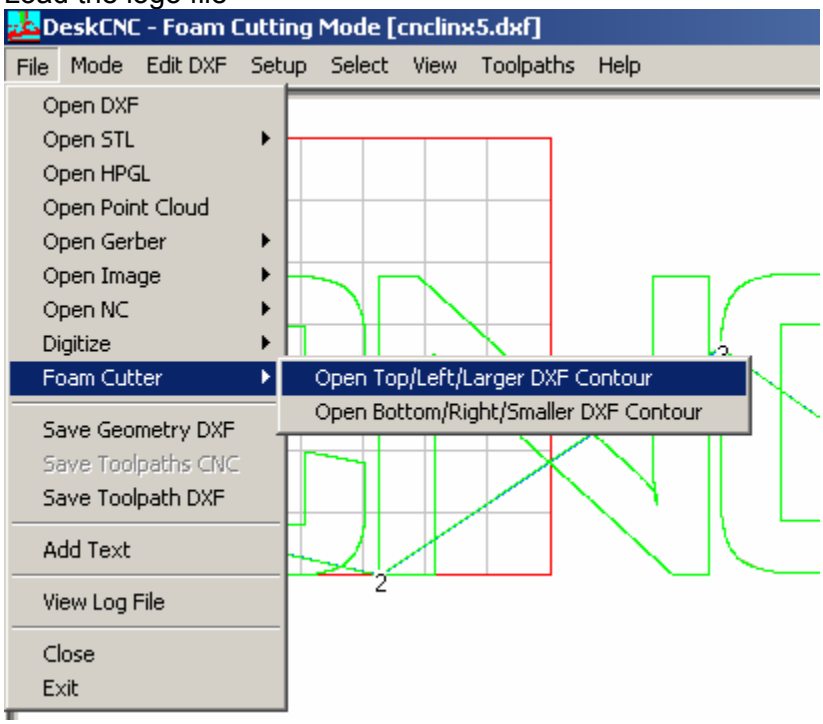
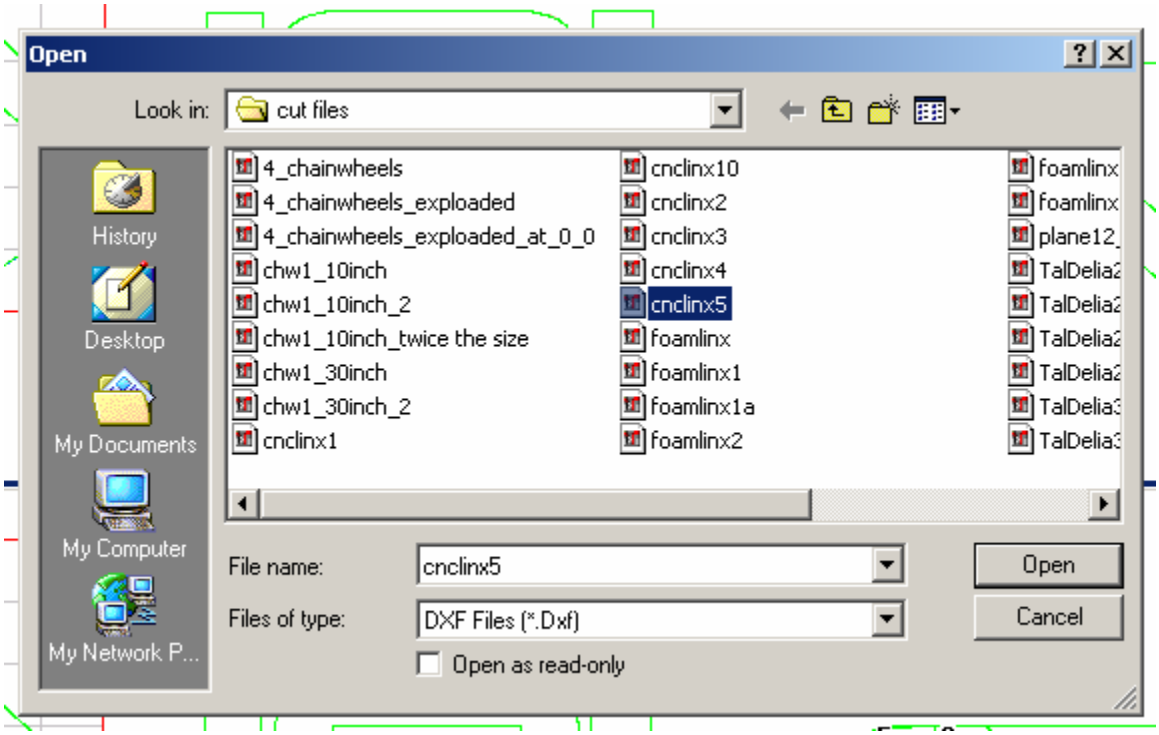
Text Logo sample cuts
This example will show how to cut a text image out of foam using DeskCNC software

