Custom Properties and Fast Search in Solid Edge ST9

This Tech Tip looks at using custom file properties in the Solid Edge built in data management.

Solid Edge ST9 added **Built-in Data Management** which directly integrates with Solid Edge and allows you to manage your documents. This data management tool is not an addition to other document management software like SharePoint or Teamcenter but stands on its own.

This **Built-in Data Management** captures file properties, prevents file and part number duplication, provides fast searching and where-used results. It supports Life Cycle Management as well as controlled distribution through cloud file services.

Custom Properties

Using custom properties helps you searching for specific files and organizing your data. It is good practice to use ...Program Files/Solid Edge ST9/Preferences/propseed.txt to add custom properties to Solid Edge files. Please read ST9 help and the comment lines in propseed.txt for more information about content and syntax.

Solid Edge Tips

•••

Example:

\\ Define custom properties

Begin Define Custom

define finish;text;

define Mfg Type;text;

define Vendor;text;

End Define Custom

\\ Contents of finish list

Begin Finish

gold;

nickel;

copper;

default=nickel;

End Finish

\\ Contents of Mfg Type list

Begin Mfg Type

Turned;

Machined;

Purchased;

Assembled;

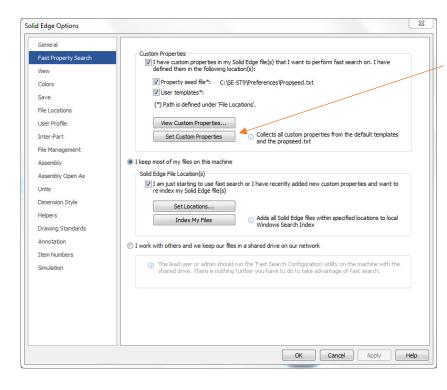
Injected;

Press Break;

default=2;

End Mfg Type

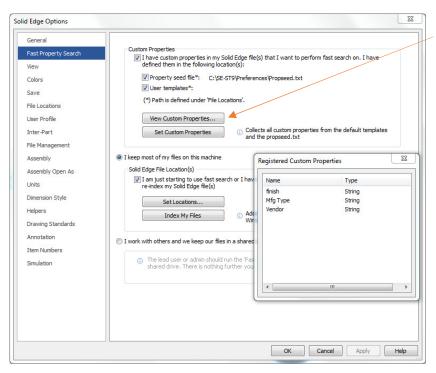
\\ Contents of Vendor list
Begin Vendor
ACME;
CRATE & BROTHERS;
INITEK;
default=2;
End Vendor



In the Solid Edge options on tab *Fast Property Search* make sure to set custom properties.

Note:

If your files are stored on a shared network drive the *Fast Search Configuration* wizard must be run on the machine with the shared network drive. You will find that wizard on the Solid Edge install disk.



You can *View Custom Properties* to verify all properties have been set for fast search.

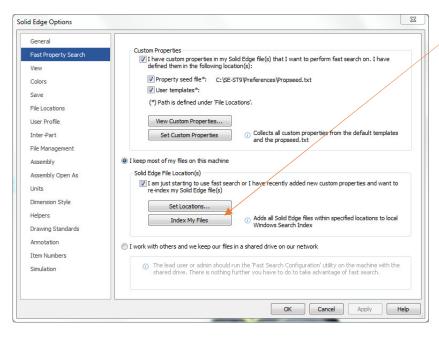
Indexing Files

General		lndexing Options		2
Fast Property Search	Custom Properties I have custom properties in my Solid E defined them in the following location	2.726 items indexed		
View		Indexing complete.		
Colors	Property seed file*: C:\SE-ST9\			
Save	User templates*:			
File Locations	(*) Path is defined under 'File Location	Index these locations:		
User Profile	View Custom Properties	Included Locations	Exclude	
Inter-Part	Set Custom Properties	 Internet Explorer History (DEHAMMICHA Internet Explorer History (PLM\michaels) 		
File Management		Start Menu		
Assembly	I keep most of my files on this machine	Users Users	AppData; AppData; AppData	
Assembly Open As	Solid Edge File Location(s)	Windows Sticky Notes (DEHAMMICHAEL		
Units	I am just starting to use fast search o re-index my Solid Edge file(s)	Windows-Sticky Notes (PLM (michaels)		
Dimension Style	Set Locations			
Helpers	Index My Files			
Drawing Standards	MUCK Hy Hies			
Annotation				
Item Numbers	I work with others and we keep our files in a			
Simulation	The lead user or admin should run the	Modify 💡 Advanced	Pause	
	shared drive. There is nothing furth		Touse	
		How does indexing affect searches? Troubleshoot search and indexing		
		Troubleshoot scorer and indexing		Close

