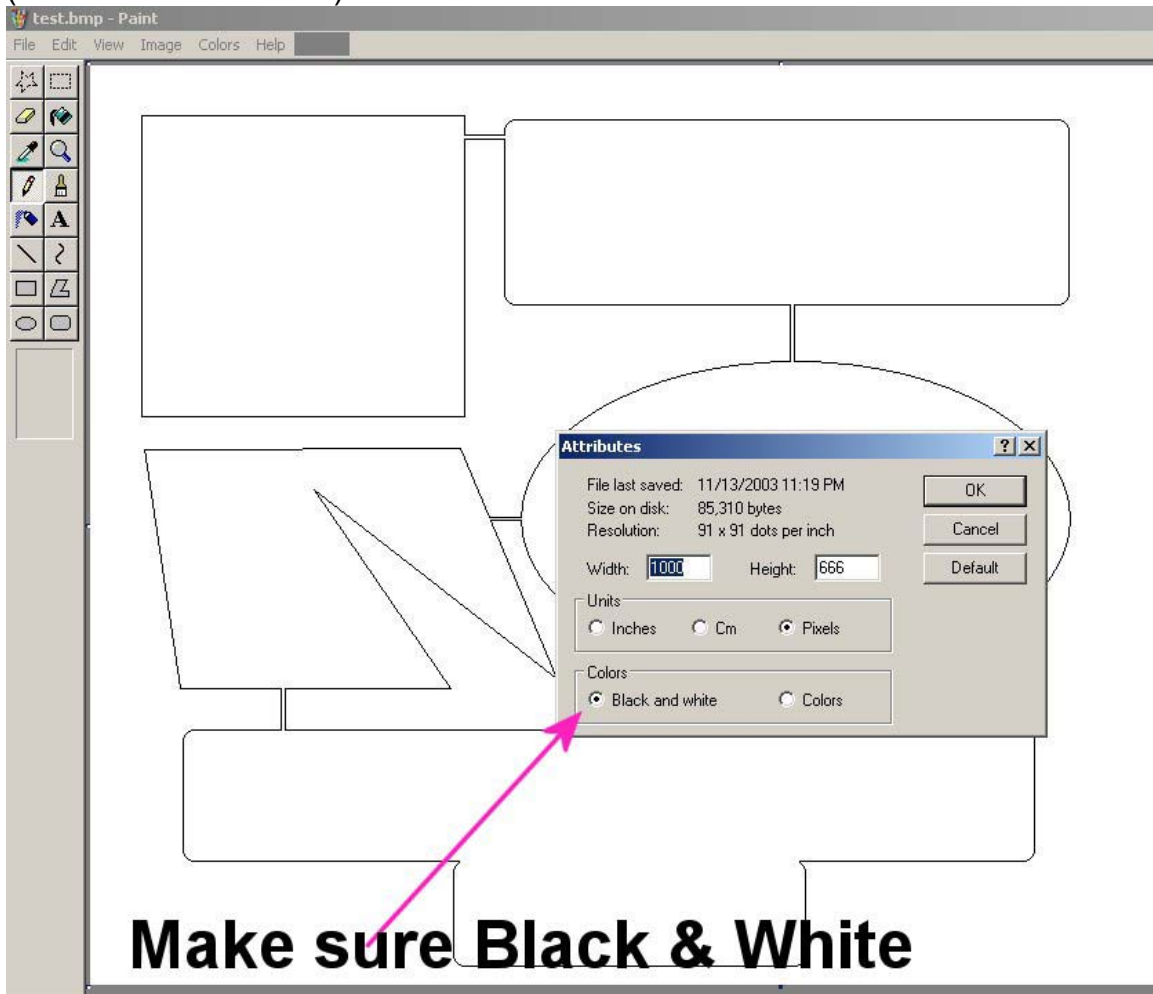


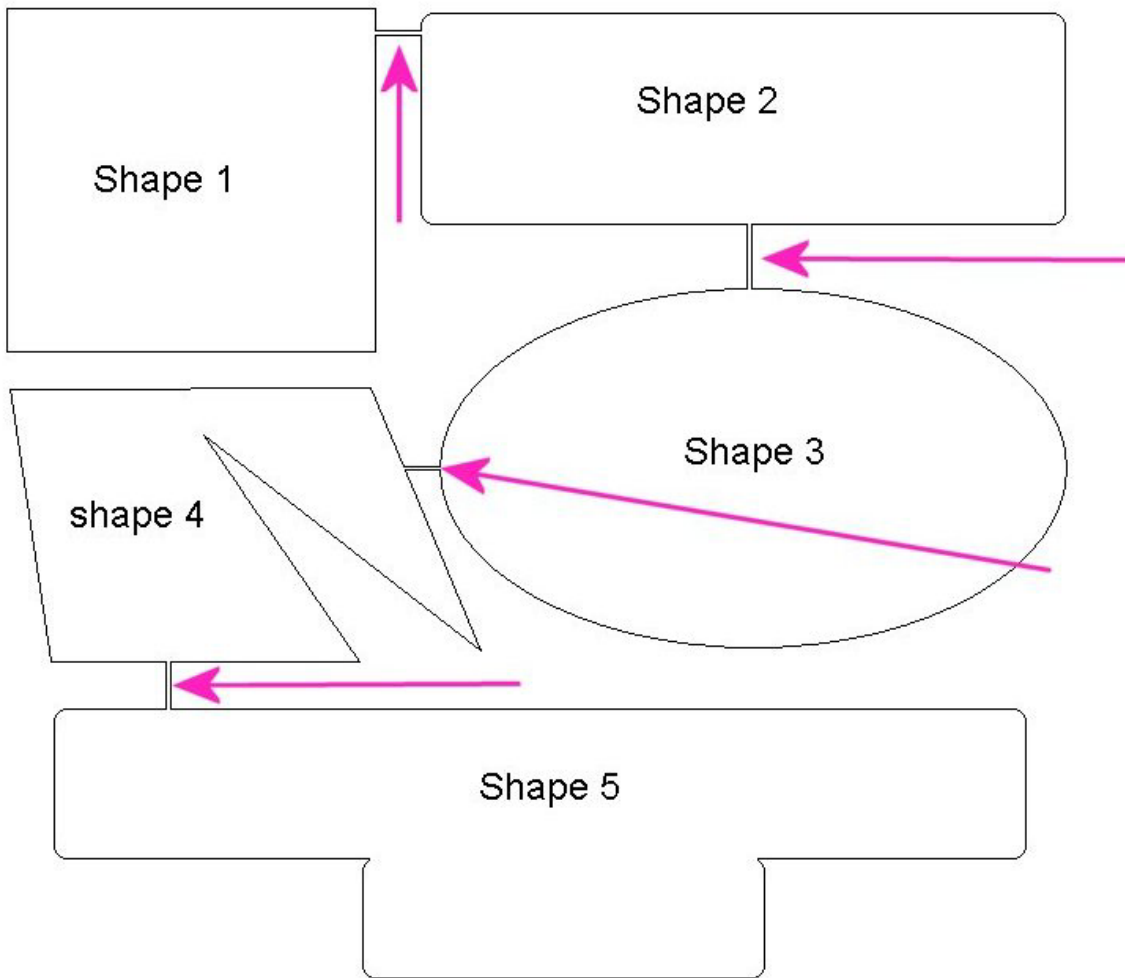
This document describes how to cut multiple shapes out of a single piece of foam

In the picture below shows a few shapes that are connected between each other.

