

# Batch Property Material Training(Property)

Batch Property Material\_Training(Property).zip



# Batch Property Material - Overview

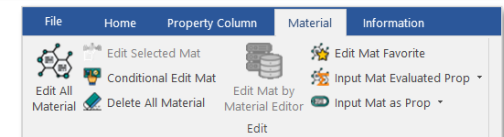
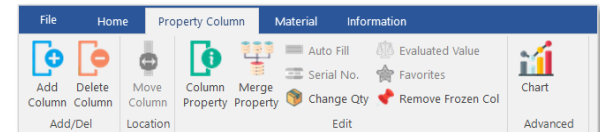
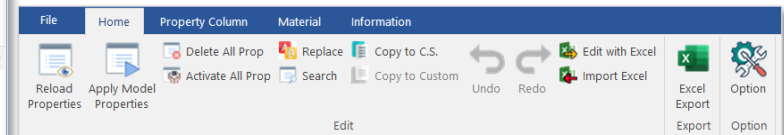
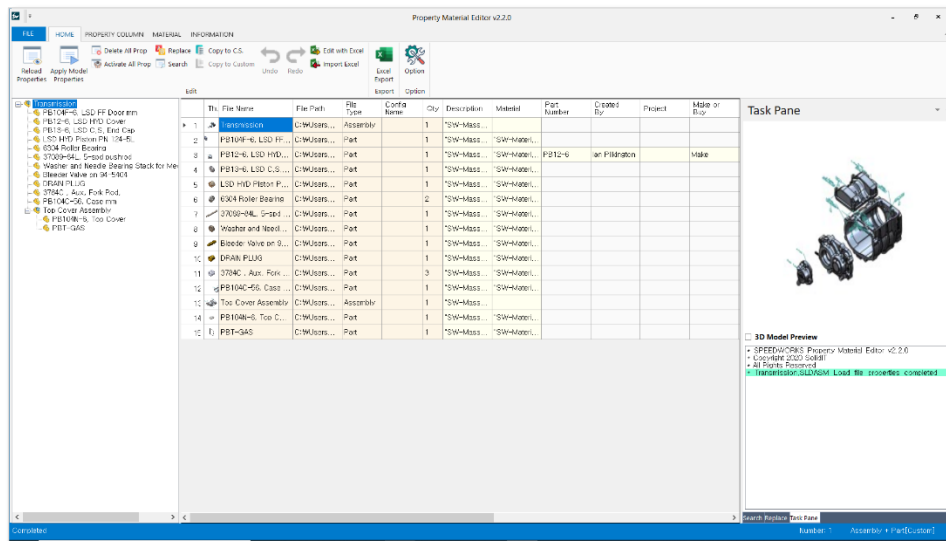
## Main Functions

- Edit various properties of multiple files in a single operation
- Export and import properties by Excel
- Load the data which is set as Favorites

## Benefits

- Efficiently edit, modify, and delete the properties of multiple files
- Directly create an Excel file containing parts list without multiple manipulations
- Easily add or delete properties into target files

