iProperty Collection V2.1 - Inventor 6-9 Add-In

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This Add-in is a collection of small routines that enhances some areas of Inventor, all routines are executed automatically when the document is saved.

To control which routines to enable and which names the different custom properties are called it is now possible to edit a ini file (iProperty.ini).

The ini file is separated into sections that control the execution of the routines.

Remember to look in the ini file for all the options.

Installation:

The add-in is installed when the file "iProperty Collection V2.1.exe" is executed, to uninstall run "uninstall.bat found in the installation folder.

Edit the ini file to customize your requirements.

Default Property names:

Added/Updated Part properties:

- ”Cost Center” and a custom property ”TotalMass” will contain the Part Mass.
- ”Authority” and a custom property ”TotalVolume” will contain the Part Volume.

The use of the Cost Center and Authority properties is a workaround to make it possible to get the Model Property into the Title block.

Added/Updated WorkPoint

- A WorkPoint called "Center of Mass" is added/updated to the Center of Gravity (COG)

Sheet Metal Part properties

The same properties as the Part plus

- Custom property ”SM_Style” will contain used Sheet Metal style.
- Custom property ”SM_Thisckness will contain used Sheet Metal Thickness.
- Custom property ”SM_Extents” will contain used size (extents) of the unfolded part. The number of decimals is determined by the Document settings.
- 2 Custom properties ” SM_Extents_Width” and "SM_Extents_Length” will contain the length and width of the unfolded part. The number of decimals is determined by the Document settings.

Added/updated Assembly properties

- ”Cost Center” and a custom property ”TotalMass” will contain the Part Mass.
- ”Authority” and a custom property ”TotalVolume” will contain the Part Volume.

Added/Updated WorkPoint

- A WorkPoint called "Center of Mass" is added/updated to the Center of Gravity (COG)

Added/updated Drawing properties

- Custom property "FirstViewScale" will contain the Scale of the first placed view on the first Sheet.
- Custom property "AllViewScales" will contain all the Scales used on all Sheets, the Scales are sorted with the biggest scale first (eg. 5:1, 1:1, 2:1)
- Custom property "SavedDate" will contain the system date when the Drawing is saved.
- Custom property "SaveTime" will contain the system time when the Drawing is saved.
- Custom property "PaperSize" will contain the Paper size of the first Sheet

To use the custom properties in the Title block add the Property Fields with the corresponding names to the Title block.