# FOCUS ONREAL DESIGN AUTOMATE THEREST

## CUSTOMTOOLS
## Datasheet

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**CUSTOMTOOLS**

# CUSTOMTOOLS

## BATCH PROCESSING

### Batch printing

| | BASIC | PRO |
|---|:---:|:---:|
| Manage print order | X | X |
| Inserts BOM quantities | X | X |
| Define print settings per sheet format or paper size | X | X |
| Print-time custom properties | X | X |
| Print sheets referenced by model configuration | X | X |
| Reloads sheet formats | X | X |
| Changes sheet formats | X | X |
| Manage layer visibility | X | X |
| Include/Exclude specific sheets | X | X |
| Filter based on property value | X | X |
| Print non-native SOLIDWORKS files | X | X |
| Launch print from search results | X | X |
| Print closed assembly | X | X |
| Add files, assembly or folder to the print list | X | X |
| Define print profiles | X | X |
| Batch print drawings | X | X |
| Supports non-native SOLIDWORKS files | X | X |
| Customer specific properties (print/convert) | X | X |
| Translate properties and title blocks | | X |

### Batch conversion

| | BASIC | PRO |
|---|:---:|:---:|
| Convert to multiple formats at the same time | X | X |
| Merges assembly drawings into one PDF | X | X |
| Merges DXF based on sheet metal thickness and material | X | X |
| Define file naming and storing rules | X | X |
| 25 file formats available | X | X |
| Insert BOM quantities | X | X |
| Convert sheets referenced by model configuration | X | X |
| Filter based on property value | X | X |
| Reloads sheet formats | X | X |

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| | | |
|---|---|---|
| Changes sheet formats | X | X |
| Manage layer visibility | X | X |
| Write properties to converted files at run-time | X | X |
| Include/Exclude specific sheets | X | X |
| Include/Exclude specific configurations | X | X |
| Supports multi-body parts | X | X |
| Run conversion rules on BOM export | X | X |
| Run conversion rule automatically on save operations | X | X |
| Define conversion profiles | X | X |
| Imposes PDF | X | X |
| Convert drawings, parts & assemblies | X | X |
| Launch conversion from search results | X | X |
| Converts closed assembly | X | X |
| Customer specific properties (print/convert) | X | X |
| Associate configuration name to output file name | X | X |
| Translates properties and title blocks | | X |

## Solid Edge migration

| | BASIC | PRO |
|---|---|---|
| Imports Solid Edge model to SOLIDWORKS files | | X |
| Converts Solid Edge drawings to PDF/DXF/DWG | | X |
| Imports Solid Edge file properties | | X |
| Fixes components in SOLIDWORKS | | X |
| Map material | | X |
| Filters properties to import | | X |
| Keep original file structure | | X |

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## SHEET METAL TOOLS

### DXF Automation

| | BASIC | PRO |
|---|---|---|
| Auto-create DXF drawing sheet | | X |
| Auto-create DXF from parts | | X |
| Auto-create DXF for multi-body parts | | X |
| Merge DXF based on material & thickness | | X |
| Insert customized property notes in DXF/DWG | | X |
| Use cut list item in output file name | | X |
| Use instance number and total quantity in output file name | | X |
| Associate configuration name to output file name | | X |

### Cut-list property management

| | BASIC | PRO |
|---|---|---|
| Write additional cut list properties | X | X |
| Property pane for cut list items | X | X |
| Auto number cut list item | X | X |
| Write additional properties based on geometry | X | X |
| Copy cut list item as drawing/model properties | | X |

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## REPORTING

### Excel Report

| | BASIC | PRO |
|---|---|---|
| Generate custom Excel reports | | X |
| Generate custom BOM listing | | X |
| Insert preview image | | X |
| Insert SOLIDWORKS attributes | | X |
| Insert custom property values | | X |
| Accumulates quantities | | X |
| Insert link to converted files (req. CT Apps) | | X |
| Bi-Directional Excel report (req. CT Apps) | | X |
| Keep BOM Structure | | X |
| Translate custom properties | | X |
| Manage configurations | | X |
| Run file conversion rules during report creation | | X |
| Launch reporting from search results | | X |
| Supports user defined sub-structure for parts | | X |

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## PROPERTY MANAGEMENT

### Property Pane

| | BASIC | PRO |
|---|:---:|:---:|
| **Manage properties based on configuration** | | |
| Writes property values to pre-defined target | X | X |
| Writes property values to all configurations | X | X |
| Writes property values to specific configuration | X | X |
| Writes property values to document properties | X | X |
| Writes property values to active configuration | X | X |
| Writes property values to document properties and active configuration | X | X |
| Writes property values to document properties and all configurations | X | X |
| | | |
| **Custom properties functions** | | |
| Manage property group visibility | X | X |
| RAL Colors/Colors | X | X |
| Link mass and material | X | X |
| Manage revisions data | X | X |
| Link to dimensions | X | X |
| Auto-numbering | X | X |
| Auto-numbering based on property value | X | X |
| Track property change history | X | X |
| Clear property value on Save As | X | X |
| Define customer specific properties | X | X |
| Insert property translation | | X |
| Link to external data source | | X |
| Copy cut list item property as model/drawing property | | X |
| Copy model property as drawing property | | X |
| Custom dictionaries | | X |
| | | |
| **Look up list** | | |
| Multi-level look up list | X | X |
| Keyed values | X | X |
| Hierarchical dropdown list | X | X |
| Keyed values | X | X |
| Fetch dropdown list content | X | X |
| | | |
| **Default values** | | |

| | | |
|---|---|---|
| Define default custom property | X | X |
| Insert user's initial | X | X |
| Insert SOLDIWORKS functions as default values | X | X |
| Insert current date | X | X |
| User/User group based default property value | X | X |
| Auto complete | X | X |
| Retrieve parent property value | X | X |