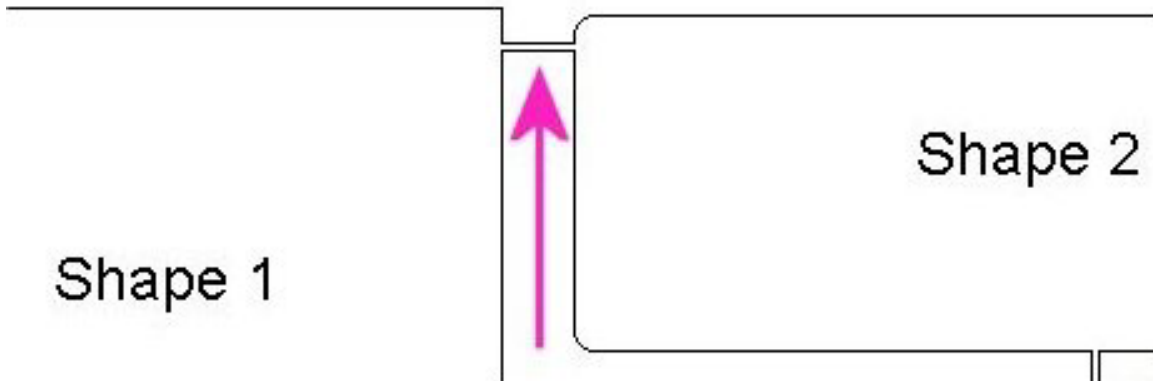
The 1<sup>st</sup> step is to draw the shapes and save the file as a single bit (black & white BMP file)



The image below shows where each shape is connected to the next.