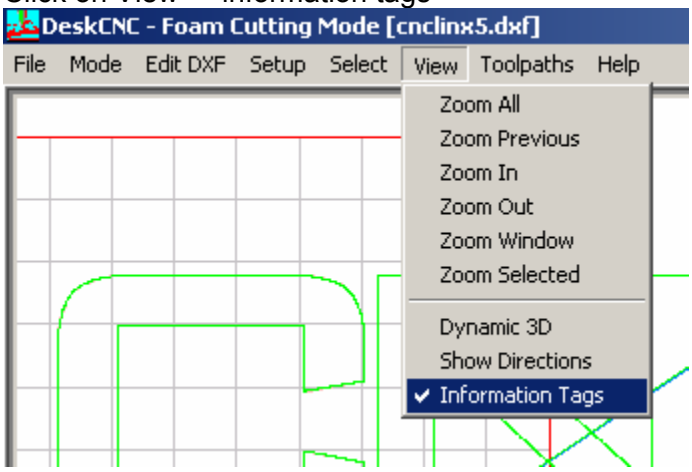
Load the logo file



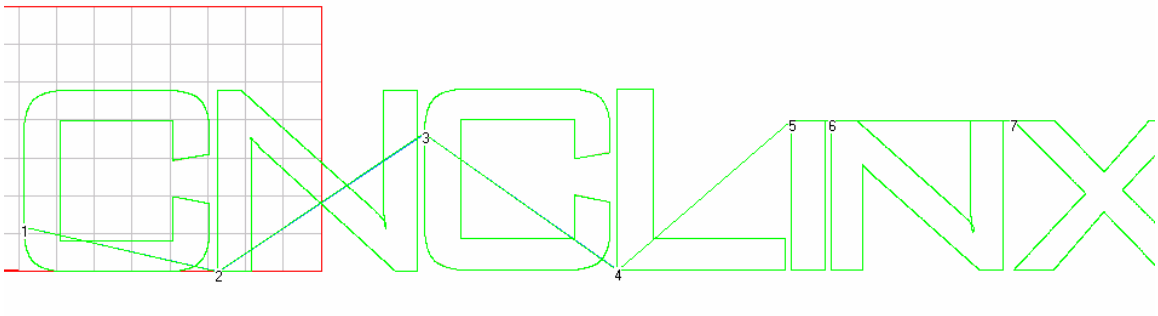
Choose the file cnclinx5.dxf



Click on View -> information tags

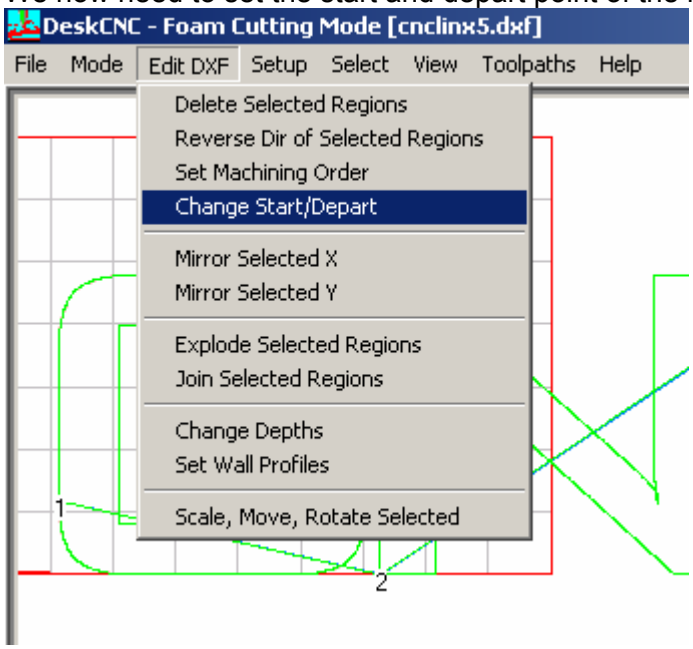


DeskCNC detected 7 shapes



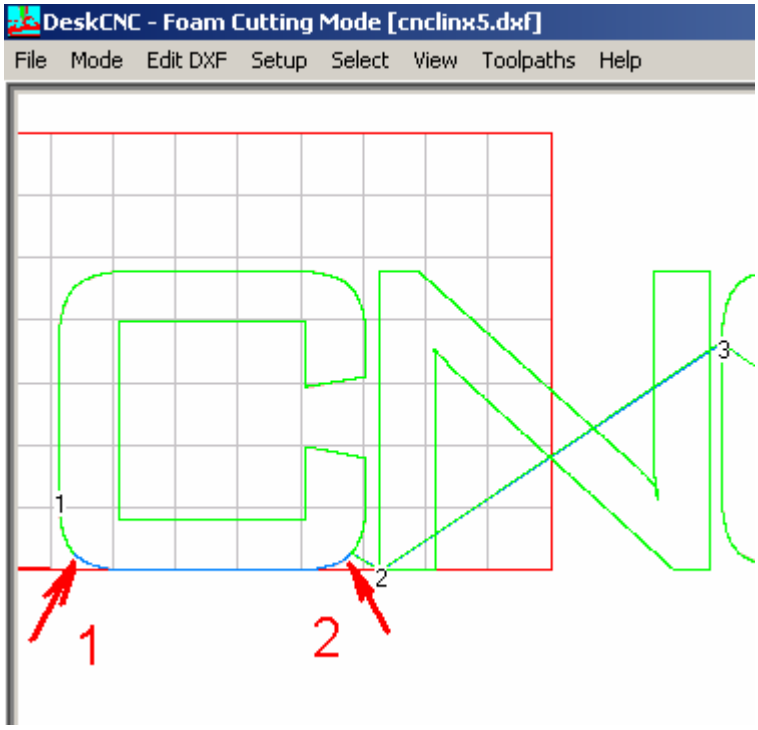
Each shape is numbered, beginning with 1 ending with the last shape detected numbered 7

We now need to set the start and depart point of the hot wire for each shape



