



# BILL OF MATERIAL: FROM CREO PARAMETRIC TO EXCEL

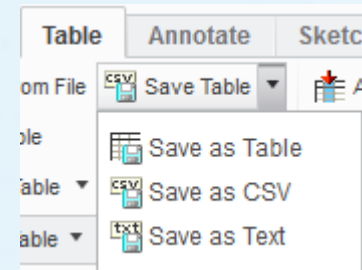


## ➤ Method 1: Using “Bill of Material” function

- ◆ In Creo: Tools -> Bill of Materials
  - Setup the information shown in BOM using the *bom\_format* configuration option
- ◆ Open Excel
- ◆ File -> Open
- ◆ Browse to the working directory (ex: c:\PTC\temp for CAE) and change file type to All Files (\*.\*)
- ◆ Open “YourCADFileName.bom.#” where # is the highest number in the folder.
- ◆ Follow the on-screen instructions of the Text Import wizard.

## Method 2: Export a drawing table

- ◆ In Creo, open or create a new drawing and add the assembly model to in the proper simplified representation (usually it's the master rep)
- ◆ Create a table with a repeat region to show all the components of the BOM.
- ◆ Select the table
- ◆ In the Table, click on the Save as CSV
- ◆ Enter location and name of file
- ◆ Open CSV file into Excel





# ➤ Automating the creation of the Excel file



## ➤ Step 1: Define the desired table format and save the table to disk

Command	Line	PartNumber	Description	Quantity	Units	CAECode	Remarks	FILENAME	FILE DESCRIPTION
ADD	&rpt.index	&asm_mbr_param.value	&asm_mbr_param.value	&rpt.qty	EA			&asm_mbr.name	&asm_mbr_pfc_common.name

## ➤ Step 2: Create a new Format with the Empty template

- ◆ Size as no importance

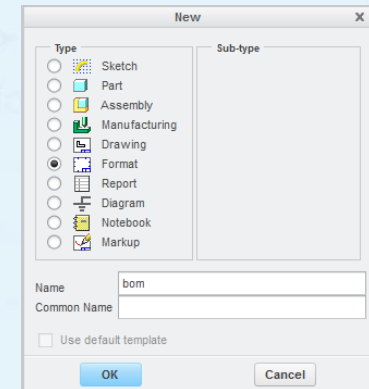
## ➤ Step 3: Add the table created in step 1

## ➤ Step 4: Save the format to disk (bom.frm)

## ➤ Step 5: test the new format and tweak as required

## ➤ Step 6: Record a mapkey

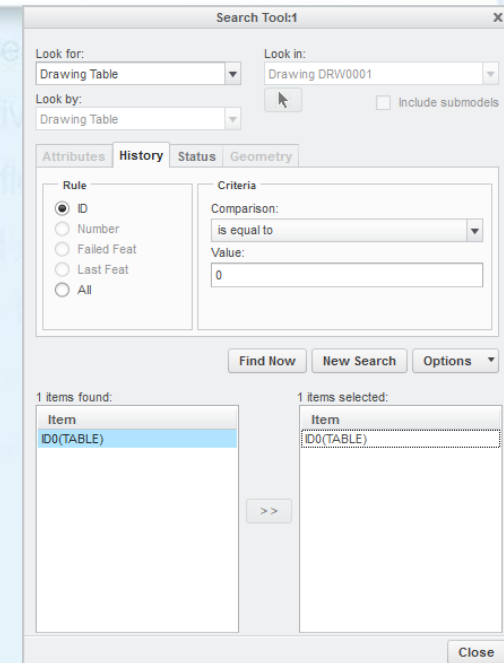
- ◆ Open a test assembly
- ◆ Start the recording of the mapkey
  - Create new drawing using default name
  - Default model should be the active model, so no action required there
  - Select Empty with format and browse to bom.frm
  - If required select the appropriate simplified rep
  - Open search tool



## ➤ Automating the creation of the Excel file

### ➤ Step 6: Record a mapkey (cont'd)

- ◆ Select “Drawing Table” as the Look for
- ◆ Use the History ID = 0 search parameter
- ◆ Click Find Now
- ◆ Click on the >> button and close the dialog box
- ◆ Go to the table tab and click on Save as CSV
- ◆ Browse to a common temporary Folder (C:\PTC\temp)
- ◆ Name the file: BOM
- ◆ Stop the recording and save the mapkey to the config.pro file



### ➤ Step 7: Tweak the mapkey with DOS commands

- ◆ Open the config.pro in an editor and add the following lines to the mapkey:

```
mapkey(continued) @SYSTEMdel c:\ptc\temp\bom.csv;\
```

```
mapkey(continued) @SYSTEMren c:\ptc\temp\bom.csv.* bom.csv;\
```

```
mapkey(continued) @SYSTEMstart excel.exe c:\ptc\temp\bom.csv;
```

PASSIONATE

INNOVATIVE

FOCUSED



TRUSTED

GLOBAL

INTEGRATED