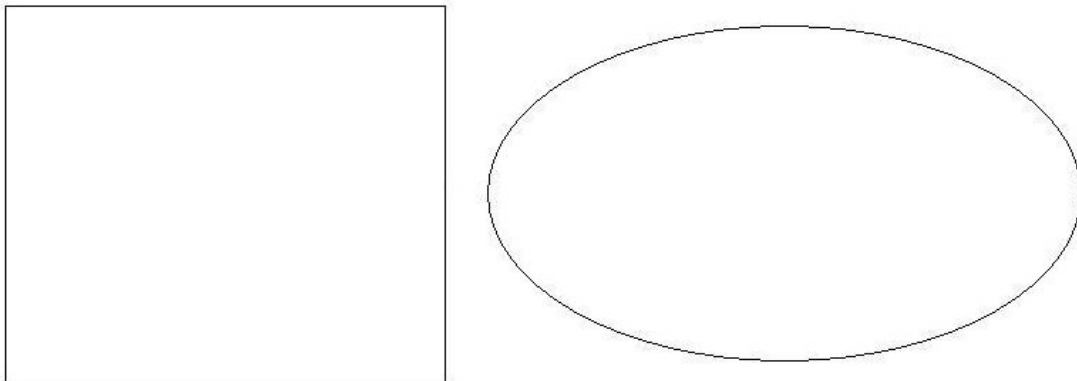


In the picture below the connection between each shape is shown up-close.

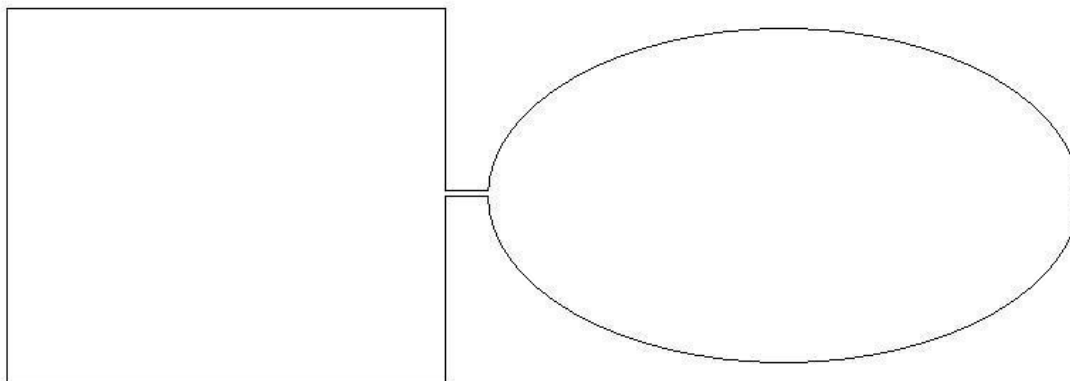


The goal here is to make sure that the how wire has a place to enter the shape and exit.

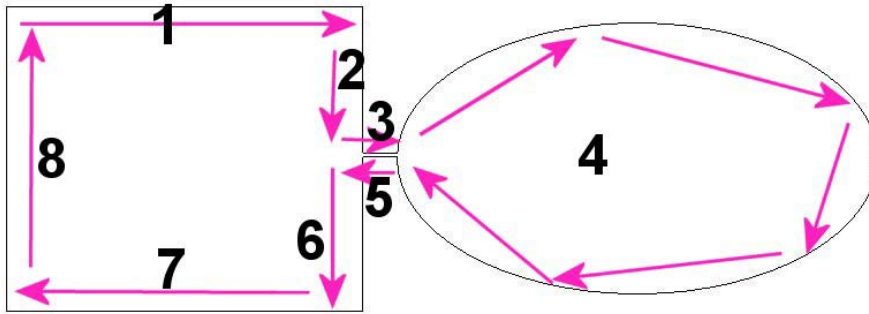
For an example: Lets take two simple shapes:



Now, lets draw the lines that connect between the two shapes. These two lines are where the wire will exit the 1<sup>st</sup> shape and enter the 2<sup>nd</sup> shape.



