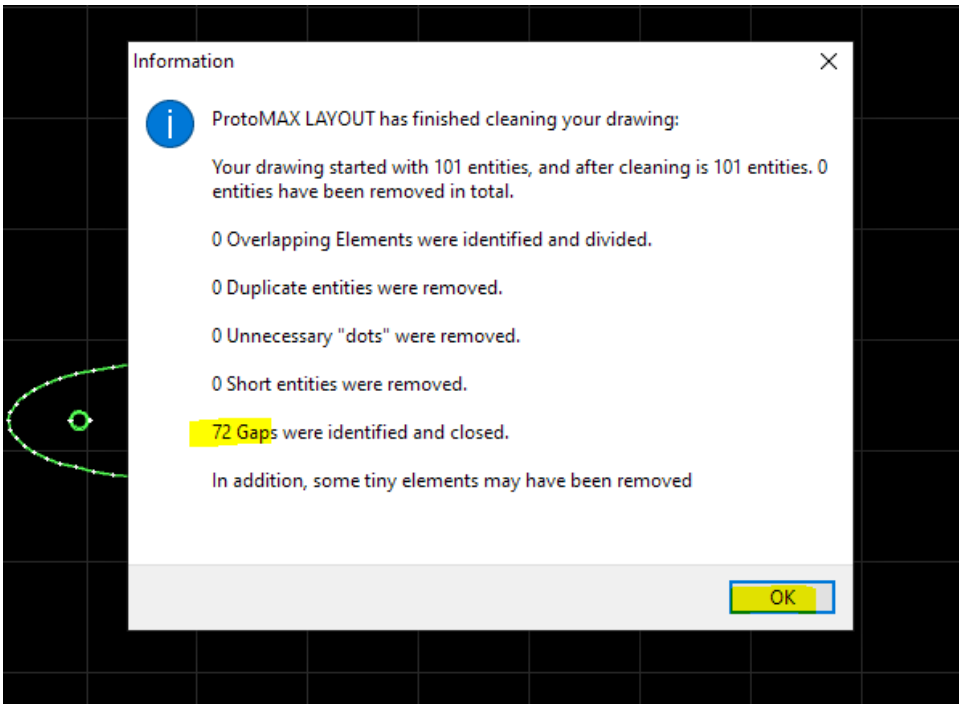
4) If it looks right pick OK. You may need to select and delete some lines or features. Play with the menus. Many on the lists have pull out menus.

5) Next pick the Clean icon. This will seal most gaps if any in your sketch.



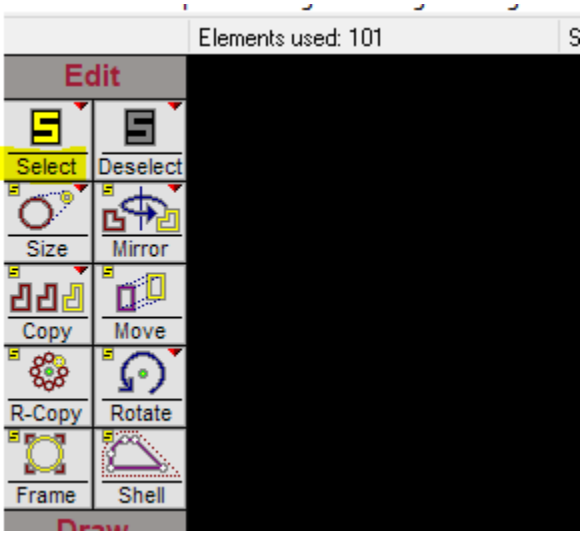


You can see that this part had 72 gaps closed.



