

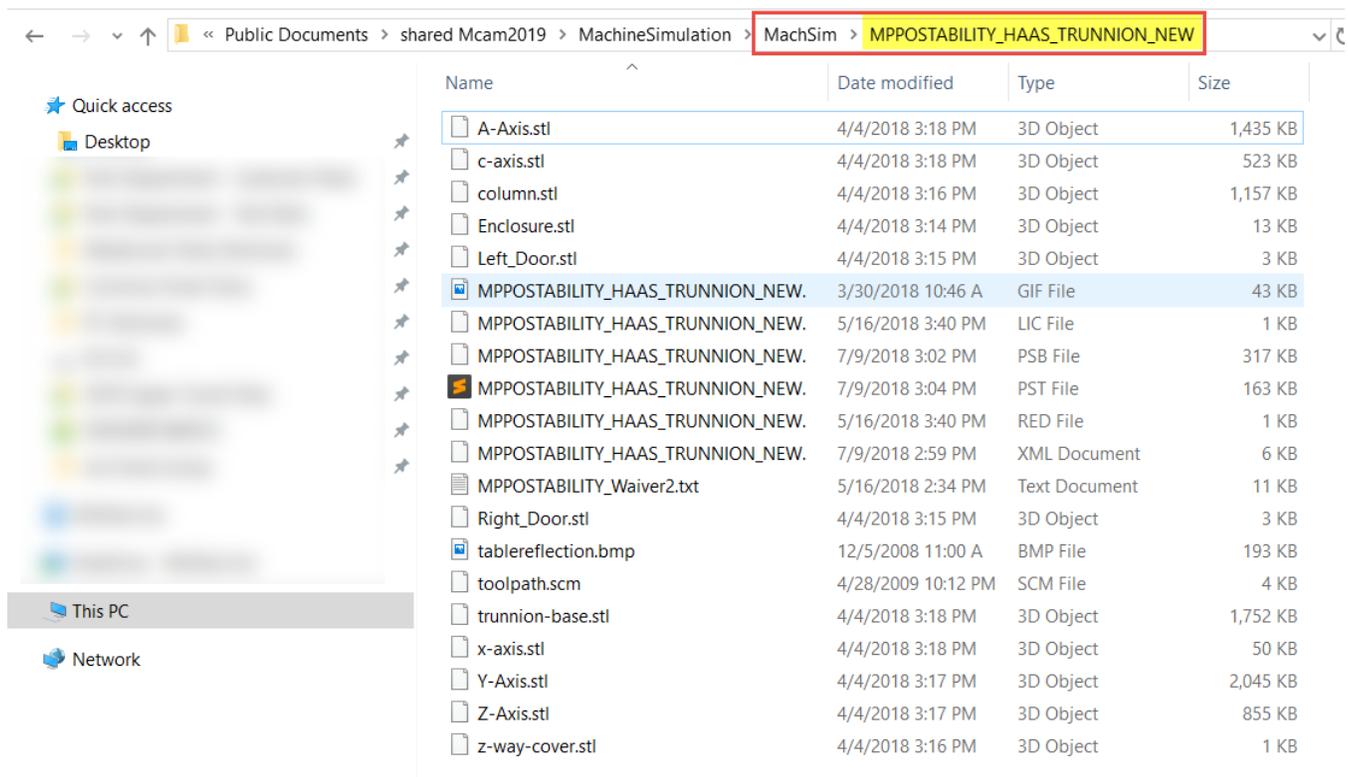
MachSim Installation:

It is important to note that Mastercam Machine Simulation (MachSim) files, are required to be installed in a specific location. This cannot be changed and is also specific to each version of Mastercam. This resides in Mastercam's standard *Shared Mcam* folder structure. For this reason, MachSim files need to be installed on each computer where they will be used. This differs from Post Processor files which can be located outside of Mastercam Shared folders.