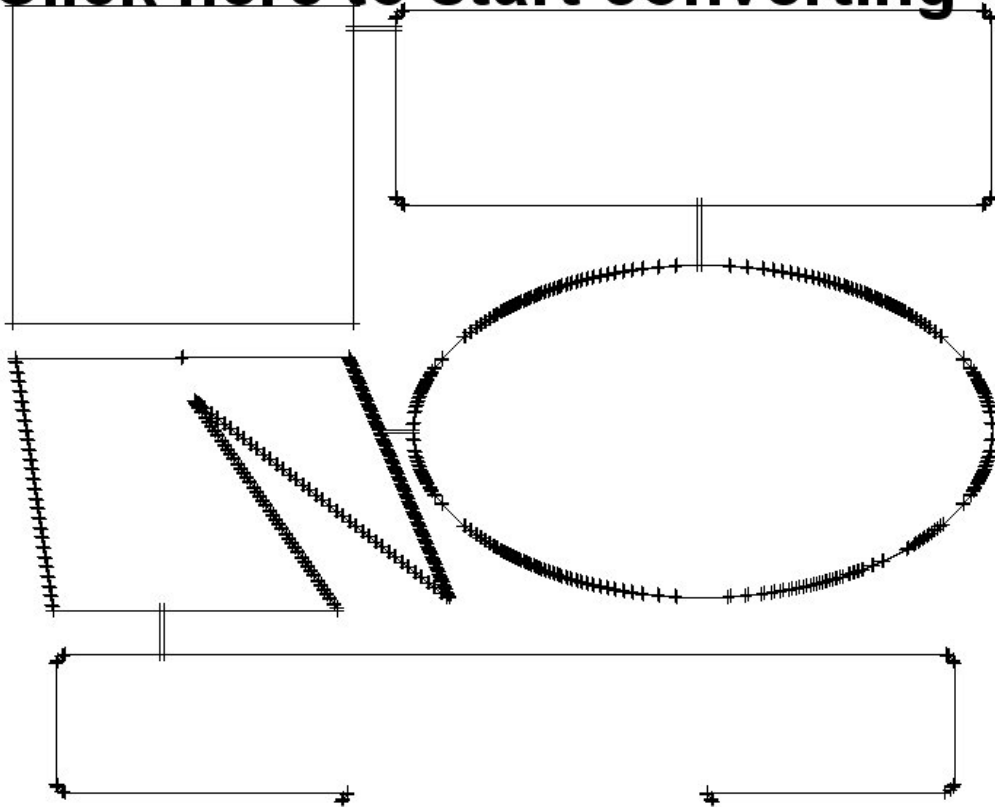
In the picture below we show the hot wire path