Click on Edit DXF, then choose Change Start/Depart

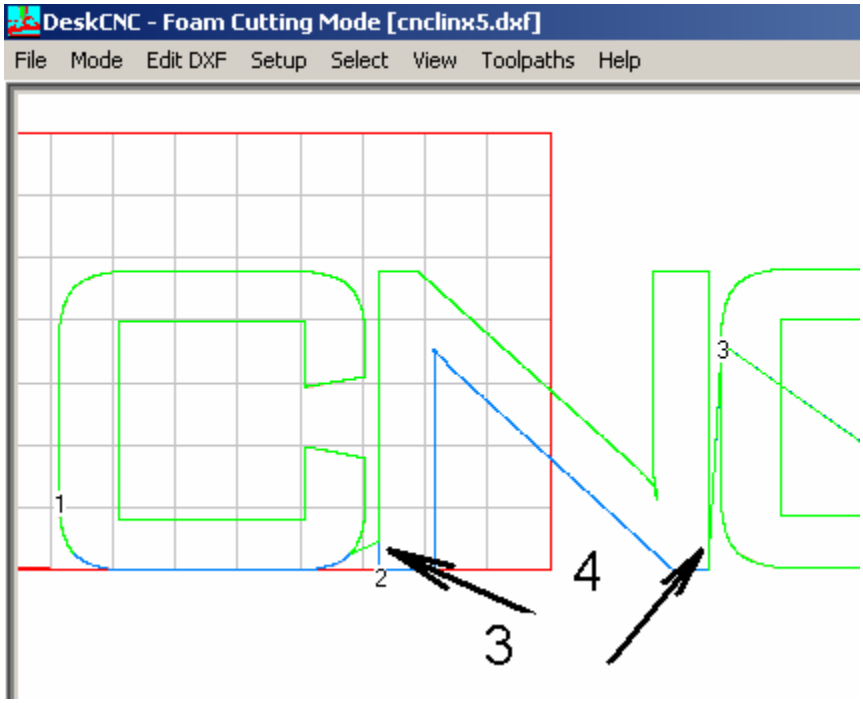
The goal in these steps is to help the software move from one shape to the other without going through any of the shapes



Left Mouse click where the number 1 red arrow – this will set the starting point for shape number 1

Then

Right mouse click on where the number 2 red arrow – this will set the depart point for shape number 1