The standard path is shown below and only differs according to the version of Mastercam.

C:\Users\Public\Documents\shared Mcam[*version*]\MachineSimulation\MachSim

MachSim files will be delivered to you most likely in the form of a compressed zip folder. These files need to be extracted and copied to the location above. When extracting and copying the files, ensure that you copy only the main folder that contains all the simulation components. This main folder will always match the name of your post processor. The result should look like the image below.



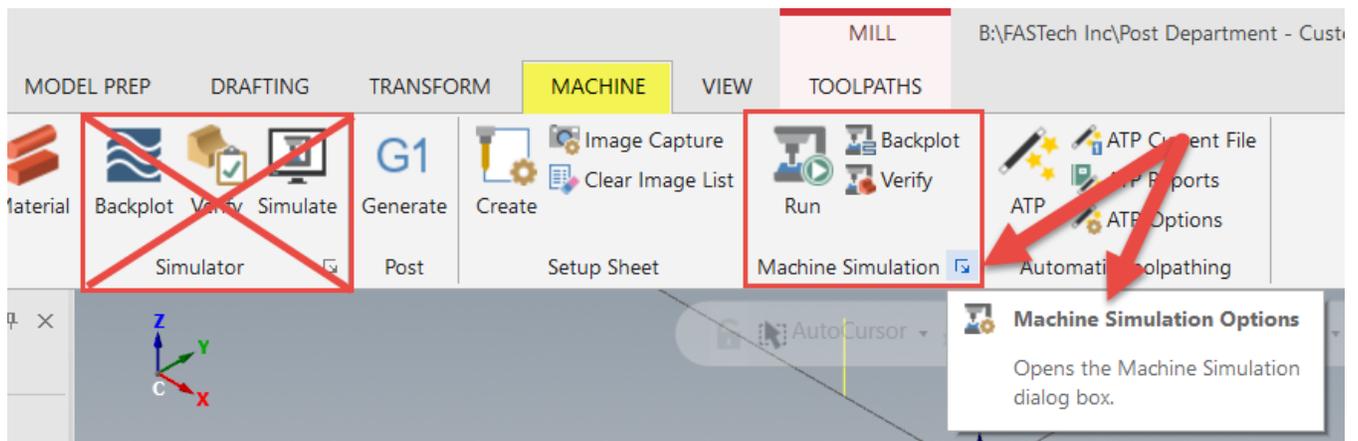
Using MachSim:

Before using MachSim, it is important to note that a copy of your post processor (both .pst and .psb) files, will always reside in the MachSim folder for each machine. MachSim purchased and provided by a 3rd Party Post Developer is unique. It runs through your post processor as it generates the simulation. This is what enables it to closely match the resulting posted code output of your Post Processor.

For this reason, you should always install a copy of your latest post processor files into this folder. ***So anytime changes are made to the post processor, take care to copy your new post processor files in your Post Processor location and in your MachSim directory.*** MachSim uses the version of the post located in the MachSim folder.

