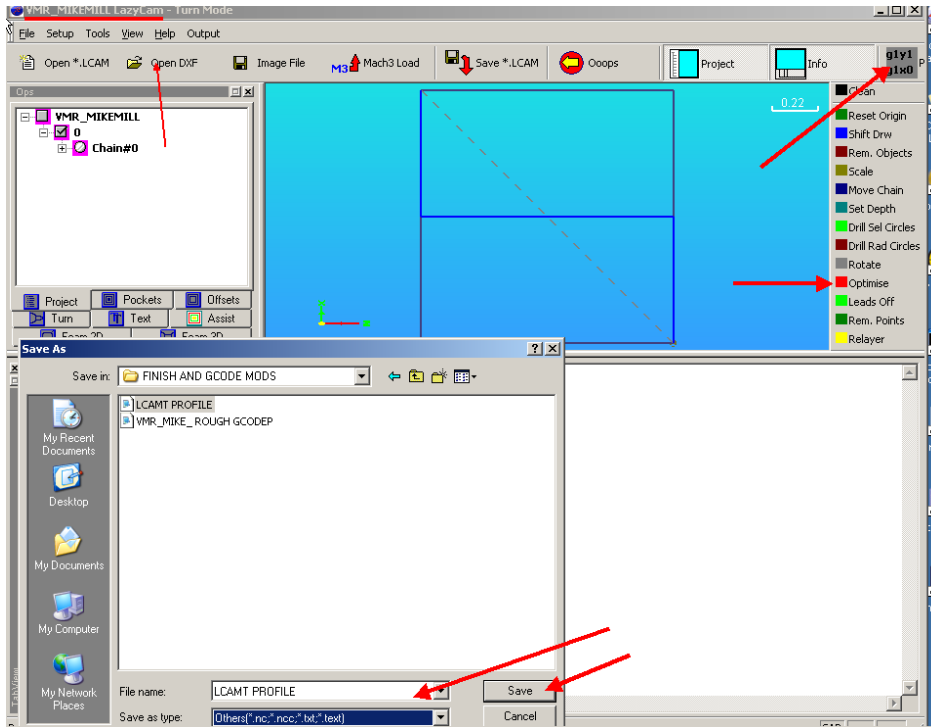
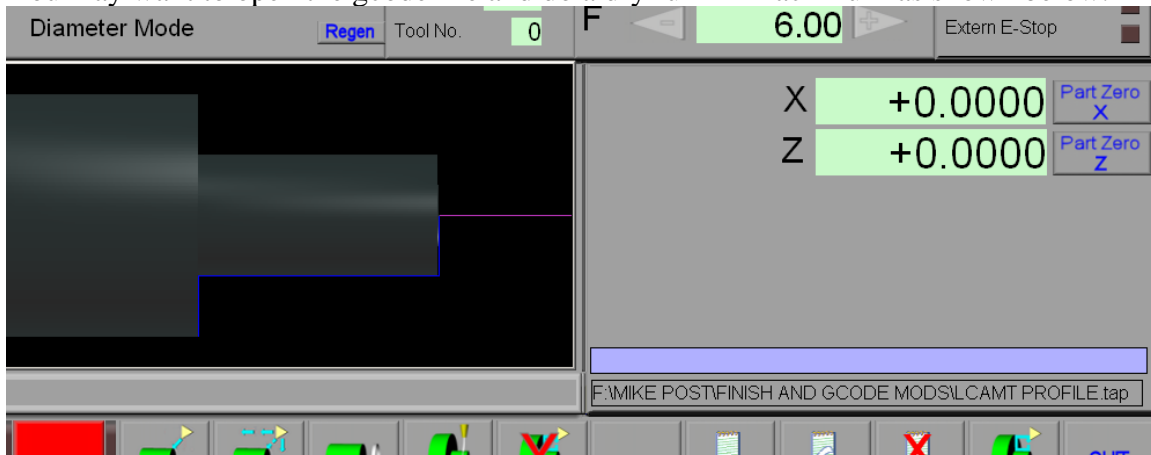


## USING LAZYCAM TURN TO PROVIDE THE PROFILE GCODE

Open LazyCam Turn, and import the same file that you used to create the rough paths in Lazyturn. At the pop up screen ( **NOT SHOWN BELOW** ) just click **TURN**.  
Now click **OPTIMISE** , click the **POST** box, name and select where you want to save the file. That's all there is to getting the profile gcode out of LazyCam Turn.



