## PartCreator Usage Procedure

The PartCreator program is a Python-based application designed to automate the process of creating, updating, and deleting parts in Epicor, specifically targeting the "Part Maintenance" interface. It uses GUI automation techniques to interact with the ERP system and logs operations to an Excel file.

|  |  |
| --- | --- |
| **Preparation Instructions** | |
| 1. In the Epicor software open the Menu Groups tab. If *Part* is not in the **Favorites Bar,** navigate to *TCI, LLC* > *Production Management* > *Engineering* > *Setup* > *Part* 2. Right-click on *Part* and add it to your favorites bar 3. Open *Part*   Important Note: The *Part/Part Maintenance* window must be actively running and visible when the program starts or else it will terminate itself. |  |
| 1. In an external Excel file, prepare the part numbers and/or descriptions in individual columns    **Important Note:** If you want to delete or overwrite existing parts, a description is not needed. It is only needed if you are creating parts |  |
| Input Management | |
| 1. Once Epicor and the Excel sheet have been prepared, run the executable program 2. Begin by choosing an operation. Choosing **Create** allows you to create new parts. Choosing **Overwrite** allows you to edit fields from existing parts. Choosing **Delete** allows you to delete existing parts. |  |
| 1. Use the **Browse** button to access File Explorer and select your prepared Excel file 2. Fill in the name of the sheet your part numbers are listed on within the prepared Excel file. This field must be exact 3. Enter the letter(s) of the column where the part numbers are listed. Capitalization does not matter in this field 4. If you are creating a part, enter the letter(s) of the column where the descriptions are listed. If the inputted column is empty, the operation will not occur. Capitalization does not matter in this field 5. Enter the row number corresponding with the first and last parts of the list within the prepared Excel sheet. This field must be exact 6. Click the **Submit** button   Important Note: The Excel file must be closed when you click the **Submit** button. Viewing the spreadsheet while filling in the fields is permitted but and error will be thrown if it isn’t closed after submitting. | Overwrite/Delete File Info Form 🡪  🡨 Create File Info Form |
| Note: When deleting parts the **Label Information** form will not appear as no more user input is needed.   1. When creating or overwriting parts submitting the **File Information** form will bring you to the **Label Information** form where you will select options from the dropdown menus that will reflect the profile of each part. 2. When creating parts, all dropdown menus must be filed in before submitting. When overwriting, only the fields one wants to change should be touched except for checkboxes 3. Note that the configuration of the checkboxes in **Label Information** reflects their configuration in Epicor. This means that leaving all 3 checkboxes unchecked in **Label Information** unchecks them in Epicor. |  |
| **Troubleshooting** | |
| 1. Ensure all Windows updates are installed 2. Close other resource-intensive applications 3. Check for empty part number/description columns that may have been used 4. Ensure Epicor’s **Part Maintenance** is running and open 5. Ensure necessary permissions to run executables from the download location | |