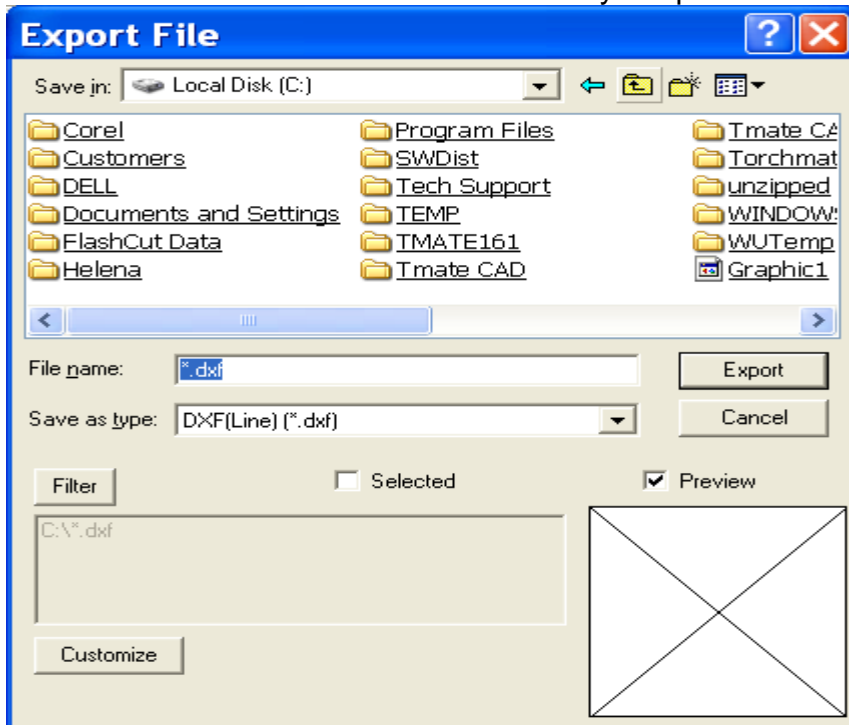
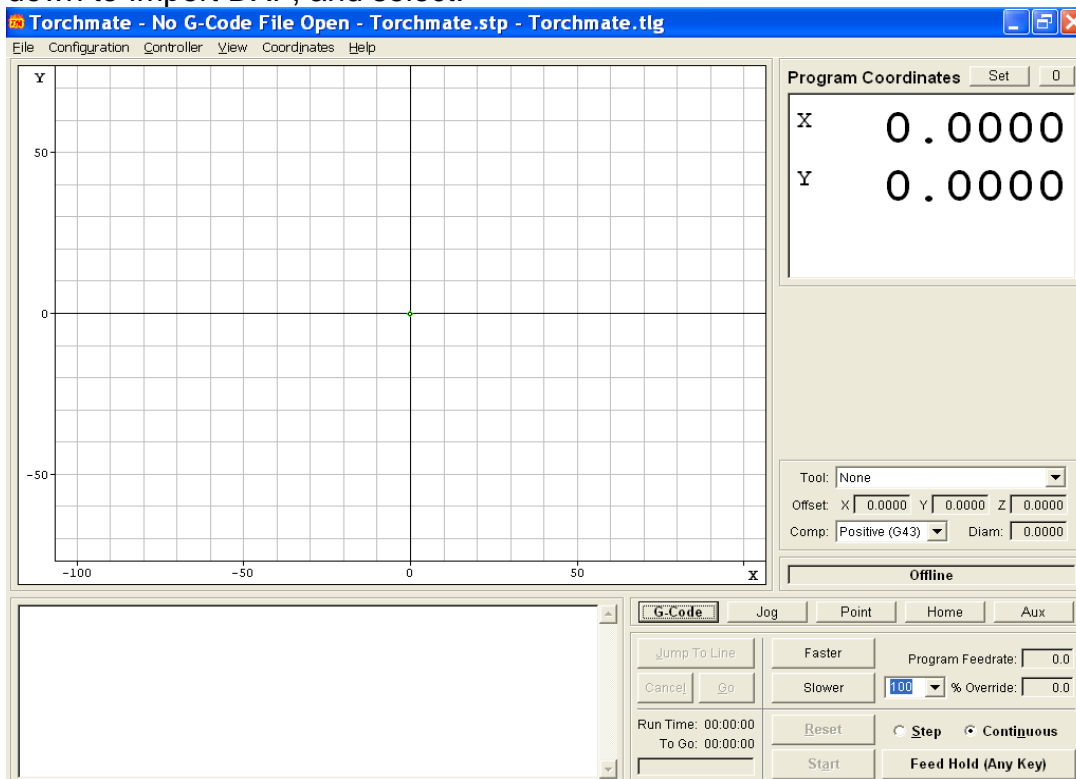