For the properties to be used in fast search you need to index your files. First select the project folders you want to index.

Note:

Folders remain indexed and update if files are removed or added. Select *Set Locations* and *Modify* to select your project folders.



Then click Index my files.

You can close this Menu. Indexing will proceed. In relation to the number of files this takes some time and does not impact your further work.

Windows Explorer

Choose Details		23
Select the details you want to display for the it	tems in this f	older.
Details:		
Total editing time	 Move 	e Up
Total file size		
Total size	Move	Down
TTY/TTD phone	Sho	w
User web URL	Hic	le
Vendor		
Video compression		
Webpage		
White balance		
Width		
Word count		
Writers		
Year .	-	
Width of selected column (in pixels): 27	2	
ОК	Can	cel

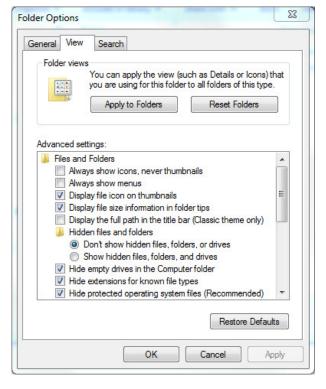
After indexing your files, custom properties can be shown in Windows Explorer.

In Windows Explorer right-mouse-click in any column header, click *more* and choose columns you want to display. In this example I select 'Mfg Type' and 'Vendor'.

Name	Mfg Type	Vendor	Date modified	Туре	Size	
🔄 ZX-0003_A	Assembled	ACME	14.04.2016 00:08	Solid Edge Assembly Document	184 KB	
🛋 ZX-0003_A			05.08.2015 18:53	Solid Edge Assembly Configuration File	5 KB	
🔄 ZX-0004_A	Assembled	ACME	14.04.2016 00:07	Solid Edge Assembly Document	185 KB	
🛋 ZX-0004_A			07.03.2016 14:02	Solid Edge Assembly Configuration File	5 KB	
🔄 ZX-0005_A	Assembled	ACME	14.04.2016 00:07	Solid Edge Assembly Document	187 KB	
🛋 ZX-0005_A			07.03.2016 13:59	Solid Edge Assembly Configuration File	4 KB	
🔄 ZX-0016_A	Injected	CRATE & BROTHERS	14.04.2016 00:07	Solid Edge Part Document	450 KB	
🔄 ZX-0017_A	Injected	CRATE & BROTHERS	14.04.2016 00:07	Solid Edge Part Document	1.576 KB	
L ZX-0017_B	Injected		14.04.2016 00:07	Solid Edge Part Document	2.128 KB	
L ZX-0017_C	Injected		14.04.2016 00:07	Solid Edge Part Document	3.180 KB	
🔄 ZX-0017_D			14.04.2016 00:07	Solid Edge Part Document	4.005 KB	
L ZX-0022_A	Injected		14.04.2016 00:07	Solid Edge Part Document	13.763 KB	
🖢 ZX-0023_A	Purchased	ACME	14.04.2016 00:08	Solid Edge Part Document	884 KB	
🖢 ZX-0025_A	Machined	ACME	14.04.2016 00:07	Solid Edge Part Document	167 KB	
🖢 ZX-0027_A	Injected	CRATE & BROTHERS	14.04.2016 00:07	Solid Edge Part Document	1.589 KB	

General	Sharing	Security	Previous Versions	Customize
⊂ What	kind of fol	der do you	want?	
	ize this fol	-		
Deer	uments			_
				•
V A	so apply th	iis template	e to all subfolders	
Folde	r pictures -			
Choo	se a file to	show on th	his folder icon.	
C	hoose File.]		
Re	store Defa	ult		
Folde	ricons			
			ricon. If you change of the folder's conte	
Ch	ange Icon]		

In order to see this view configuration in all your folders, right-mouse-click on this folder and select *Properties*. On the 'Customize' tab select *Optimize this folder for* 'Documents' and Also apply this template to all subfolders.



