

Batch Property Material Training(Export)

Batch Property Material_Training(Export).zip



Batch Property Material - Overview



Main Functions

- Check properties and materials for multiple files in a single operation
- Export/Import properties by Excel
- Create multiple charts according to various properties



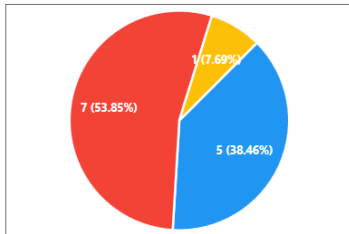
Benefits

- Reduce the amount of time when users are trying to create a part list
- Improve the efficiency of reviews for a model using a chart



Course Objective: Follow instructions step-by-step and learn how to use Batch Property Material.

Chart



Save image

Refresh

Update

6061 Alloy	Chrome Material<Null>	Stainless Steel
PB104F-6, LSD ...	LSD HYD Pisto...	3784C, Aux, Fo...
PB12-6, LSD HY...	6304 Roller Bea...	
PB13-6, LSD C...	37089-84L, 5-sp...	
PB104C-56, Cas...	Washer and Ne...	
PB104N-6, Top ...	Bleeder Valve p...	
	DRAIN PLUG ()	

Part / Material

Close

Transmission.xlsx - Excel

File Path	File Type	Confir Name	Qty	DESCRIPTION	MATERIAL	PART NUMBER	Created By	Project	Make or Buy	Revision	Desc1	Desc2	Vendor
	CHUserW Assembly		1	3718.728									
6, LSD #1 Door mm	CHUserW Part		1	647883 6061 Alloy									
LSD HYD Cover	CHUserW Part		1	108107 6061 Alloy		PE10-6	Jan P80gen	Male	A&D				
LSD C/S End Cap	CHUserW Part		1	0.08 6061 Alloy									
2 Piston Pin 134-8L	CHUserW Part		1	0.04 Material (not specifi)									
1er Bearing	CHUserW Part		2	0.04 Material (not specifi)									
8-484 pin/rod	CHUserW Part		1	8.05 Material (not specifi)									
and Needle Bearing Stack for Mechanical Rod	CHUserW Part		1	0 Material (not specifi)									
Valve pin 36-608	CHUserW Part		1	0.4 Material (not specifi)									
RLUG	CHUserW Part		1	0 Material (not specifi)									
Aux. Pin Rod	CHUserW Part		3	0.018 Chrome Stainless Steel							18-8 Stainless Steel	Cup Point Set Screw	M&M Master-Carr Supply Company
30L Case mm	CHUserW Part		1	2325 152 6061 Alloy									
er Assembly	CHUserW Assembly		1	0.58									
18 Top Cover	CHUserW Part		1	0.97 6061 Alloy									
PE1-043	CHUserW Part		1	0 Material (not specifi)									

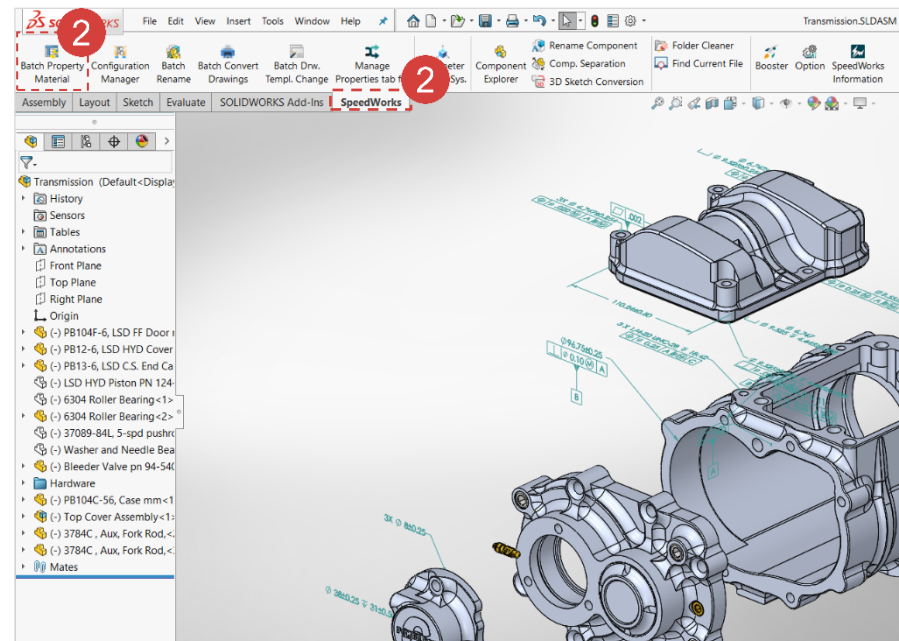
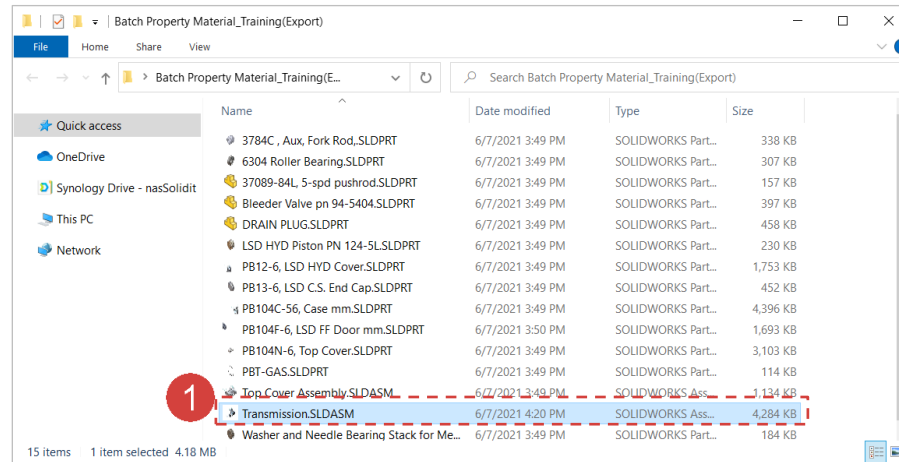
6-25-2021