Exporting & Importing to the Torchmate Driver Software

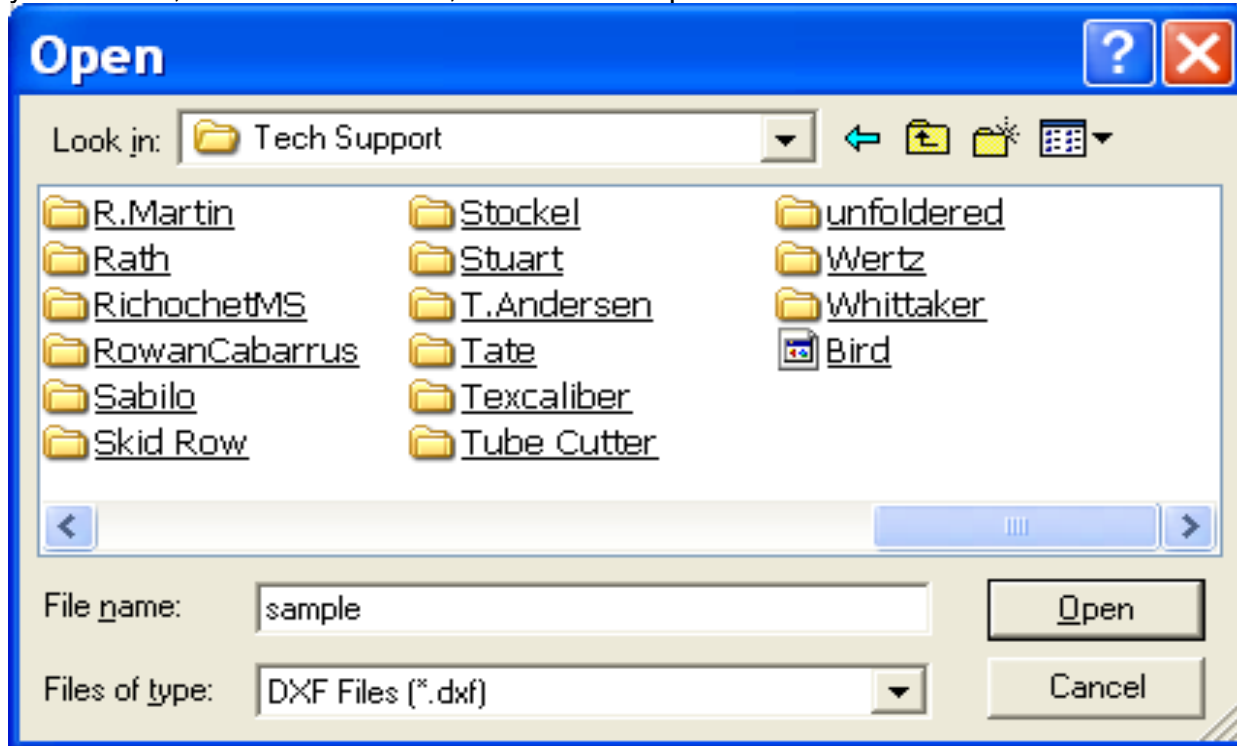
Now you are ready to export your image. Click on the File menu, and scroll down and select Export. The Export window appears, see below. To export your file, find the folder you want to export the image to, and put it in the "Save In" area. For File name, choose a name you will easily remember. For Save as type, select "DXF (Line) dxf". All other items should remain as they are, now click Export. The file has now been saved in the folder you specified.