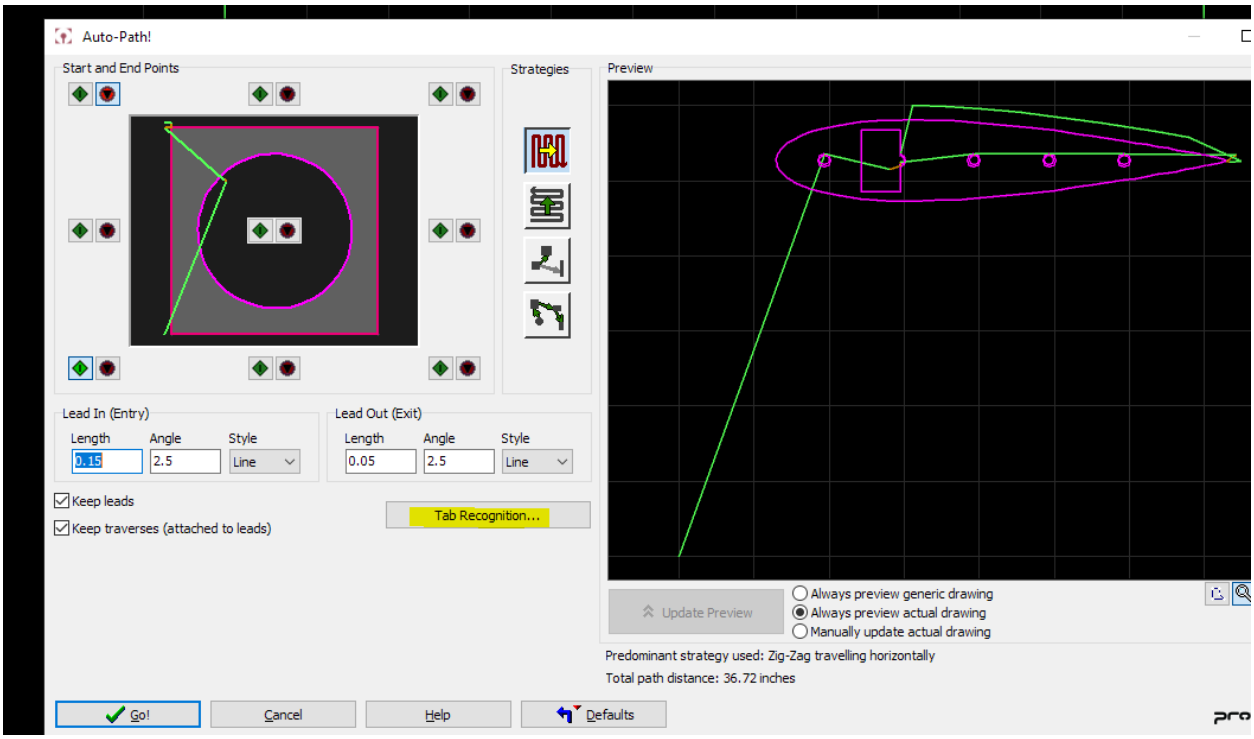
The next few steps are the hardest. In some cases, the nozzle cuts on the wrong side of the material. You need to examine all edges carefully and fix any issues.

6) We now need to set the quality of the cutline and what features to cut. Do this by selecting using window select encasing your entire part, not the drawing border. Right mouse to choose window.

