# Purpose:

This program should be able to search through a directory and update specific (or all) .TAF files. TAF files are used by Trumpf CNC laser cutters, they contain a list of parts (stored in .GEO files) and their locations on a sheet of metal. This is called a nest. Currently there is no easy way for the software provided by Trumpf to update the .TAF files if the name of a .GEO files changes. This causes issues and wastes time when dealing with part revisions. The way the specific company handles revision for part (.GEO) files is by changing the last character (or two) in the file name. For example: part number CAB-P1-0001-00 revision A would be stored as CAB-P1-0001-00\_A.GEO, if there was a minor (or major) modification made to the design of that part the revision would be incremented to B and the pat file would now be called CAB-P1-0001-00\_B.GEO. With most minor modifications the position on the part on the nested sheet doesn’t have to change, so needing to go into every TAD file, delete the old revision off the sheet, import the new file, and then save the TAF file is time consuming (from experience it can take HOURS) and pointless. TAF files are just specifically formatted text documents so all that needs to be done to update them is to find each instance of the specific geo file and location and update the path to point to the file with a new revision.

# Features:

* Update all .TAF files in directory (and sub directories) that contain a .GEO that matches the users request
* Update only specific .TAF files to new revisions.
* Get TAF and GEO directory from configuration file on startup.
* Save a log of all modified files.
* Ensure a GEO file with the requested revision exists. Ask the user to confirm if no match is found.
* Work between design and released for production parts. Design parts have a revision format of two numbers (i.e. CAB-P1-0001-00\_02). Released for production parts have a revision format containing letters (i.e. CAB-P1-0001-00\_A). Also, should be able to move a GEO between design and released for production formats.
* Work for the part types of HEX, CAB, ELB. Part numbers will always follow the structure of XXX-X#-####-##\_REVISION (X represents letter or number, # represents number)
* (Optional) The ability for the user to replace the whole part number only in specific files, NOT THE WHOLE DIRECTORY!!!! (this might lead to the destruction of the entire nesting database).
* (Optional) The ability to store backups of modified TAF files for each batch of changes. These should correspond to an entry in the log file.