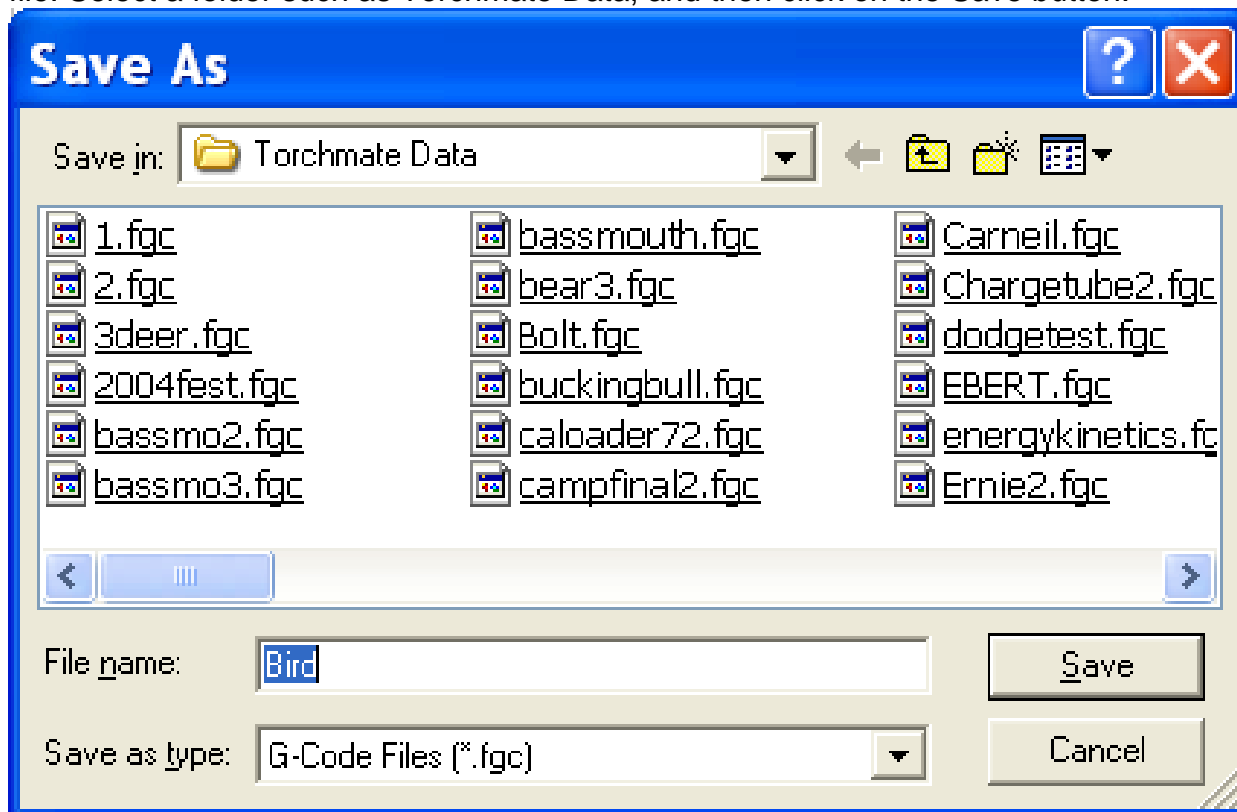
Minimize your Torchmate CAD, and then select the Torchmate driver software icon on your desktop to open the program. Start OFFLINE for this exercise. The main window should look close to the image below. To Import a DXF file to the Torchmate driver software, click on the File menu, scroll down to Import DXF, and select.



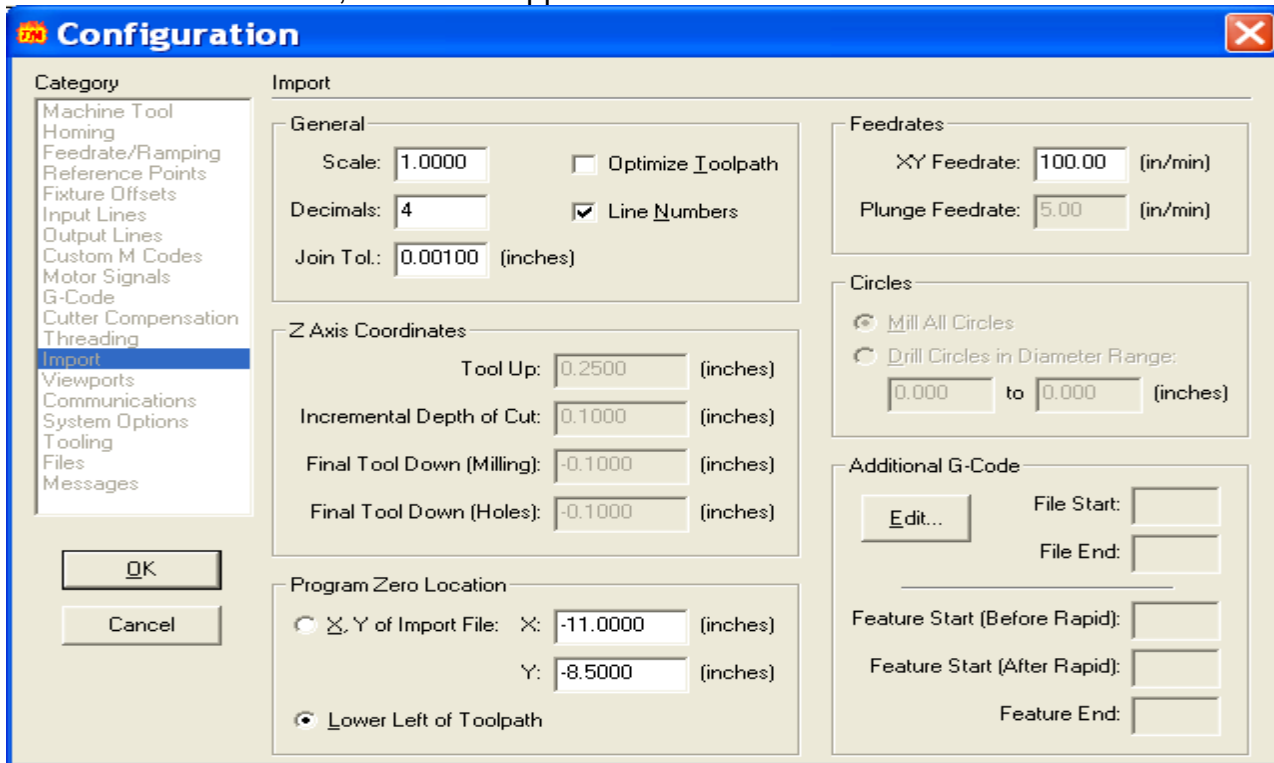
The Open window should appear. Scroll through your folders to locate the exact folder containing your dxf file, then select the file, and click on Open.