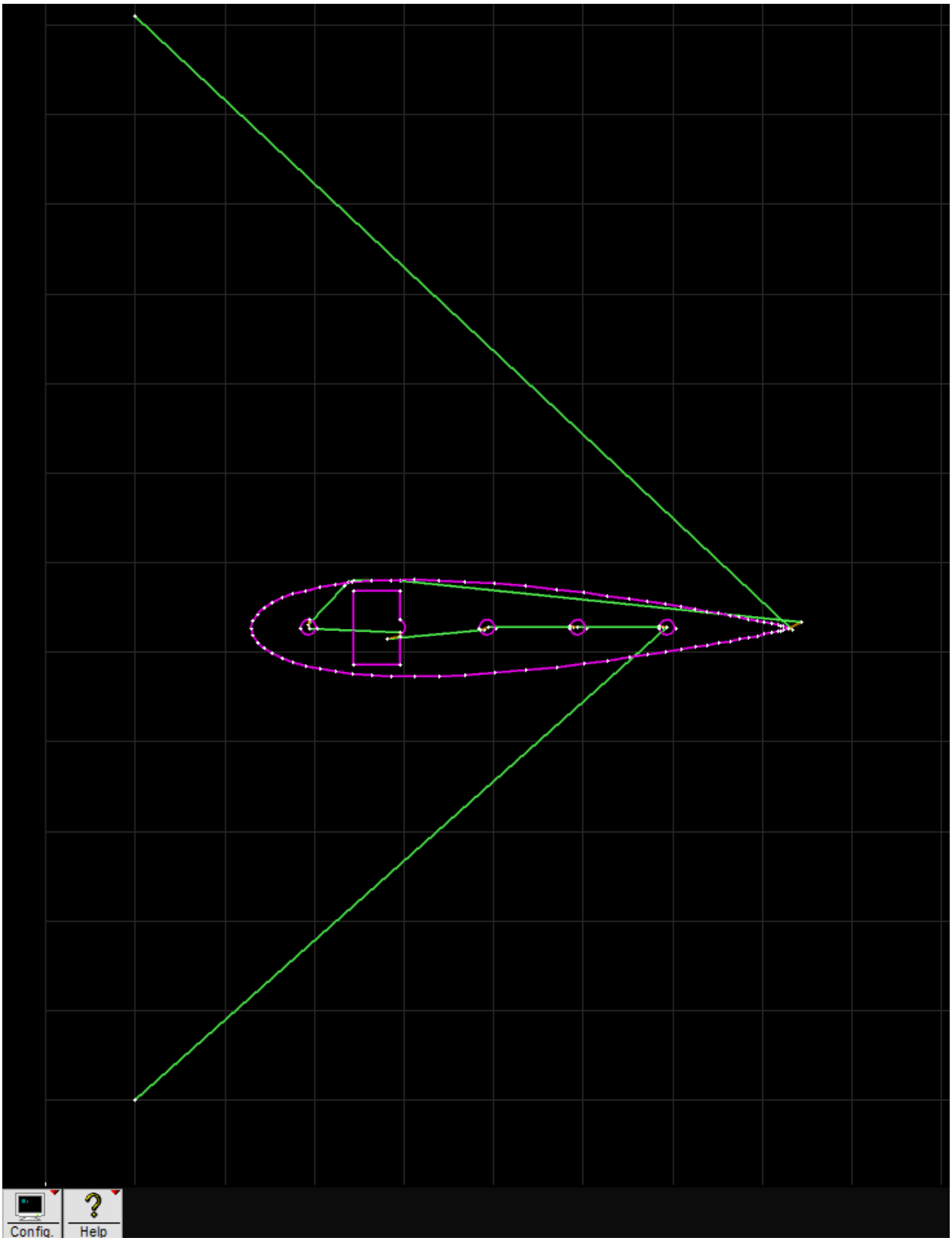


7) After selecting, right mouse on “Quality” and choose “Selected”. The selected features will now be Purple. This is what will be cut.

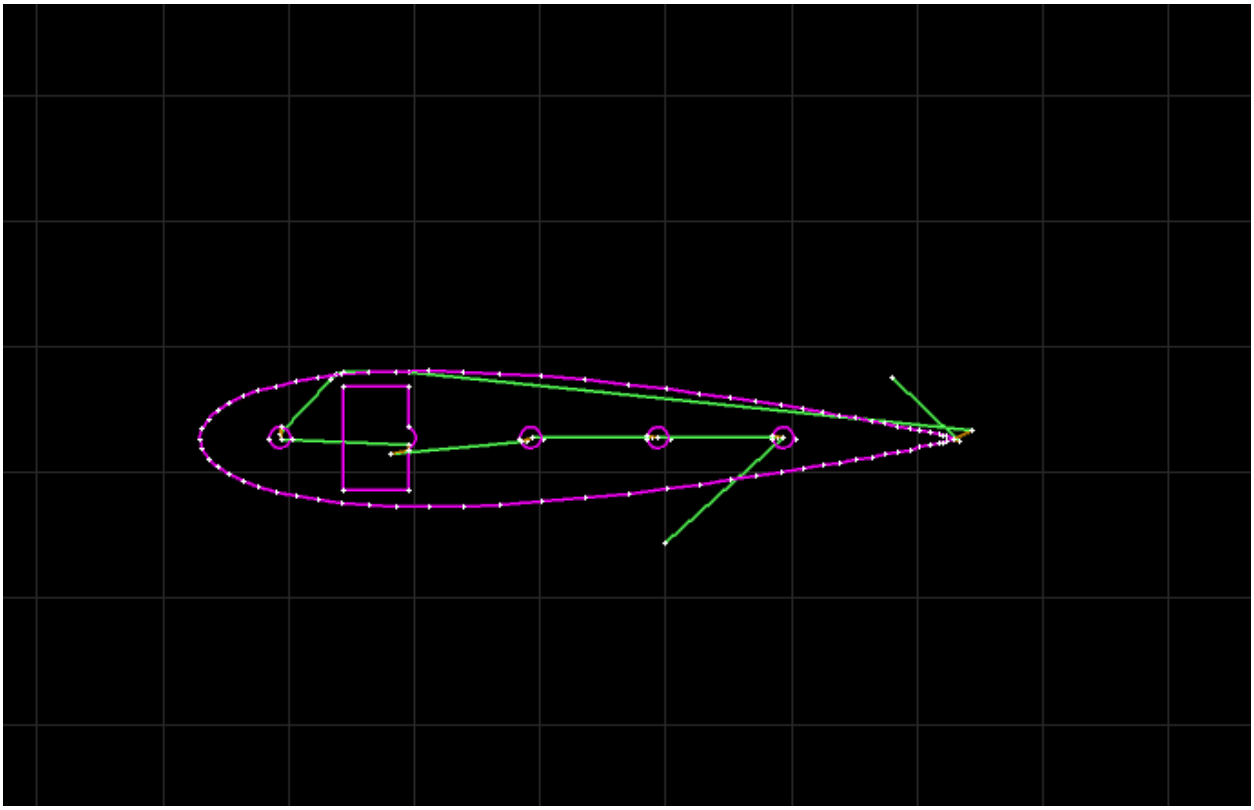
8) Next right mouse pick on Auto Path, pick Auto Path (Advance and Configure). There are times that you might need to have tabs included in your part to hold the part in the material. Using the auto pull out shows Tab Recognition.