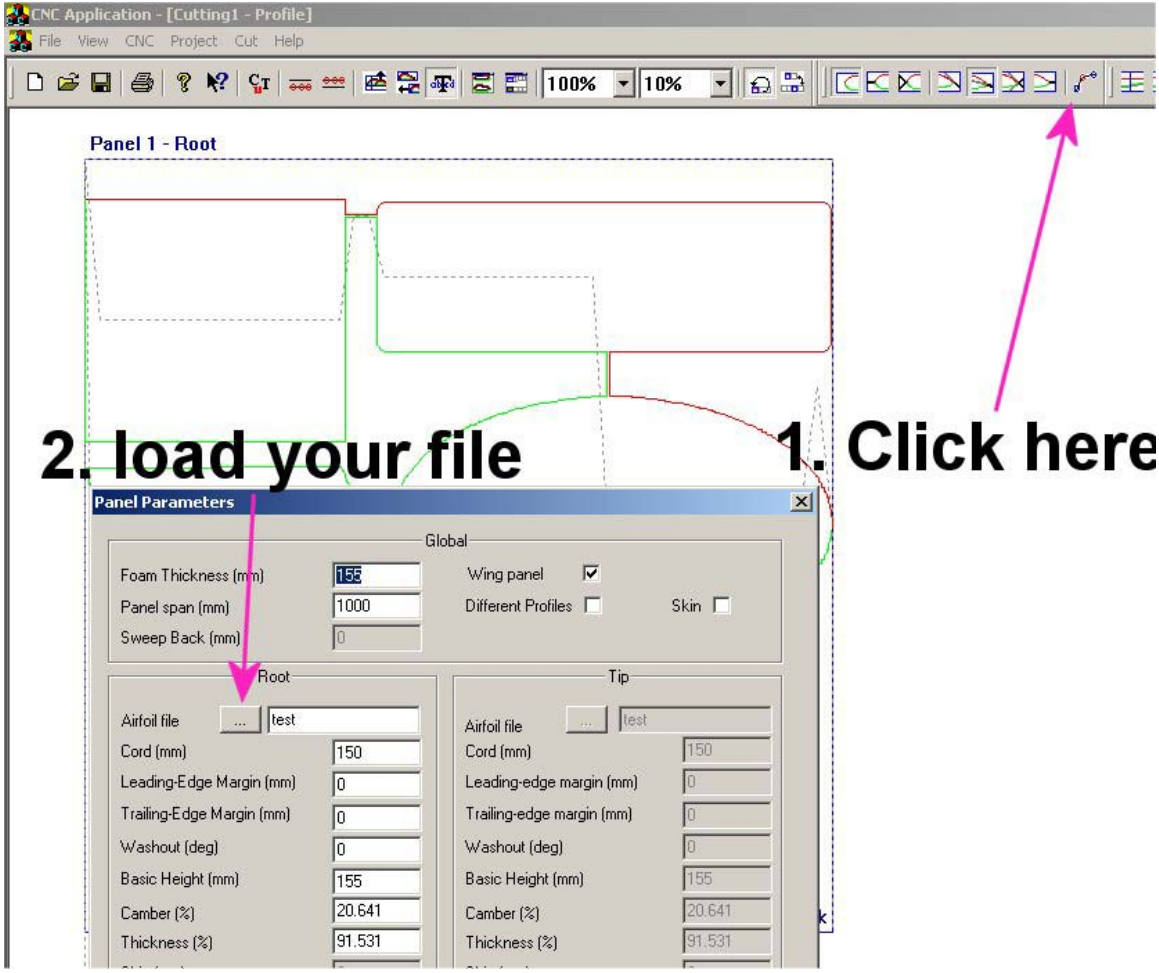
Going back to the original example: Save the BMP file and load it into Profscan.