Now you can apply this view to all views of type 'Documents'. In Windows Explorer select *Organize, Folder and Search Option*'. On the 'View' tab click *Apply to all Folders*. This lets you sort, filter and search your data also by your custom properties in Windows Explorer.

Name	Date modified	Туре	Size	Mfg Type	Vendor
🖕 ZX-0024_A	14.04.2016 00:08	Solid Edge Part Do	200 KB	Purchased	Assembled
🖕 ZX-0032_A	14.04.2016 00:08	Solid Edge Part Do	2.707 KB	Purchased	Injected
🖕 ZX-0048_A	14.04.2016 00:08	Solid Edge Part Do	179 KB	Purchased	Machined
늘 ZX-0049_A	14.04.2016 00:08	Solid Edge Part Do	350 KB	Purchased	Press Break
🕒 ZX-0089_A	14.04.2016 00:08	Solid Edge Part Do	2.045 KB	Purchased	Purchased
🕒 ZX-0090_A	14.04.2016 00:08	Solid Edge Part Do	336 KB	Purchased	🔲 🧊 Turned
🖕 ZX-0091_A	14.04.2016 00:08	Solid Edge Part Do	252 KB	Purchased	Unspecified
L ZX-0092_A	14.04.2016 00:08	Solid Edge Part Do	1.079 KB	Purchased	INITECH
🖕 ZX-0115_A	14.04.2016 00:08	Solid Edge Part Do	374 KB	Purchased	ACME
🖕 ZX-0116_A	14.04.2016 00:08	Solid Edge Part Do	332 KB	Purchased	ACME
🖕 ZX-0120_A	14.04.2016 00:08	Solid Edge Part Do	223 KB	Purchased	ACME
🖕 ZX-0121_A	14.04.2016 00:08	Solid Edge Part Do	221 KB	Purchased	ACME
🖕 ZX-0137_A	14.04.2016 00:08	Solid Edge Part Do	229 KB	Purchased	ACME
L ZX-0138_A	14.04.2016 00:08	Solid Edge Part Do	258 KB	Purchased	ACME

Organize 🔻	Save search Burn						≡ • 🔟 (
🔶 Favoi	Name	Date modified	Туре	Size	Folder path	Vendor	
E Des	🕒 ZX-0054_A	14.04.2016 00:07	Solid Edge Part Do	353 KB	D:\SolidEdge\ST9\	ACME	
🐌 Dov	🕒 ZX-0051_A	14.04.2016 00:08	Solid Edge Part Do	379 KB	D:\SolidEdge\ST9\	ACME	
📜 Rec	🐚 ZX-0050_A	14.04.2016 00:08	Solid Edge Part Do	288 KB	D:\SolidEdge\ST9\	ACME	
	🔄 ZX-0138_A	14.04.2016 00:07	Solid Edge Part Do	258 KB	D:\SolidEdge\ST9\	ACME	
📜 Libra	🔄 ZX-0137_A	14.04.2016 00:07	Solid Edge Part Do	229 KB	D:\SolidEdge\ST9\	ACME	
🖹 Do 🇮	🐚 ZX-0121_A	14.04.2016 00:07	Solid Edge Part Do	221 KB	D:\SolidEdge\ST9\	ACME	
að Mu	🐚 ZX-0120_A	14.04.2016 00:07	Solid Edge Part Do	223 KB	D:\SolidEdge\ST9\	ACME	
📔 Pic	🐚 ZX-0116_A	14.04.2016 00:07	Solid Edge Part Do	332 KB	D:\SolidEdge\ST9\	ACME	
😸 Vid	🕒 ZX-0115_A	14.04.2016 00:07	Solid Edge Part Do	374 KB	D:\SolidEdge\ST9\	ACME	
	🐚 ZX-0049_A	14.04.2016 00:08	Solid Edge Part Do	350 KB	D:\SolidEdge\ST9\	ACME	
🖳 DEH4	🐚 ZX-0048_A	14.04.2016 00:08	Solid Edge Part Do	179 KB	D:\SolidEdge\ST9\	ACME	
🏜 Sys	🐚 ZX-0024_A	14.04.2016 00:08	Solid Edge Part Do	200 KB	D:\SolidEdge\ST9\	ACME	
渡 Dat	🗐 ZX-0140_A	14.04.2016 00:07	Solid Edge Sheet	485 KB	D:\SolidEdge\ST9\	ACME	
🙀 ug_	🐚 ZX-0038_A	14.04.2016 00:07	Solid Edge Part Do	194 KB	D:\SolidEdge\ST9\	ACME	
👷 IR_I	🐚 ZX-0037_A	14.04.2016 00:08	Solid Edge Part Do	197 KB	D:\SolidEdge\ST9\	ACME	
file	国 ZX-0002_A	14.04.2016 00:08	Solid Edge Assem	293 KB	D:\SolidEdge\ST9\	ACME	
😡 se (🍸							