Batch Property Material - Execute

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

1 Execute **Transmission.SLDASM** file among example files.

2 Click **[SpeedWorks]tab - [Batch Property Material]**

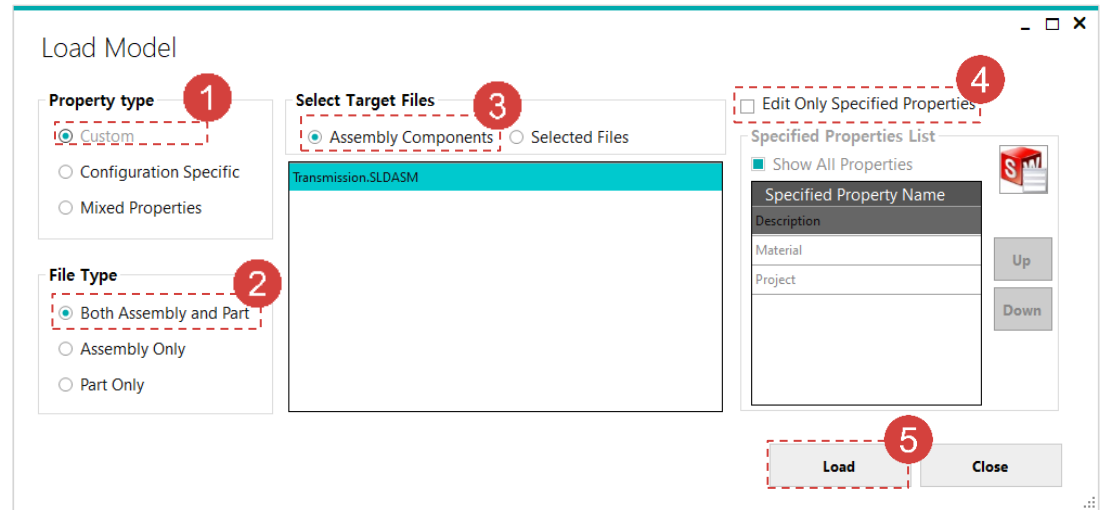


※ You can download example files at Support page in SpeedWorks Homepage(<http://speedworks.info>).

Batch Property Material - Load Model

Work on the part with the red circle (1) following instructions by yourself.
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- 1 [Property Type]: Check [Custom].
- 2 [File Type]: Check [Both Assembly and Part].
- 3 [Select Target Files]: Check [Assembly Components].
- 4 Uncheck [Edit Only Specified Properties].
- 5 Click [Load] button to load model information.
- 6 Click [Property Column]tab - [Chart] button.