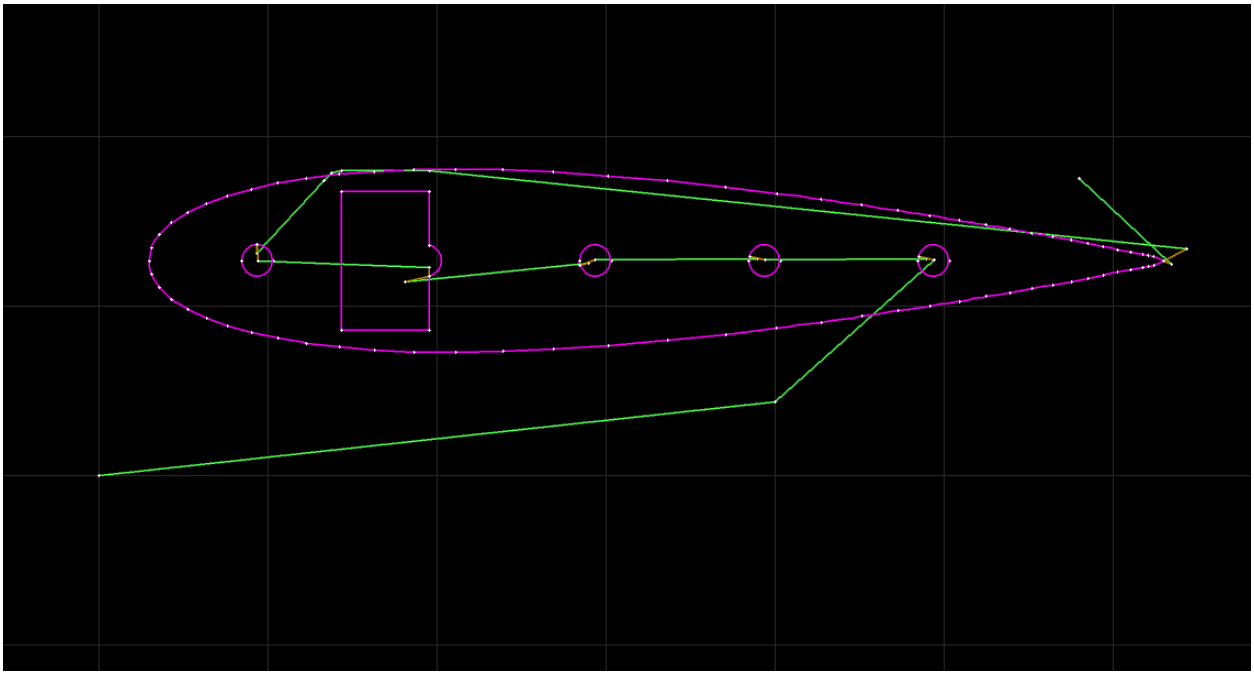
Pick Go. The purple as stated are cut lines and the green are rapid movement with no cutting yellow are the lead ins, they are cutting.