Fast Search in Solid Edge

In the Open file dialog click *Search*. If you browse for the folder to search in, colours indicate indexing. Green folders are indexed and ready for fast searching. Red folders are not indexed.

Search	X
My searches:	▼ Save Delete
Look in folder:	D:\SolidEdge\ST9\Built-in Data Management_Design Manager;D:\kunden\Jarge-asm;D:\SolidEdge\ 👻 Browse
	Search for results in subfolders
Criteria	Clear Criteria Clear All Tips
Proper Brow	rse
Filena	
	Available folders:
	System (C:)
	apps Autodiscover
' 🍹	IngresII
	Program Files Add >> Program Files (x86)
Results	SCT < <remove nager<="" td=""></remove>
Docur	SE-ST9 Remove All
	Users Windows
	windows
	OK Cancel Help
Results per pag	ge: Total Hits Results generated H Page 1 of H
	Close

In the Search dialog select a property from the list and define the search criteria.

ly searches:			▼ Save	Delete	
ok in folder: D:\SolidEdge	ST9\Built-in Data Management	_Design Manager \		- Brows	e
Search for	results in subfolders				
iteria			Clear Criter	ia Clear All	Tips
Property	Criteria				
Mfg Type	= "machined" OR "purch	ased"			
Title	contains "cover" OR "hou	ising"			
	•				
			Search	Cancel	Help
sults				Propert	ty Manager
Document Name	Address	Title	Last Modified	SEStatus	
Document Name				SEStatus	
Document Name MMF-00058-002_A.par	D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING	14.04.2016 00:0	SEStatus Available	
Document Name MMF-00058-002_A.par MMF-00072-002_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING	14.04.2016 00:0 14.04.2016 00:0	SEStatus Available Available	
Document Name MMF-00058-002_A.par MMF-00072-002_A.par MMF-00075-002_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0	SEStatus Available Available Available	
MMF-00058-002_A.par MMF-00072-002_A.par MMF-00075-002_A.par MMF-00079-002_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING	14.04.2016 00:0 14.04.2016 00:0	SEStatus Available Available	
Document Name MMF-00058-002_A.par MMF-00072-002_A.par MMF-00075-002_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0	SEStatus Available Available Available Available	
MMF-00058-002_A.par MMF-00072-002_A.par MMF-00075-002_A.par MMF-00079-002_A.par MMF-00103-002_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING CLEAR COVER	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0	SEStatus Available Available Available Available Available	
MMF-00058-002_A.par MMF-00072-002_A.par MMF-00075-002_A.par MMF-00079-002_A.par MMF-00103-002_A.par MMF-00103-002_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING CLEAR COVER BATTERY TERMINAL	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0	SEStatus Available Available Available Available Available Available	
MMF-00058-002_A.par MMF-00072-002_A.par MMF-00075-002_A.par MMF-00079-002_A.par MMF-00103-002_A.par MMF-00231-002_A.par ZX-0128_A.par	D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING CLEAR COVER BATTERY TERMINAL SIDE COVER	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 27.04.2017 14:1	SEStatus Available Available Available Available Available Available Available	