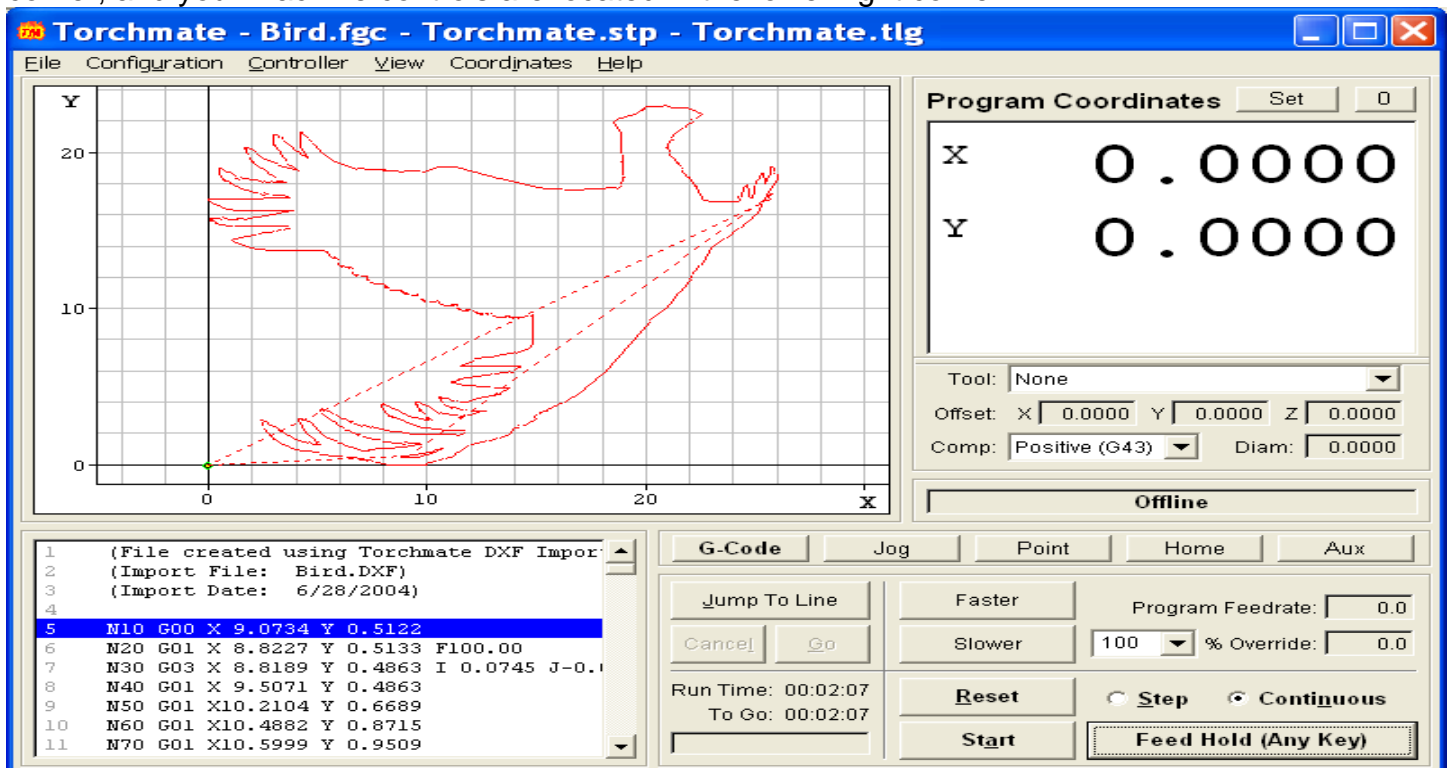
The Save As window opens, which asks you where you want to save the converted G code or FGC file. Select a folder such as Torchmate Data, and then click on the Save button.