Config.
Help

This model looks OK but many times the cut needs to be changed. Also the lead in and out are very long. These can be shortened by using divide, Select, Delete.

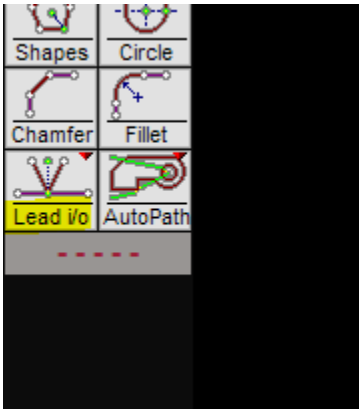


9) You can add lines to the start if needed to give a know start point. (I like having my start point at a known spot on my machine. The grid is 1” squares so you can use that to help.



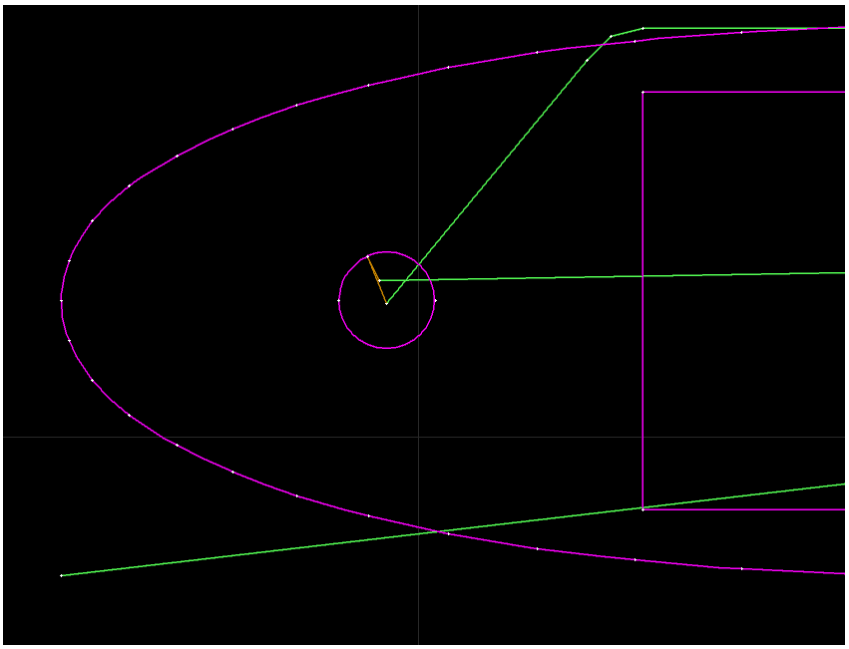
10) Before we move on I want to show how to flip the cut lines. You might need this if for instance a hole was being cut on the outside of the sketch instead of from the inside.

11) Right mouse click on Lead icon.