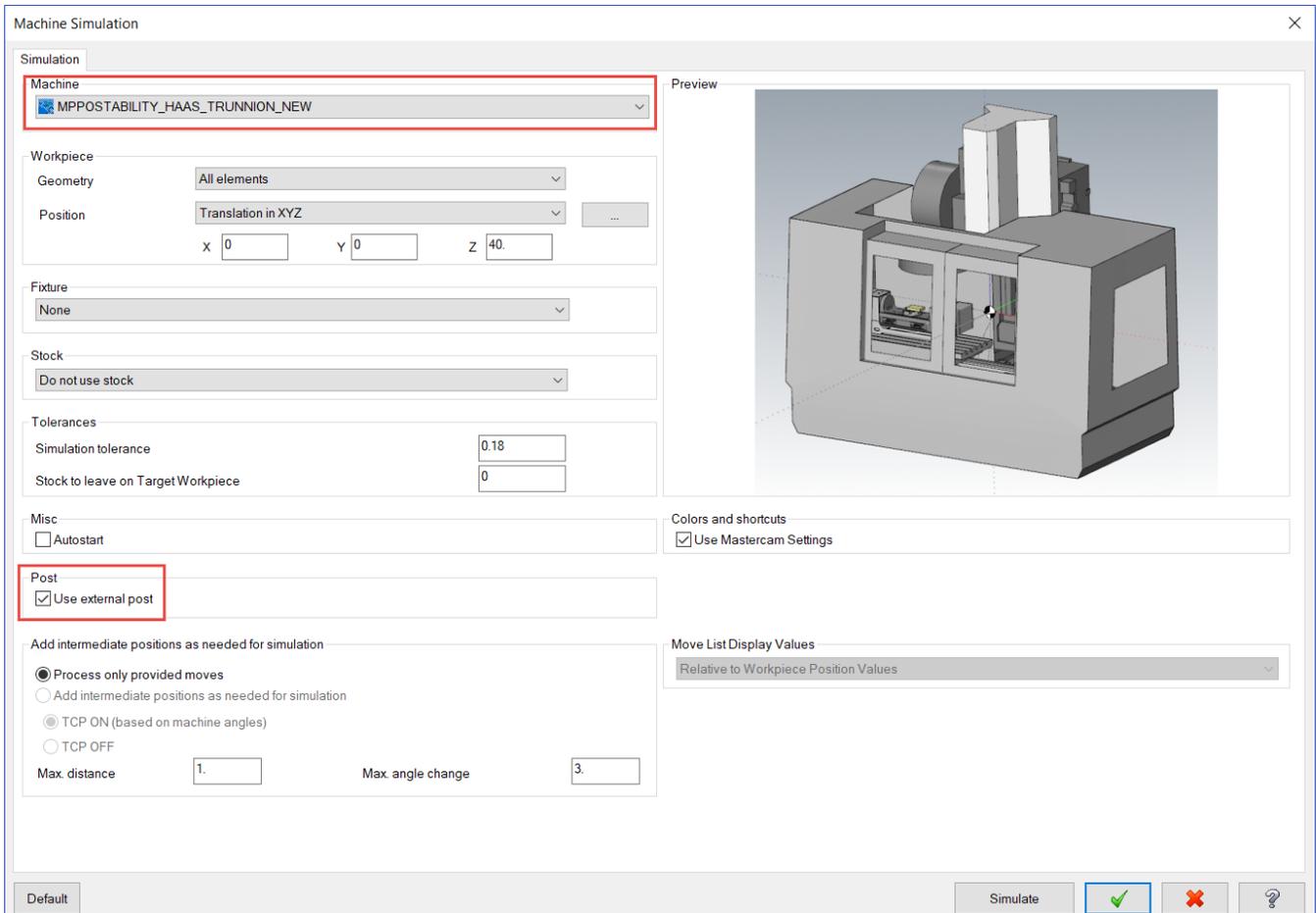
To start simulating your toolpaths, be sure you are using the *Machine Simulation* options highlighted below. The *Simulation* options are for generic simulation machines which have no connection to your post processor.

In each new Mastercam file you will have to initially select your machine in the Machine Simulation Options menu (highlighted below).



In the Simulation Options you will need to select your machine from the drop-down list at the top (see below). *If you do not see your machine in the list, be sure to check installation instructions above to ensure the files are correctly installed into the proper directory.*

Lastly, ensure that you always have the “Use external post” option selected. This option is what directs the simulation to run through your post processor (see below). *Without this option selected, the simulation will be generated solely based on your Mastercam programming. This will not reflect home positions, safe transitional moves, 5-axis solution flips and other output that your post processor may influence to generate safe or improved G-code for your machine.*



For further questions or issues regarding simulation, please direct your emails to posts@fastechinc.net or call FASTech office at (419) 425-2233.