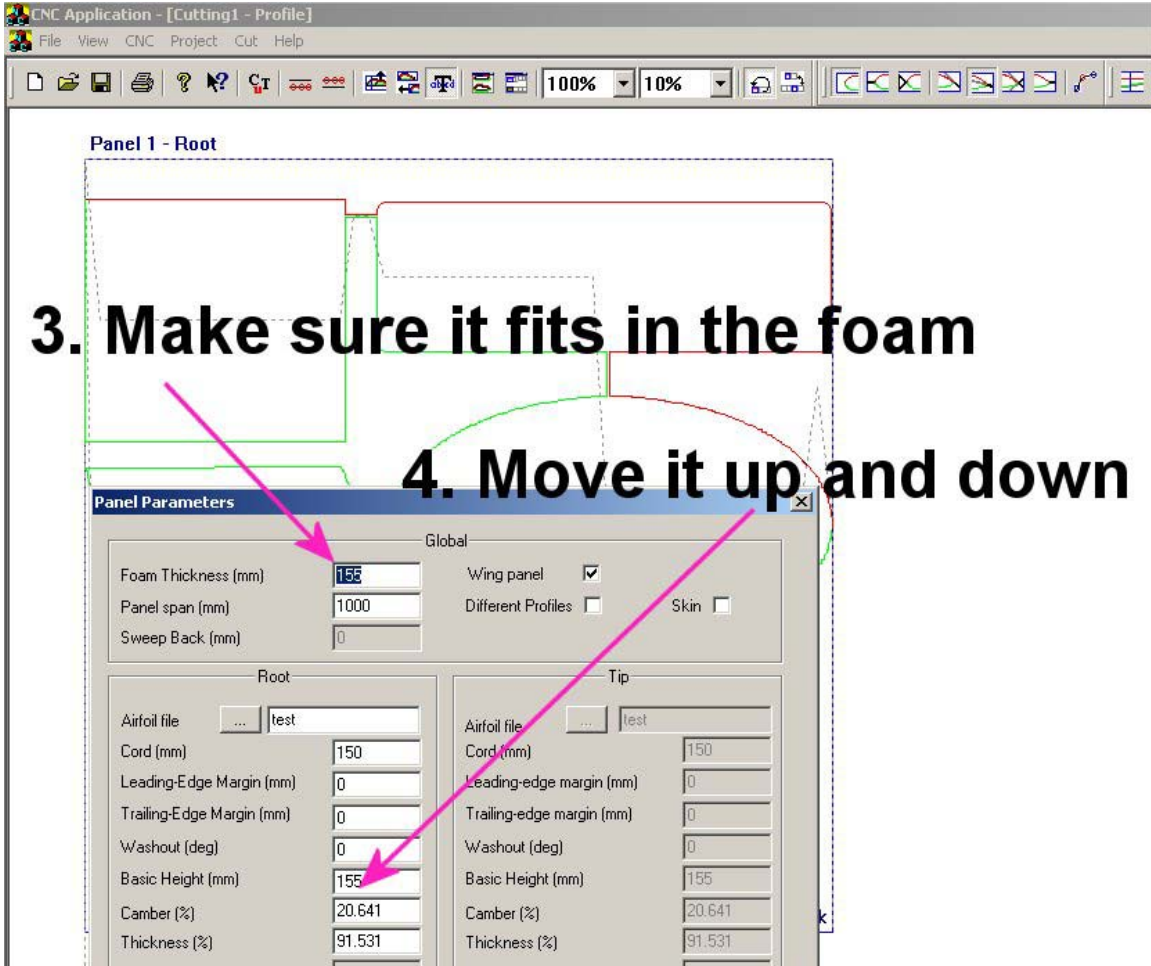


**Click here to start converting**

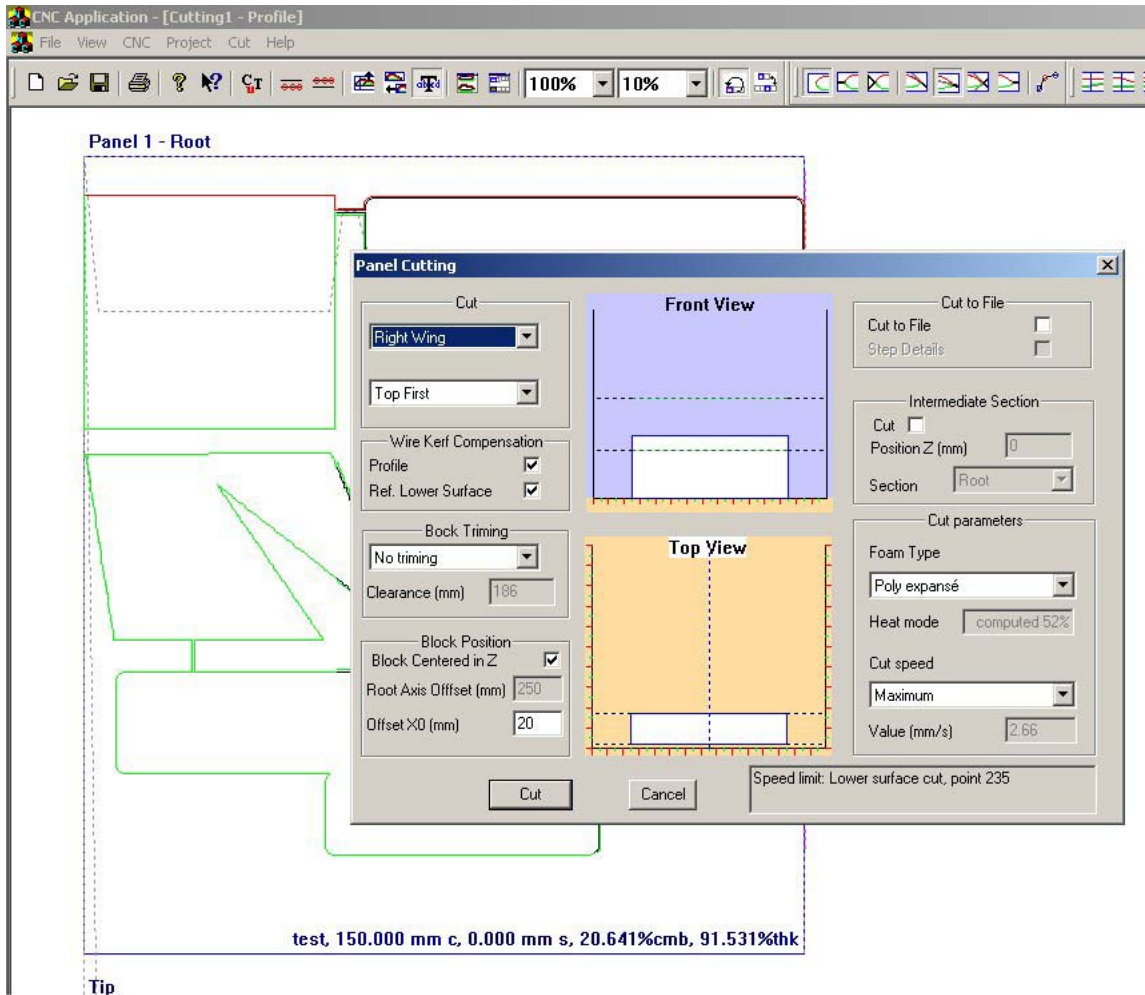


Once the conversion is done, save the DAT file and load it into the Gilles CNC cutting software.