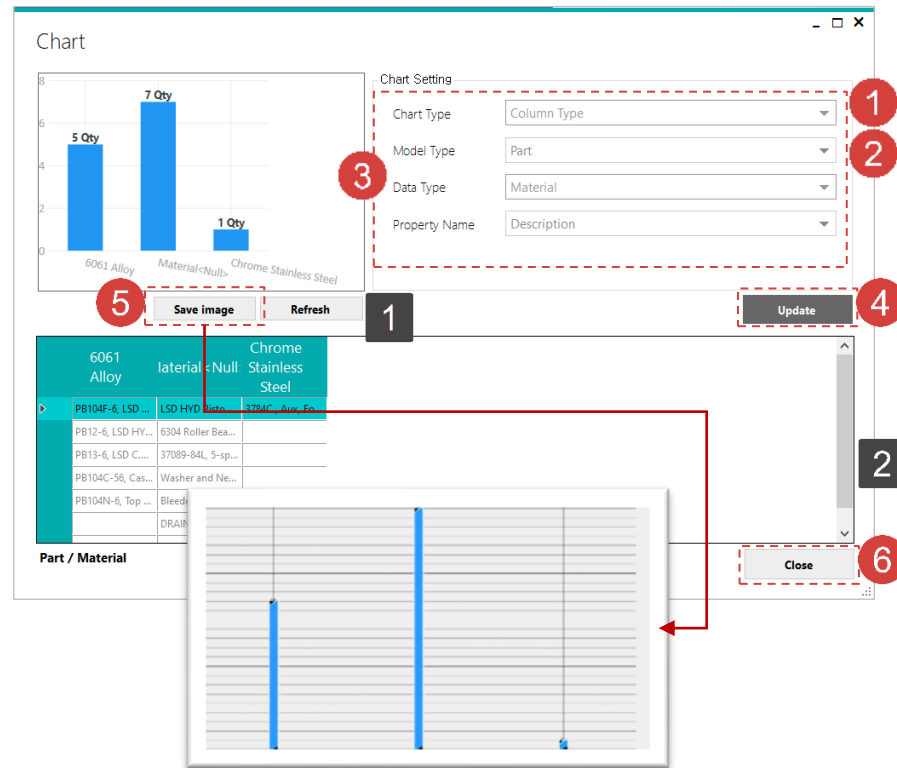
Property Material Editor v2.2.0

Th	File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created By
1	Transmission	C:\Users...	Assembly		1	*SW-Mass...			
2	PB104F-6, LSD FF...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
3	PB12-6, LSD HYD ...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...	PB12-6	Ian Pilkington
4	PB13-6, LSD C.S....	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
5	LSD HYD Piston P...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
6	6304 Roller Bearing	C:\Users...	Part		2	*SW-Mass...	*SW-Materi...		
7	37089-84L, 5-spd ...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
8	Washer and Needl...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
9	Bleeder Valve pn 9...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
10	DRAIN PLUG	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
11	3784C , Aux., Fork ...	C:\Users...	Part		3	*SW-Mass...	*SW-Materi...		
12	PB104C-56, Case ...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
13	Top Cover Assembly	C:\Users...	Assembly		1	*SW-Mass...			
14	PB104N-6, Top C...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		
15	PBT-GAS	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...		

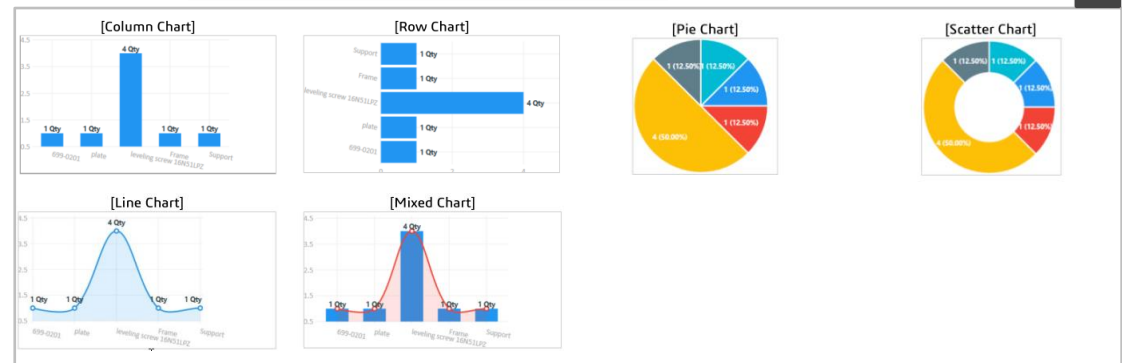
Batch Property Material - Save Chart Image

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

- 1 [Chart Type]: select the 'Column Type'.
- 2 [Model Type]: select 'Part'.
- 3 [Data Type]: select 'Material'.
- 4 Click [Update] button.
- 5 Click [Save Image] button.
- 6 Click [Close] button to close chart window.