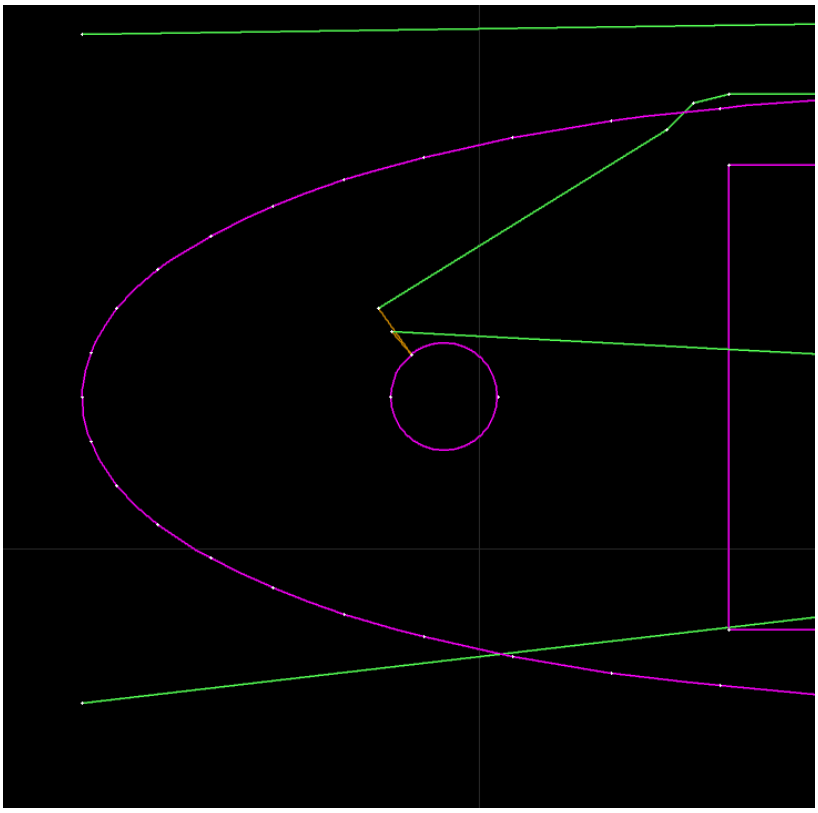


Pick Move Existing Lead.

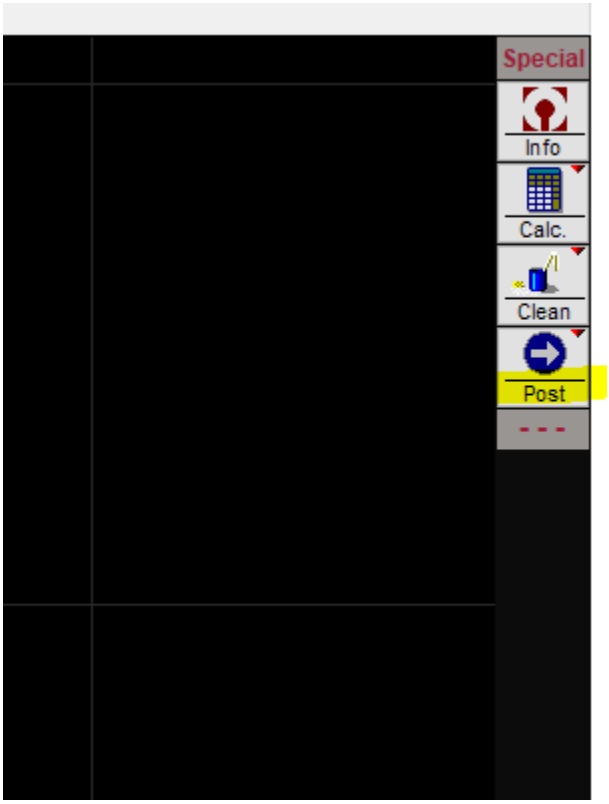
Example:



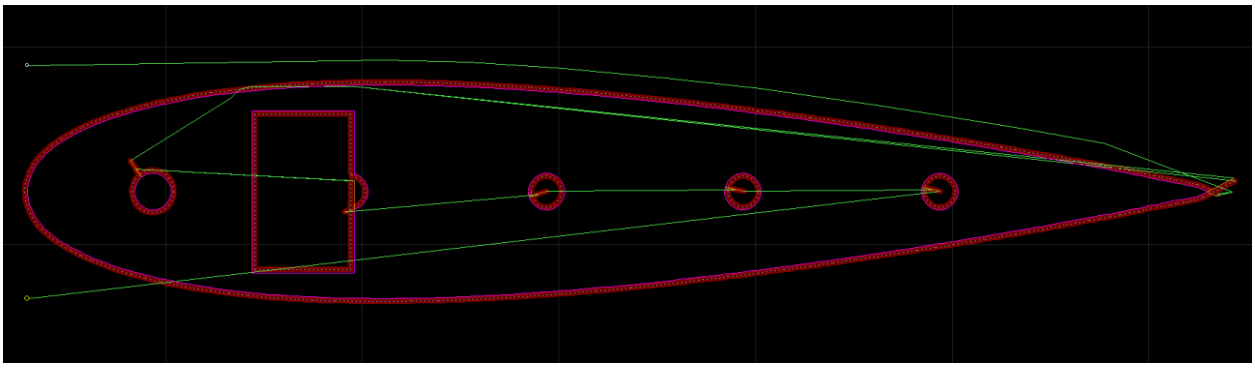
Drag lead to opposite side of hole or feature.



12) After you are happy with all cuts, pick the “Post” icon in the right top of screen.



13) Pick start point.



14) Examine all features to make sure it is what you want.
15) SAVE!!!