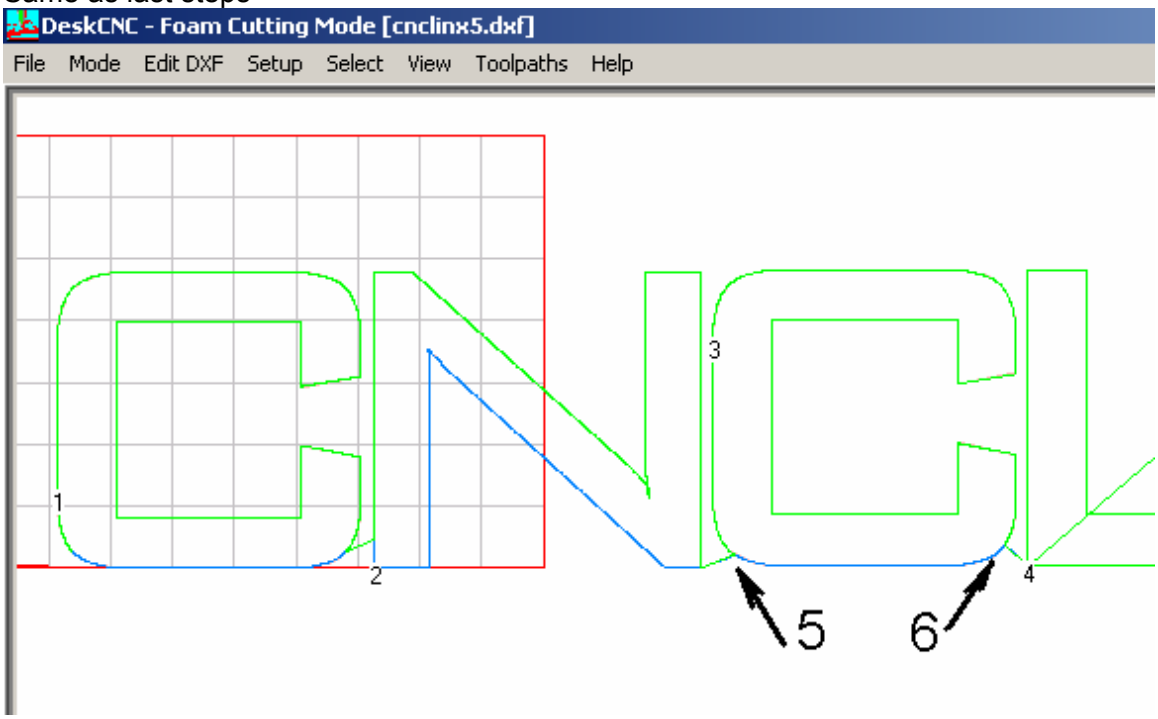


Left mouse click where the black arrow [3] is pointing,

Then

Right mouse click where black arrow [4] is pointing

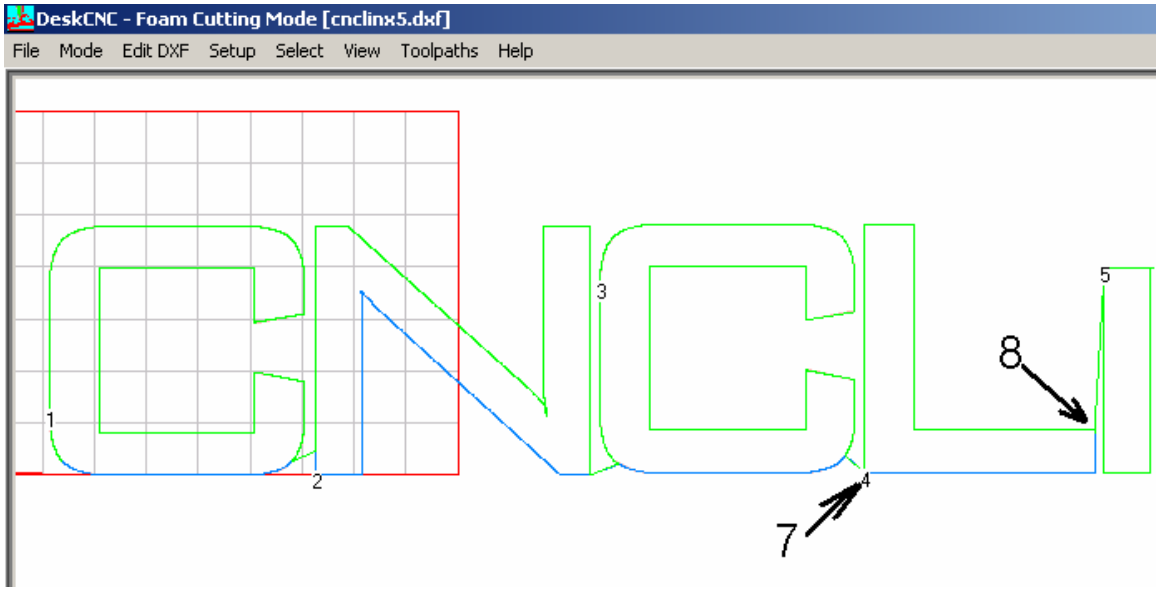
Same as last steps



Left mouse click on shape number 3 where arrow 5 is pointing – this will be the start point for shape number 3