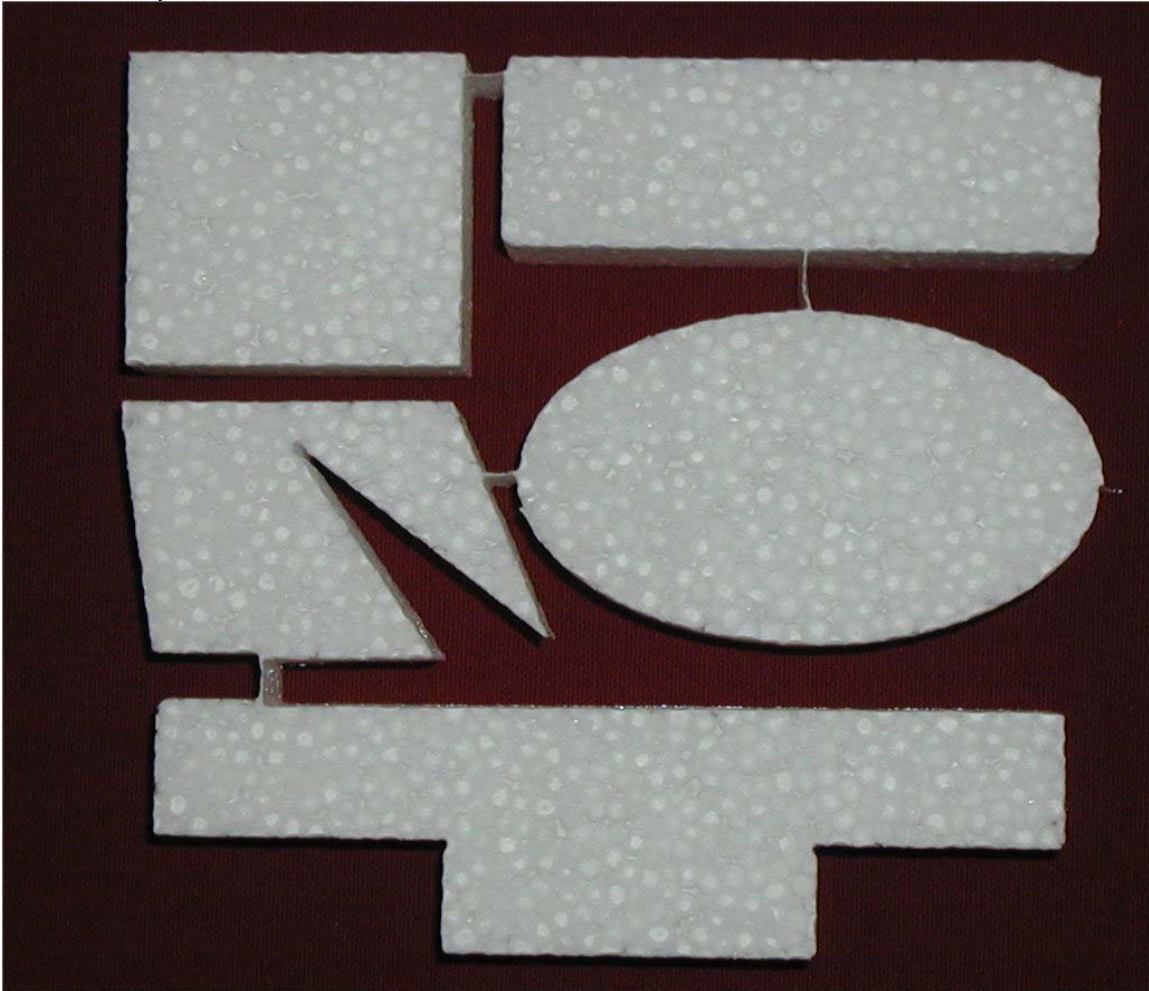




# Make the cut

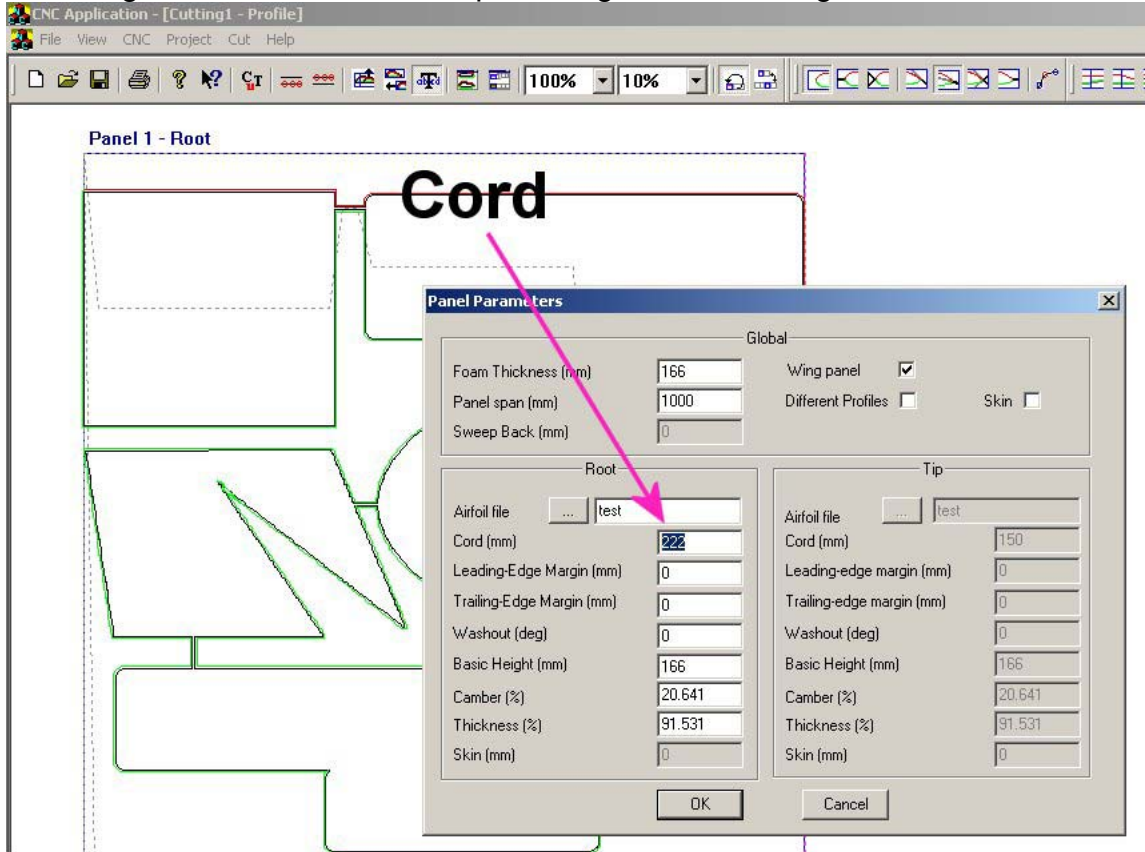


Below is a picture of the cut:



\*\* Heat was a bit too high in this cut!!

Suppose you found out that the cut was too small (or too large)  
To change the size of the cut simple change the Cord length as shown below



Here is a picture of the 2<sup>nd</sup> cut – a bit larger

