

FOCUS
ON REAL
DESIGN
AUTOMATE
THE REST

CUSTOMTOOLS 2019 SP1
Data sheet

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CUSTOMTOOLS

BATCH PROCESSING

Batch printing

	BASIC	PRO
Manage print order	X	X
Insert 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
Reload sheet formats	X	X
Change 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
Support non-native SOLIDWORKS files	X	X
Customer specific properties (print/convert)	X	X
Set scale	X	X
Print to a specific printer tray	X	X
Export file print list	X	X
Simplified profile creation wizard	X	X
Define the color output	X	X
Translate properties and title blocks		X
Run cutting profile as a task		X
Run bending sheet as a task		X
Run file rebuild operation as a task		X

Batch conversion

	BASIC	PRO
Convert to multiple formats at the same time	X	X
Merge assembly drawings into one PDF	X	X
Merge DXF based on sheet metal thickness and material	X	X
Define file naming and storing rules	X	X



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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
Reload sheet formats	X	X
Change 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
Impose PDF	X	X
Convert drawings, parts & assemblies	X	X
Launch conversion from search results	X	X
Convert closed assembly	X	X
Customer specific properties (print/convert)	X	X
Associate configuration name to output file name	X	X
Rename child components in STEP file format	X	X
Export file conversion list	X	X
Auto detect sheet metal part	X	X
Define orientation of non-sheet metal parts in DXF/DWG export	X	X
Simplified profile creation wizard	X	X
Translate properties and title blocks		X
Run cutting profile as a task		X
Run bending sheet as a task		X

Solid Edge migration

	BASIC	PRO
Import Solid Edge model to SOLIDWORKS files		X
Convert Solid Edge drawings to PDF/DXF/DWG		X
Import Solid Edge file properties		X
Fixe components in SOLIDWORKS		X
Map material		X
Filter 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
Insert customized note in flatten view		X
Show bend lines in flatten view		X
Insert customized bend notes		X
Show only silhouette edges		X
Create cutting profile sheet during batch operation		X
Create bending sheet during batch operation		X
Define the sheet format/size to be used by the bending sheet		X
Save temporary created drawing during DXF creation from parts		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

REPORTING

Excel Report

	BASIC	PRO
Export where used list		X
Generate custom Excel reports		X
Generate custom BOM listing		X
Insert preview image		X
Insert SOLIDWORKS attributes		X
Insert custom property values		X
Accumulate 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
Support user defined sub-structure for parts		X
Support for hide, promote & show		X
Support for cut list item		X
Export cut list item preview image		X
Export all configurations at once		X

PROPERTY MANAGEMENT

Property Pane

	BASIC	PRO
Manage properties based on configuration		
Write property values to pre-defined target	X	X
Write property values to all configurations	X	X
Write property values to specific configuration	X	X
Write property values to document properties	X	X
Write property values to active configuration	X	X
Write property values to document properties and active configuration	X	X
Write property values to document properties and all configurations	X	X
Custom properties functions		
Manage property group visibility	X	X
Manage property 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 tooltips	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



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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
Update 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
Support parts and assemblies		X
Define a bounding box offset		X
Update automatically		X
Write additional bounding box dimension properties		X

Coord Note

	BASIC	PRO
Insert coordinates points in drawing		X
Create groups of coordinates		X
Support linear and polar coordinates		X
Support arc centre point		X
Update automatically		X

FILE MANAGEMENT

File naming

	BASIC	PRO
Define file naming rules	X	X
Number sequencing	X	X
Shared sequences between users	X	X
Part and assembly specific naming	X	X
Combine custom properties	X	X
Auto-save to folder	X	X
Configuration specific drawings	X	X
Generate sequence 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
Retain all references when file is renamed	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
Load default custom property values		X
Search files based on project/sub-project		X
Auto-Number & Name by Project		X
Link project information to custom properties		X



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Link 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
Split structure export output to several files		X
Export cut list item		X
Export all configurations at once		X
Support user defined sub-structure for parts		X

ADVANCED SEARCHING

Search

	BASIC	PRO
Search files based on custom property values	X	X
Search files based on document types	X	X
Drag & drop from 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
Export file search results list		X
Project search		X

Open Drawings

	BASIC	PRO
Identify all drawings made for a model	X	X
Open associated drawings	X	X
Works regardless of naming and storing conventions	X	X
Support 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
Retain all references when file is copied		X
Retain all references when file is renamed		X

Where used

	BASIC	PRO
Locate where a model is being used		X
Export where used list		X

Collaboration

Collaborative manufacturing on the cloud

	BASIC	PRO
Export non SW file formats (e.g. PDF, DXF,..)		X
Export custom properties		X
Send a downloadable package		X
Post comments		X
Email notifications		X
Operations log		X

Integration to SOLIDWORKS PDM Professional

	BASIC	PRO
CUSTOMTOOLS Search – Disabled	X	X
Use SOLIDWORKS PDM serial number in CUSTOMTOOLS	X	X
Control which version of file to use (Print, Convert, Export)	X	X
Add reference from converted documents to source file	X	X
Define check in method for the converted documents	X	X
Map model properties to the data card of converted documents	X	X
File references read directly from the SW PDM database	X	X