Then

Right mouse click on shape number 3 where arrow number 6 is pointing – this will be the depart point of shape number 3

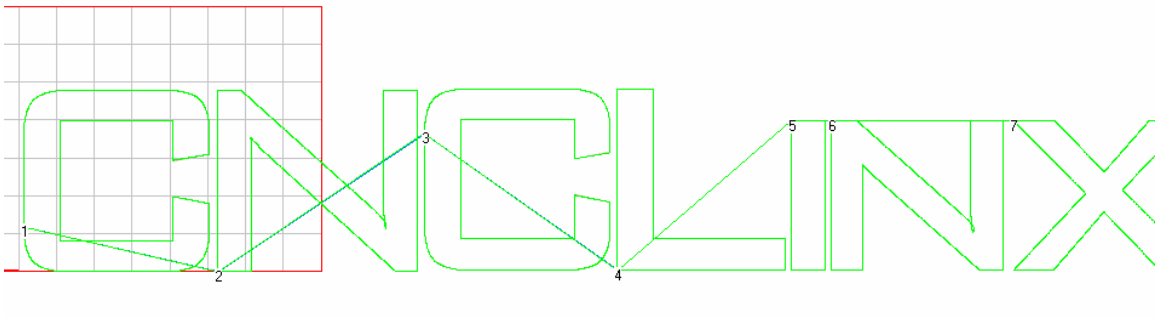


Left mouse click on shape number 4 where arrow number 7 is pointing

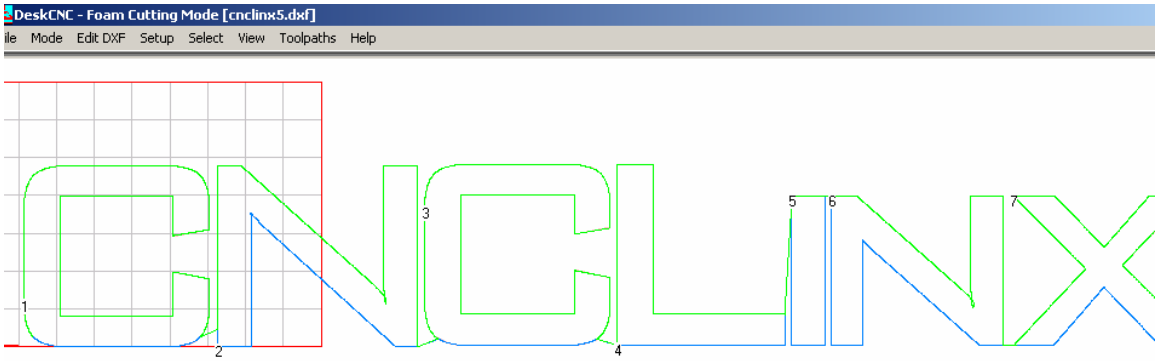
Right mouse click on shape number 4 where arrow number 8 is pointing