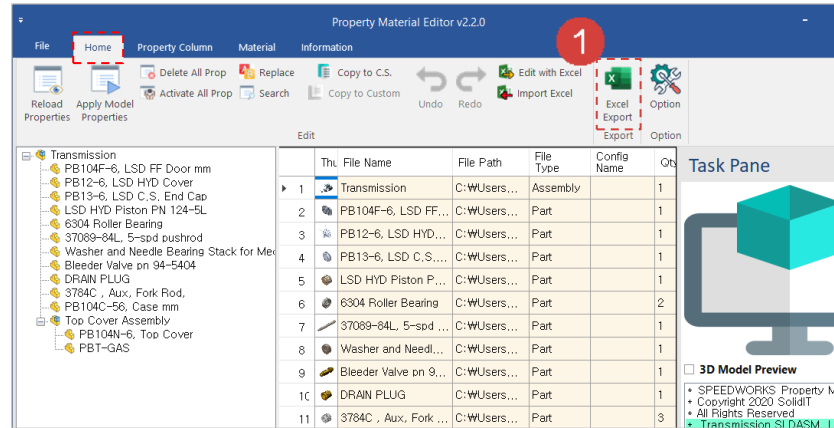
- 1 [Refresh]: Adjust the chart according to maximum values for X-axis and Y-axis, respectively. If the type of X-axis is character, the maximum values for X-axis is equal to the number of data for X-axis.
- 2 A .Png file will be saved in the working directory.
- 3 The various types of chart are available in SpeedWorks.



Batch Property Material - Excel Export

Work on the part with the red circle (1) following instructions by yourself.
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1 Click [Home]tab - [Excel Export].



1 [Preview Img Size]: Users can set the size of thumbnail image which is added to an Excel file.

2 [Check All/Clear All]: check/uncheck all items in the list.

3 [Column Name]: Property name for current file.

4 [Export Name]: Users can rename the name of property which will be written in an Excel file.

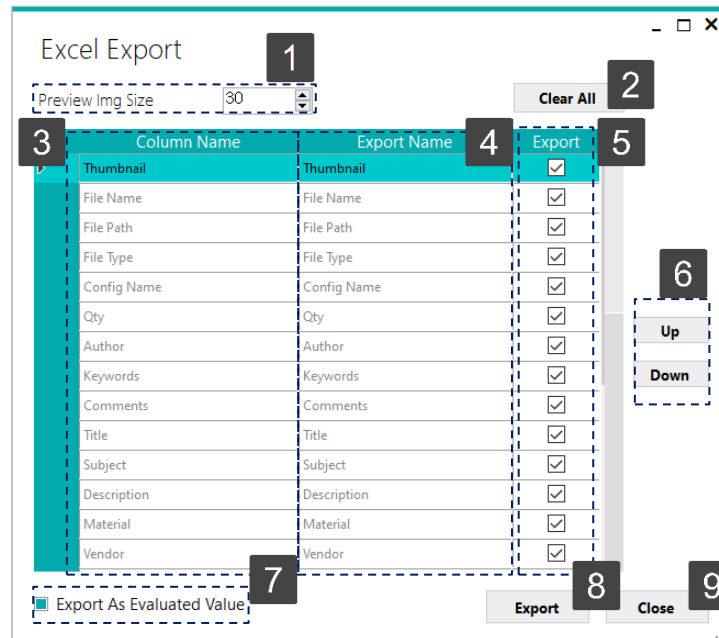
5 [Export target]: Users can select the property which users want to export.

6 [Up/Down]: Users can edit the order of properties.

7 [Export As Evaluated Value]: When export, evaluated value property is displayed as its value.

8 [Export]: Create an Excel file with current set.