Document Name MMF-00058-002_A.par MMF-00072-002_A.par MMF-00079-002_A.par MMF-00103-002_A.par MMF-00231-002_A.par ZX-0128_A.par ZX-0129_A.par	D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING CLEAR COVER BATTERY TERMINAL SIDE COVER LEFT SIDE COVER	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 27.04.2017 14:1 27.04.2017 14:1	SEStatus Available Available Available Available Available Available Available Available	
Document Name MMF-00058-002_A.par MMF-00072-002_A.par MMF-00079-002_A.par MMF-00103-002_A.par MMF-00231-002_A.par ZX-0128_A.par ZX-0128_A.par ZX-0129_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING CLEAR COVER BATTERY TERMINAL SIDE COVER LEFT SIDE COVER RIGHT SIDE COVER	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 27.04.2017 14:1 27.04.2017 14:1 27.04.2017 14:1	SEStatus Available Available Available Available Available Available Available Available Available	
Document Name MMF-00058-002_A.par MMF-00072-002_A.par MMF-00079-002_A.par MMF-00103-002_A.par MMF-00231-002_A.par ZX-0128_A.par ZX-0128_A.par ZX-0129_A.par	D:\SolidEdge\ST9\Buil D:\SolidEdge\ST9\Buil	UPPER GREY HOUSING COVER HOUSING BASE UPPER HOUSING CLEAR COVER BATTERY TERMINAL SIDE COVER LEFT SIDE COVER RIGHT SIDE COVER	14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 14.04.2016 00:0 27.04.2017 14:1 27.04.2017 14:1 27.04.2017 14:1	SEStatus Available Available Available Available Available Available Available Available Available	

You can start *Property Manager* on the list of found files to see more properties to find and open the file you need.

s of type: Files (*.*)		No levels BOM view						
Document Name	Last Save Date	Title	Document Number	Revision	Project Name	SEStatus	File Type	Mfg 🛆
🔄 ZX-0128_A.par	04.03.2016 21:53:38	SIDE COVER	ZX-0128	Α	ZUMEX JUICER	Available	Solid Edge Part Document	Machined
📮 ZX-0129_A.par	04.03.2016 21:54:28	LEFT SIDE COVER	ZX-0129	Α	ZUMEX JUICER	Available	Solid Edge Part Document	Machined
MMF-00058-002_A.par	25.06.2015 17:57:11	UPPER GREY HOUSING	MMF-00058-002	А	Master Mover	Available	Solid Edge Part Document	Purchased
MMF-00072-002_A.par	15.06.2015 15:04:41	COVER	MMF-00072-002	A	Master Mover	Available	Solid Edge Part Document	Purchased
MMF-00075-002_A.par	23.06.2015 18:56:25	HOUSING BASE	MMF-00075-002	Α	Master Mover	Available	Solid Edge Part Document	Purchased
MMF-00079-002_A.par	23.06.2015 18:55:21	UPPER HOUSING	MMF-00079-002	Α	Master Mover	Available	Solid Edge Part Document	Purchased
MMF-00103-002_A.par	26.06.2015 20:57:06	CLEAR COVER	MMF-00103-002	Α	Master Mover	Available	Solid Edge Part Document	Purchased
MMF-00231-002_A.par	15.06.2015 14:57:36	BATTERY TERMINAL COVER	MMF-00231-002	A	Master Mover	Available	Solid Edge Part Document	Purchased
📮 ZX-0131_A.par	05.08.2015 18:46:37	RIGHT SIDE COVER	ZX-0131	А	ZUMEX JUICER	Available	Solid Edge Part Document	Purchased
📮 ZX-0132_A.par	23.03.2016 17:53:58	LEFT SIDE COVER B	ZX-0132	А	ZUMEX JUICER	Available	Solid Edge Part Document	Purchased