Continue these steps till you finish all shapes

Here is how the shape looked before this process



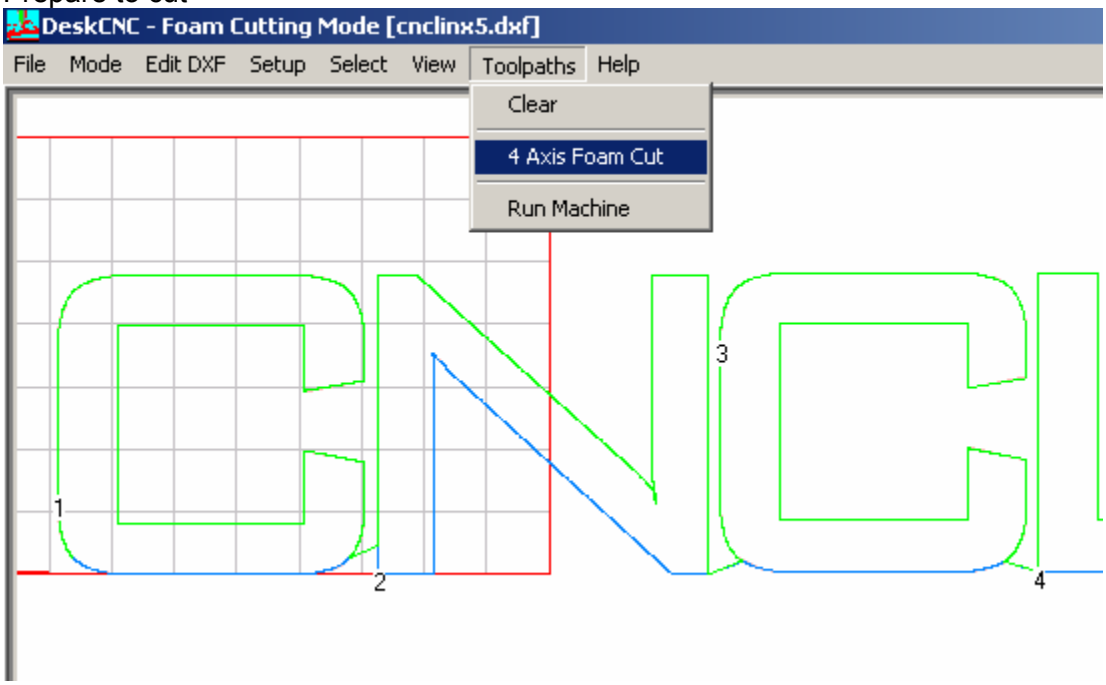
Here is how it should look when done



Notice in the upper screen shot, the lines connecting one shape to the other sometimes go through the shape itself, if you cut the foam with this default settings, the letters C, N C and L will be cut through the shape and ruining the letter.

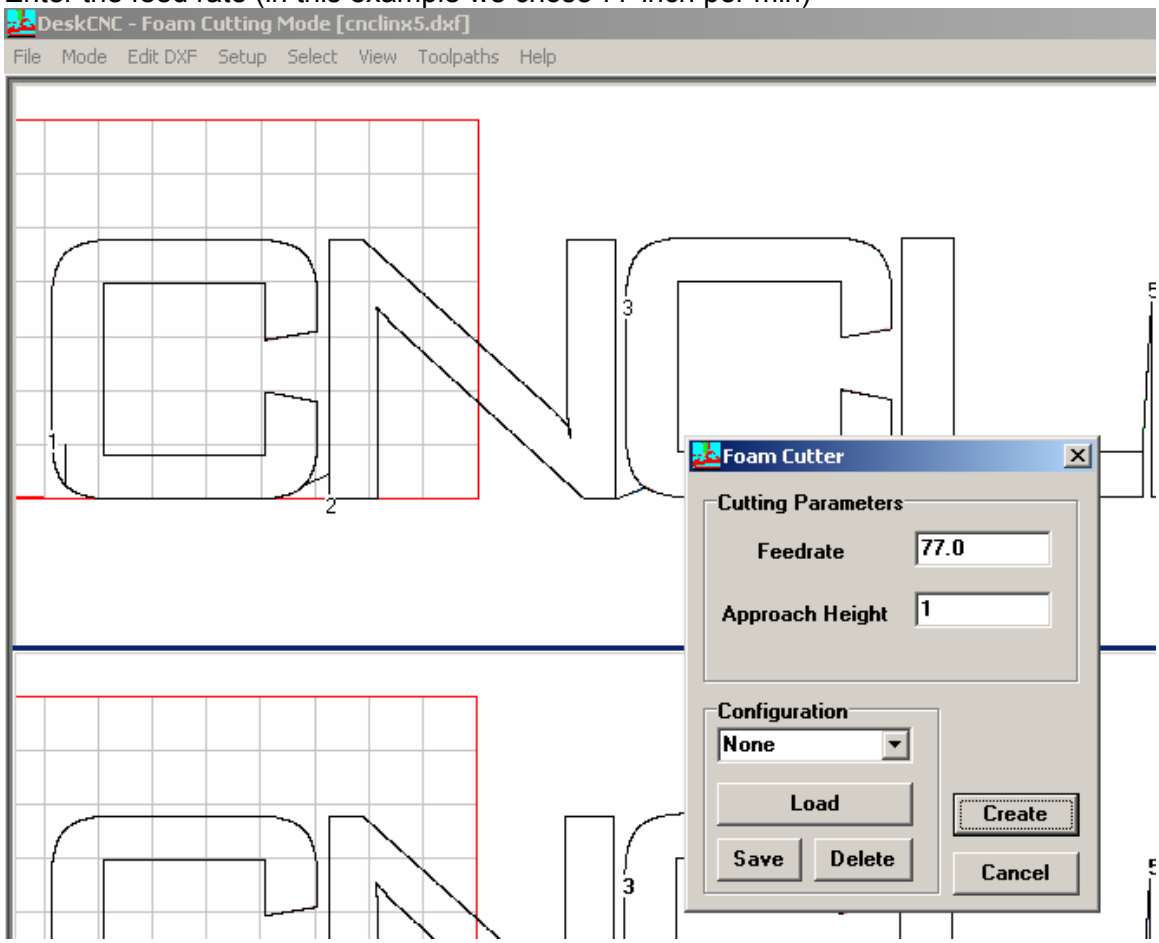
In the lower screen shot, the lines connecting one shape to the next do not go through any of the shapes.