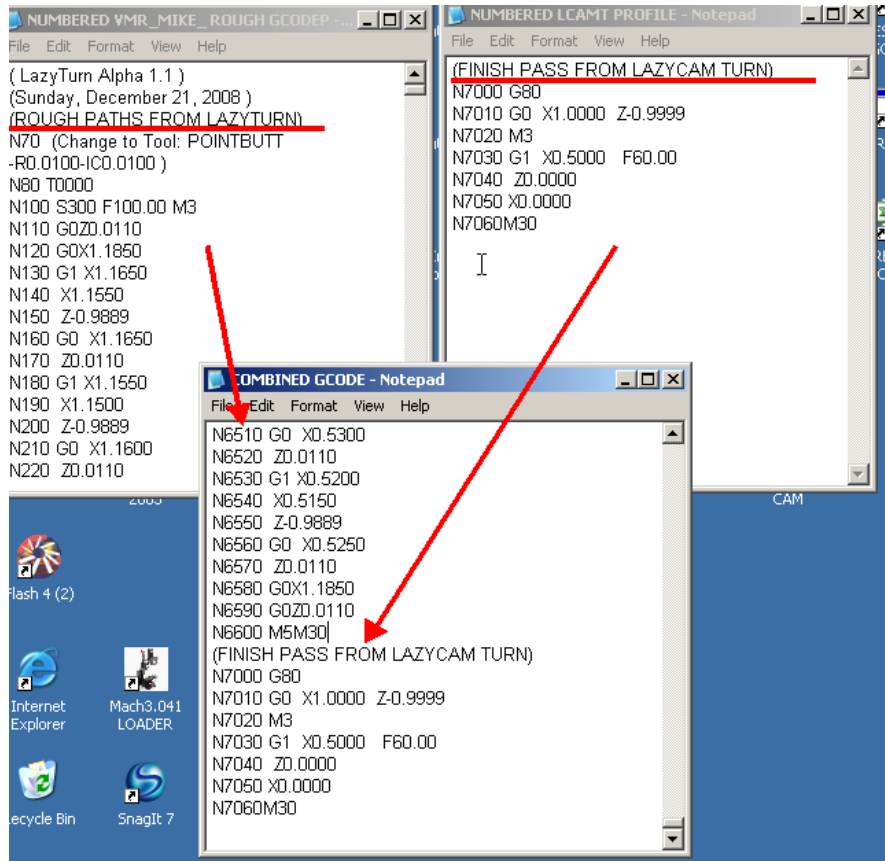
You may want to open the gcode file and do a dry run in Mach Turn as shown below.



## CREATING A COMBINED GCODE FILE

Here is a way to create a combined code for turning.

I have number the lines before combining them, adding a reference remark to each of the original files. Just copy the finish profile code to the end of the roughing code into another file if you wish.



You will need to modify the code. Here is a screen shot in Mach before modifying it:



Here are a few comments for you to consider before you modify the code.

We combined the code, but maybe you only want to do rough cuts and see how things measure up and use the finish pass once or a number of times by tweaking where you actually / physical start from. So practically speaking you didn't even need to combine the code. Depends on what you want to do, how accurate your lathe system is, or maybe this is a one shot turn. How you want to machine something. Can't restore removed metal.

You need to pay attention to where the roughs finished and where the finish code is starting and modify as necessary. Also look for M codes like M30 which would cause the program to rewind and never get to the finish pass code. And if it's a more complex code out of LazyCam Turn watch out for a x-z rapid as highlighted in the manual.

Have fun,

RICH

Modified code attached for example.