The Import DXF file appears. This window should look as it appears below. Under the General area, scale should be at 1.0000, Decimals at 4, Join Tolerance at 0.00100, Optimize Path is unchecked, and Line numbers checked. For Feedrates, you may specify the federate at which you want to cut out your image in inches per minute. For the Program Zero Location, we recommend that you utilize Lower Left of Tool Path, call Tech support for more information. Click OK.



The main window should now display your image in RED. The G-code associated with your image is located in the lower left corner of this window, your program coordinates are listed in the upper right corner, and your machine controls are located in the lower right corner.



With your Controller Offline, select Continuous in the lower left corner, then select Start. The program will now read through the G code and a BLUE line will follow the torch head as it simulates the cutting process.

Torchmate - Bird.fgc - Torchmate.stp - Torchmate.tlg

File Configuration Controller View Coordinates Help

Program Coordinates Set 0

X 1.8674
Y 18.1890

Tool: None
Offset: X 0.0000 Y 0.0000 Z 0.0000
Comp: Positive (G43) Diam: 0.0000

Offline

G-Code Jog Point Home Aux

Jump To Line Faster Program Feedrate: 100.0
Cancel Go Slower 100 % Override: 100.0

Run Time: 00:02:07 To Go: 00:00:40

Reset Step Continuous

Start Feed Hold (Any Key)

```

622 N6180 G01 X 0.6510 Y18.9102
623 N6190 G01 X 0.6750 Y18.8839
624 N6200 G01 X 0.7070 Y18.8509
625 N6210 G01 X 0.7530 Y18.8069
626 N6220 G01 X 0.8335 Y18.7345
627 N6230 G01 X 0.9620 Y18.6228
628 N6240 G03 X 1.2668 Y18.3674 I 9.9265 J1.
629 N6250 G01 X 1.5085 Y18.2857
630 N6260 G03 X 1.6779 Y18.2300 I 0.7907 J.
631 N6270 G03 X 1.9362 Y18.1766 I 0.6611 J.
632 N6280 G03 X 2.2994 Y18.1237 I 2.3666 J1.
    
```

The blue line will continue until the entire image has been cut. This is a great way to double check your image's cut program, by allowing you to view the order of cuts, direction of cuts, and save valuable material until the program is as exact as you want it to be.

Torchmate - Bird.fgc - Torchmate.stp - Torchmate.tlg

File Configuration Controller View Coordinates Help

Program Coordinates Set 0

X 0.0000
Y 0.0000

Tool: None
Offset: X 0.0000 Y 0.0000 Z 0.0000
Comp: Positive (G43) Diam: 0.0000

Offline

G-Code Jog Point Home Aux

Jump To Line Faster Program Feedrate: 100.0
Cancel Go Slower 100 % Override: 100.0

Run Time: 00:02:07 To Go: 00:00:00

Reset Step Continuous

Start Feed Hold (Any Key)

```

868 N8640 G01 X25.8063 Y19.0390
869 N8650 G01 X25.8210 Y19.0134
870 N8660 G01 X25.8384 Y18.9795
871 N8670 G01 X25.8625 Y18.9281
872 N8680 G01 X25.8965 Y18.8500
873 N8690 G01 X25.9389 Y18.7477
874 N8700 G02 X26.0136 Y18.5530 I-4.4771 J-.
875 N8710 G01 X26.0136 Y18.2602
876 N8720 G01 X25.5620 Y17.2190
877 N8730 G01 X25.6737 Y16.9954
878 N8740 G00 X 0.0000 Y 0.0000
    
```