Prepare to cut



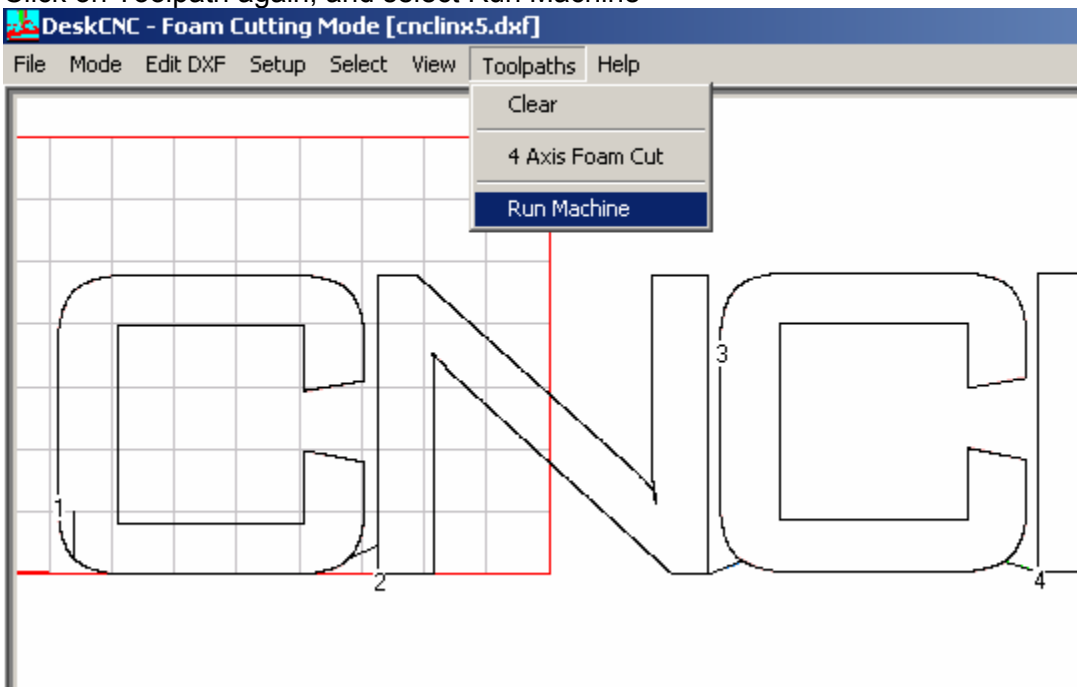
Click on the Toolpath menu and select 4 Axis Foam Cut

Enter the feed rate (in this example we chose 77 inch per min)