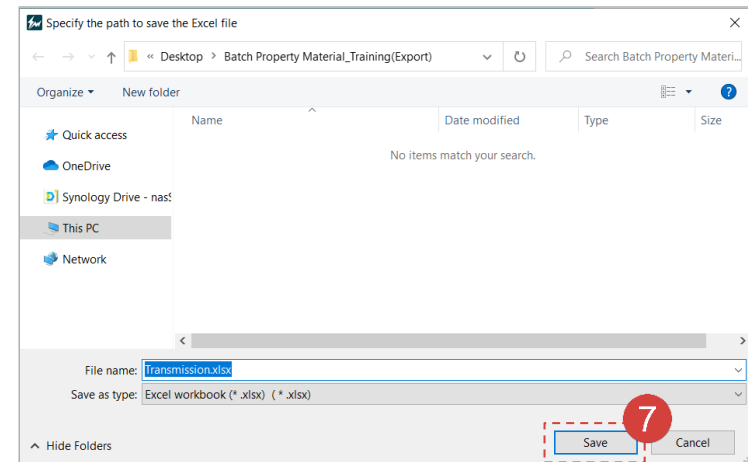
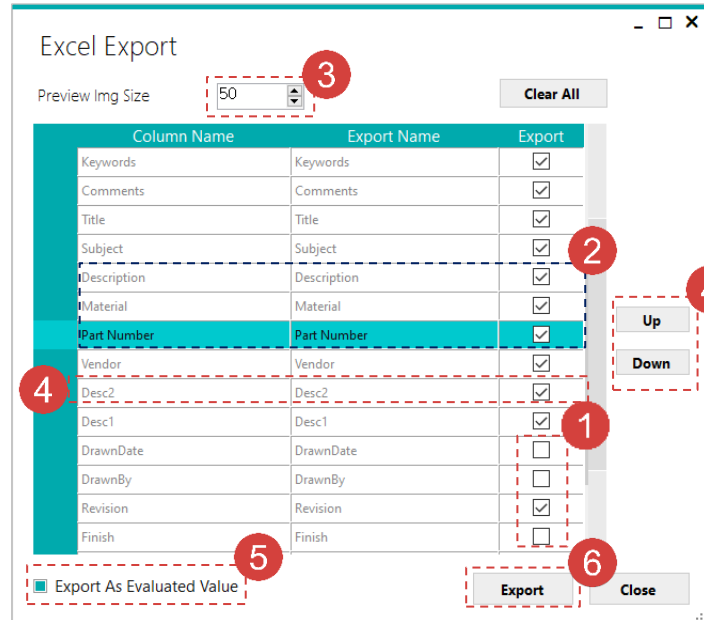
9 [Close] : Close [Excel Export] window.



Batch Property Material - Export setting

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

- 1 Uncheck **[Finish, Drawn by, Drawn Date]** .
- 2 Change the **[Export Name]** of the items in the black-dashed box to capital letters.
- 3 Change **[Preview Img Size]** to 50 from 30.
- 4 Select **[Project]** and place it between **[Qty]** and **[Description]** using by **[Up]**.
- 5 Check **[Export As Evaluated Value]**.
- 6 Click **[Export]** button.
- 7 Select a directory to save, and then click **[Save]** button.


















Batch Property Material - Exported Output

Work on the part with the red circle (1) following instructions by yourself.
The part with the black square (1) is an additional explanation or a reference.

1 Open the excel file and then check the results.

1 When [Export As Evaluated Value] is checked.

2 When [Export As Evaluated Value] is not checked.

1	Thumbnail	File Name	File Type	Config Name	Qty	Author	Keywords	Comments	Title	Subject	Description	Material	Part	Vendor	Desc2	Desc1	Revision	Make or Buy	Project	Created
2		Transmission	D/W	Assembly	1	Sim	Alloy	ISO-0001-02	PRD-001	AS_002	3713.727			1						
3		PB104H-6, LSD FF Door Inn	D/W	Part	1						647.881	6061 Alloy								
4		PB12-6, LSD HYD Cover	D/W	Part	1						169.167	6061 Alloy								
5		PB13-6, LSD C.S. End Cap	D/W	Part	1						0.09	6061 Alloy								
6		LSD HYD Piston Pin 124-St	D/W	Part	1						0.04	Material -not specified-								
7		6304 Roller Bearing	D/W	Part	2						0.0	Material -not specified-								
8		3703B-B4L, 5-spd pushrod	D/W	Part	1						5.05	Material -not specified-								
9		Washer and Needle Bearing Stack for Mechanical Rod	D/W	Part	1						0	Material -not specified-								
10		Reefer Valve pin 94-5404	D/W	Part	1						0.4	Material -not specified-								
11		DRAIN PLUG	D/W	Part	1						0	Material -not specified-								
12		3784C - Axle Fork Rod	D/W	Part	3						0.015	Chrome Stainless Steel								
13		PB104C-56, Case Inn	D/W	Part	1						2325.164	6061 Alloy								
14		Top Cover Assembly	D/W	Assembly	1						0.06									
15		PB104H-6, Top Cover	D/W	Part	1						0.07	6061 Alloy								
16		PB1-GAS	D/W	Part	1						0	Material -not specified-								