**Formatting**

| | | |
|---|---|---|
| Combine custom properties | X | X |
| Define maximum length | X | X |
| Force CAPS | X | X |
| Define values to be written for check box | X | X |
| Configure date format | X | X |
| Compulsory values | X | X |
| Multiline properties | X | X |

## Propagate property value

| | BASIC | PRO |
|---|---|---|
| Propagate property values to models, parts and assemblies | | X |
| Propagate property values to drawings | | X |
| Updates combinations of properties | | X |

## Insert Notes

| | BASIC | PRO |
|---|---|---|
| Pre-defined note templates with custom properties | X | X |
| Save note for later use | X | X |
| Share notes between users | X | X |
| Insert BOM quantity during file conversion | X | X |
| Insert notes during file conversion | | X |

## Drawing Template

| | BASIC | PRO |
|---|---|---|
| Customize sheet formats with custom properties | X | X |
| Access to pre-defined list of available properties | X | X |
| Insert properties defined for models and drawings | X | X |
| Insert revision table | X | X |

## Bounding box

| | BASIC | PRO |
|---|---|---|
| Supports parts and assemblies | | X |
| Define a bounding box offset | | X |
| Updates automatically | | X |
| Writes additional bounding box dimension properties | | X |

## Co box

| | BASIC | PRO |
|---|---|---|
| Insert coordinates points in drawing | | X |
| Create groups of coordinates | | X |
| Supports linear and polar coordinates | | X |
| Supports arc centre point | | X |
| Updates automatically | | X |

# FILE MANAGEMENT

## File naming

| | BASIC | PRO |
|---|---|---|
| Define file naming rules | X | X |
| Number sequencing | X | X |
| Shared sequences between users | X | X |
| Specific naming for parts and assemblies | X | X |
| Combine custom properties | X | X |
| Auto-save to folder | X | X |
| Configuration specific drawings | X | X |
| Generate a sequence number based on property value | X | X |
| Detect property value changes | X | X |
| Define sequence format | X | X |
| Increment sequence number | X | X |
| Auto-generate drawing filename | X | X |
| Supports naming of virtual components | X | X |
| Save configuration as new file | X | X |
| Replace component in assembly | X | X |
| Save as and break external references | X | X |
| Copy as new component in assembly | X | X |
| Rename existing file | X | X |
| Property pane popups on save operation | X | X |
| Run conversion rule on save operation | | X |

## Project

| | BASIC | PRO |
|---|---|---|
| Define projects and sub-projects | | X |
| Auto-save to project folder | | X |
| Define model & drawing save folders | | X |
| Define specific file naming rules per projects | | X |
| Project specific sequencing | | X |
| Loads default custom property values | | X |
| Search files based on project/sub-project | | X |
| Auto-Number & Name by Project | | X |
| Link project/ parent project information to custom properties | | X |
| Retrieve projects from ERP (req. customization) | | X |

# ERP CONNECTION

## Import

| | BASIC | PRO |
|---|---|---|
| Live ERP search in property pane | | X |
| Link ERP data to properties | | X |
| Fetch dropdown list content | | X |
| Connect to different tables | | X |

## Export

| | BASIC | PRO |
|---|---|---|
| Export BOM to ERP (req. customization) | | X |
| Automate the creation of new items in ERP (req. customization) | | X |
| Export BOM to XML | | X |
| Export BOM to HTML | | X |
| Export BOM to CSV | | X |
| Export BOM to TXT | | X |
| Export preview image | | X |
| Launch Export from search results | | X |
| Supports user defined sub-structure for parts | | X |

# CUSTOMTOOLS

## ADVANCED SEARCHING

### Search

| | BASIC | PRO |
|---|---|---|
| Search files based on custom property values | X | X |
| Search files based on document types | X | X |
| Drag & drop files from the search results | X | X |
| Free search | X | X |
| Configurable search pane | X | X |
| Supports file configuration | X | X |
| Search based on BOM part number | X | X |
| Remembers last search criteria | X | X |
| Project search | | X |

### Open Drawings

| | BASIC | PRO |
|---|---|---|
| Identifies all drawings made for a model | X | X |
| Opens associated drawings | X | X |
| Works regardless of naming and storing conventions | X | X |
| Supports configuration specific drawings | X | X |

### Explore

| | BASIC | PRO |
|---|---|---|
| Locate a file in Windows Explorer | X | X |

# DESIGN REUSE

## Copy

| | BASIC | PRO |
|---|:---:|:---:|
| Copy and rename assemblies | | X |
| Move and rename assemblies | | X |
| Copy referenced drawings | | X |
| Include active/referenced configurations | | X |
| Modify properties | | X |
| Exclude Design Library files | | X |
| Exclude Toolbox parts | | X |
| Keep folder structure under the main assembly | | X |
| Update drawings with property changes | | X |
| Define destination folder for Models/Drawings | | X |
| Find and replace in file name | | X |
| Create a zip | | X |
| Filter files to copy based on property value | | X |

## Where Used

| | BASIC | PRO |
|---|:---:|:---:|
| Locate where a model is being used | X | X |