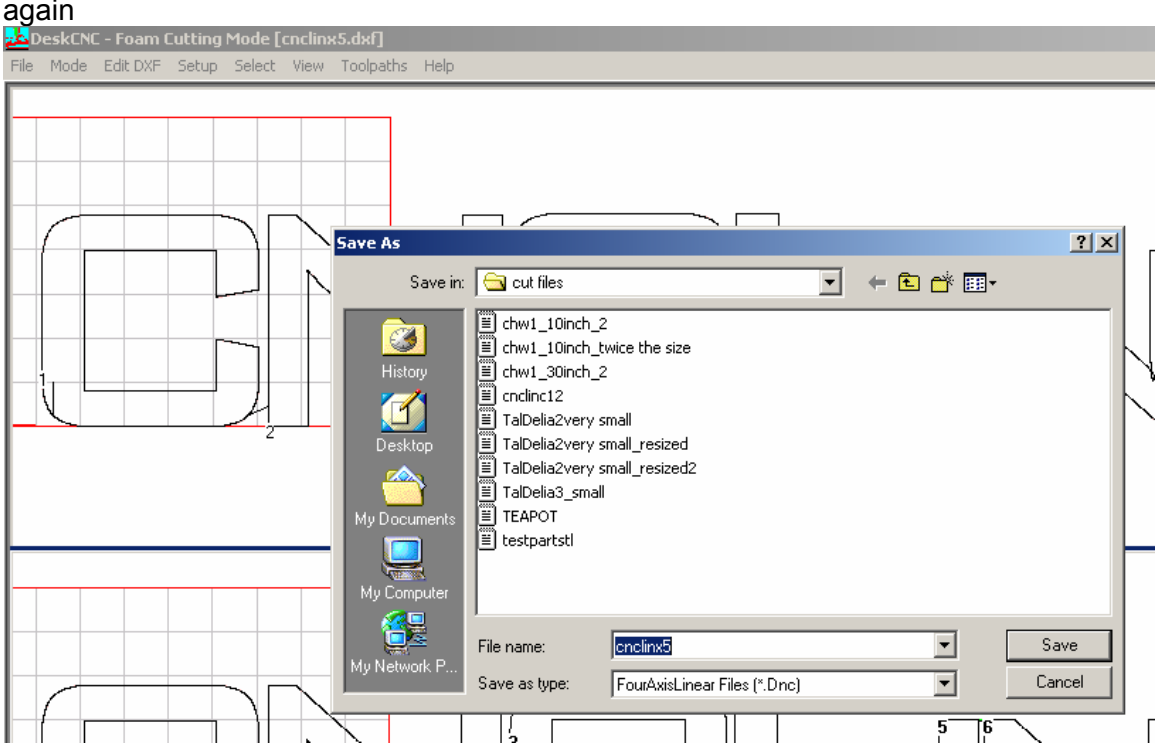


Click “Create”

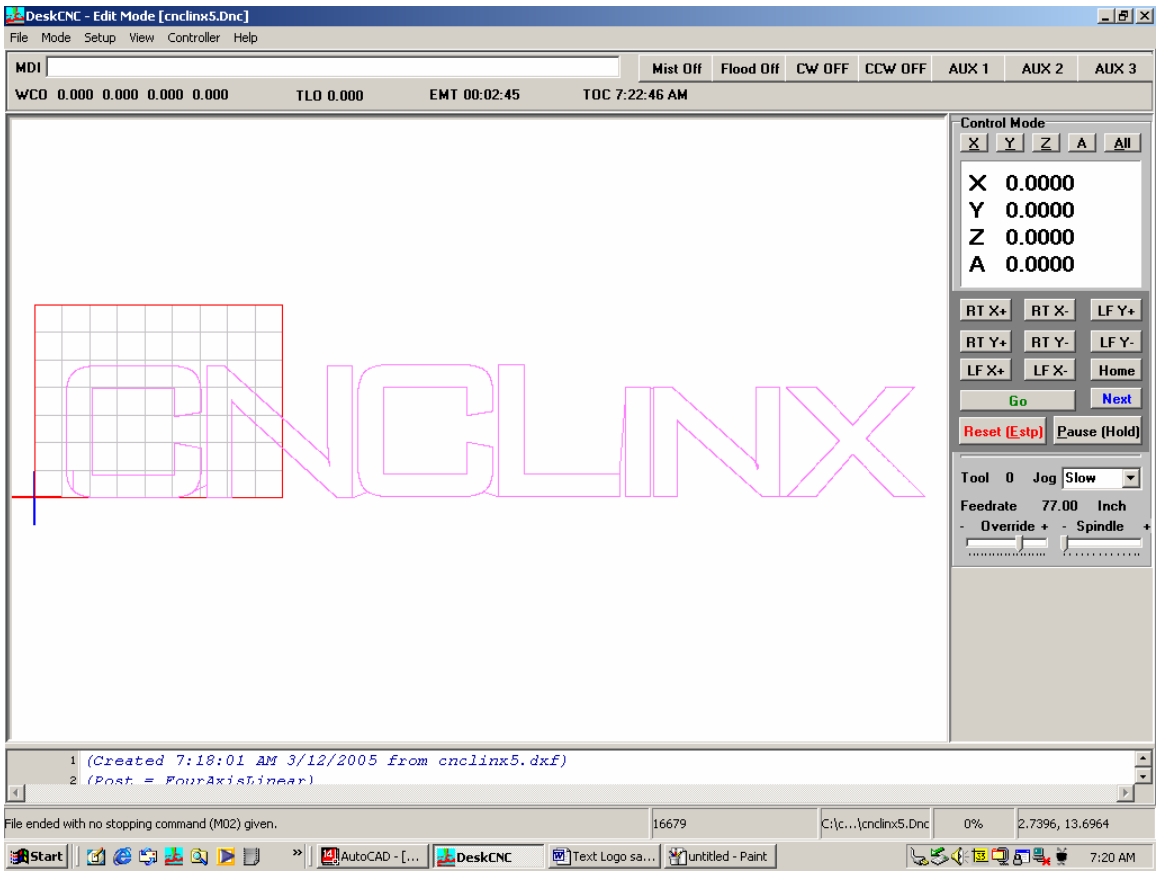
Click on Toolpath again, and select Run Machine



G code was generated for this cut project, so save it in case you need to cut this shape again



In this example the G code file is named cnclinx5.Dnc



Make sure that X, Y, Z and A are all 0
Make sure that the Reset (Estp) button is not pressed
And click on the Go button.
The machine should start cutting.