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

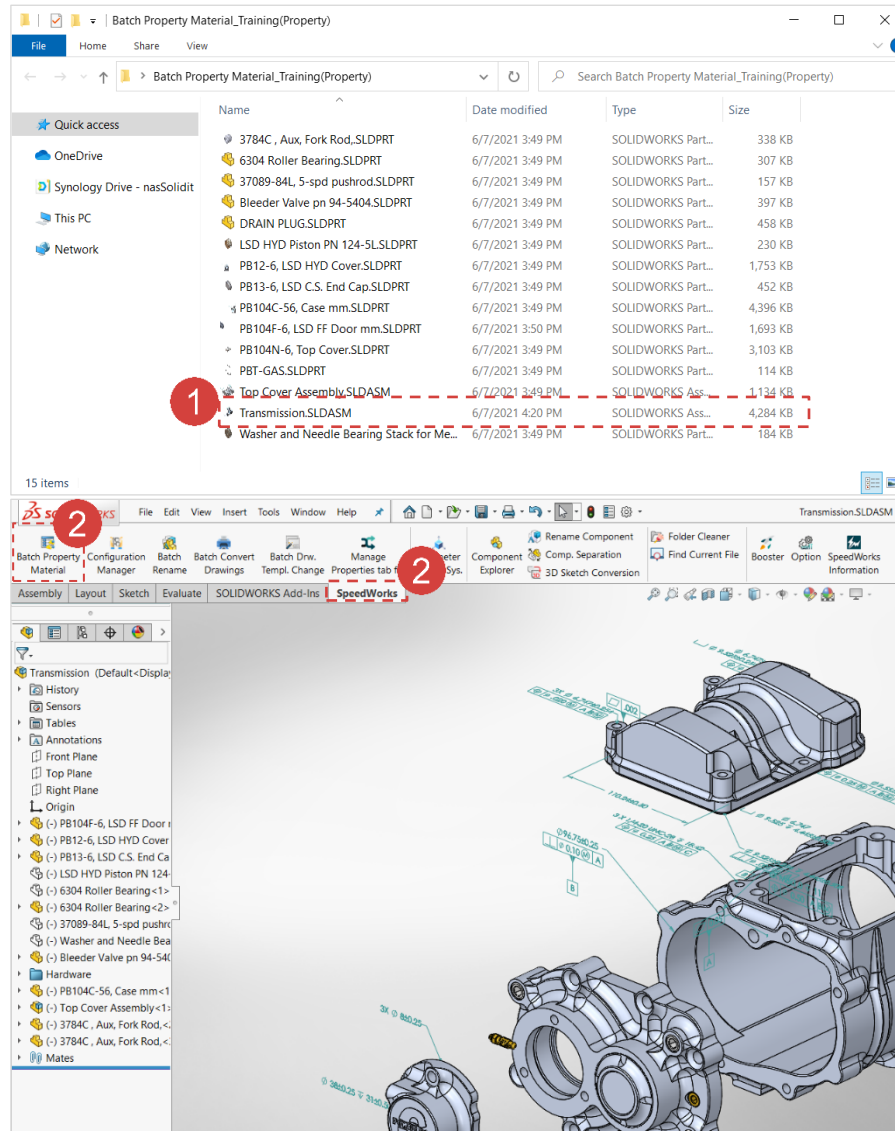


## Batch Property Material - Execute

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]

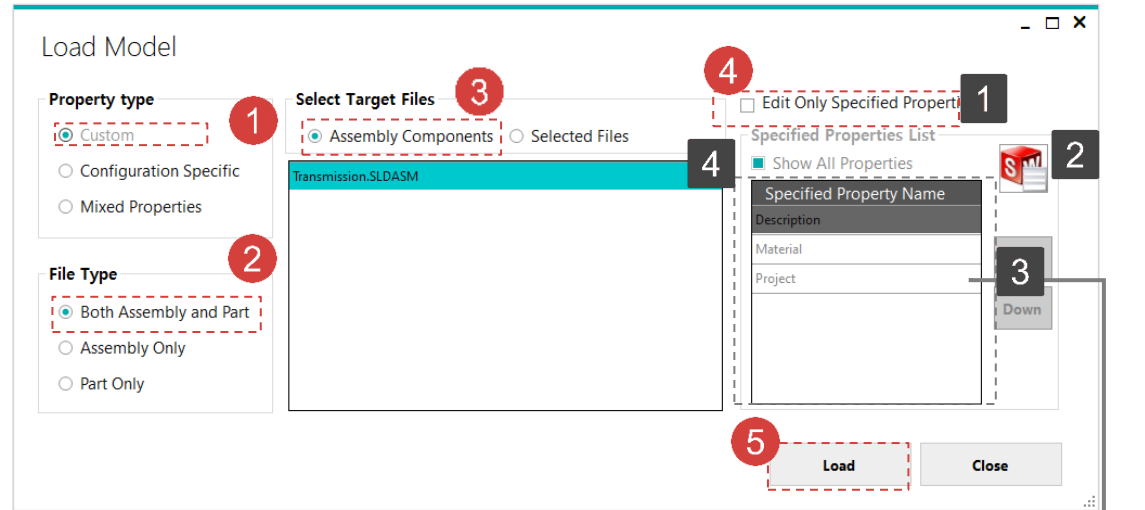


※ You can download example files at Support page in SpeedWorks Homepage(<http://speedworks.info>).

## Batch Property Material - Load Model

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

- 1 [Property Type]: check [Custom].
- 2 [File Type]: check [Both Assembly and Part] as edit target file type.
- 3 [Select Target Files]: check [Assembly Components].
- 4 Do not check [Edit Only Specified Properties].
- 5 Click [Load] button for load current settings.



- 1 **Edit Only Specified Properties:** If you check it, [Specified Property List] is activated.
- 2 **Load Manage properties tab file:** This function is used to load custom properties. If you successfully load them, automatically add those properties to [Specified Property List]
- 3 **Specified Property List:** When specific properties are considered, users manage to select the properties in the list.
- 4 **Fix Properties:** Even though a name of property does not exist in a model, it will be considered.

💡 If property value that does not exist in the file, the cell is inactive. An inactive cell must be activated before editing or inserting a value. How to activate a cell is explained in the following instructions.

	Th.	File Name	File Path	File Type	Config Name	Qty	Author	Keywords	Comments	Title	Subject	Description	Material	Project
1		Transmission	D:\TestW...	Assembly		1								
2		PB104F-6, LSD FF...	D:\TestW...	Part		1								
3		PB12-6, LSD HYD...	D:\TestW...	Part		1							*SW-Materi...	
4		PB13-6, LSD C.S...	D:\TestW...	Part		1								
5		LSD HYD Piston P...	D:\TestW...	Part		1								
6		6304 Roller Bearing	D:\TestW...	Part		2								
7		37089-84L, 5-spd ...	D:\TestW...	Part		1								

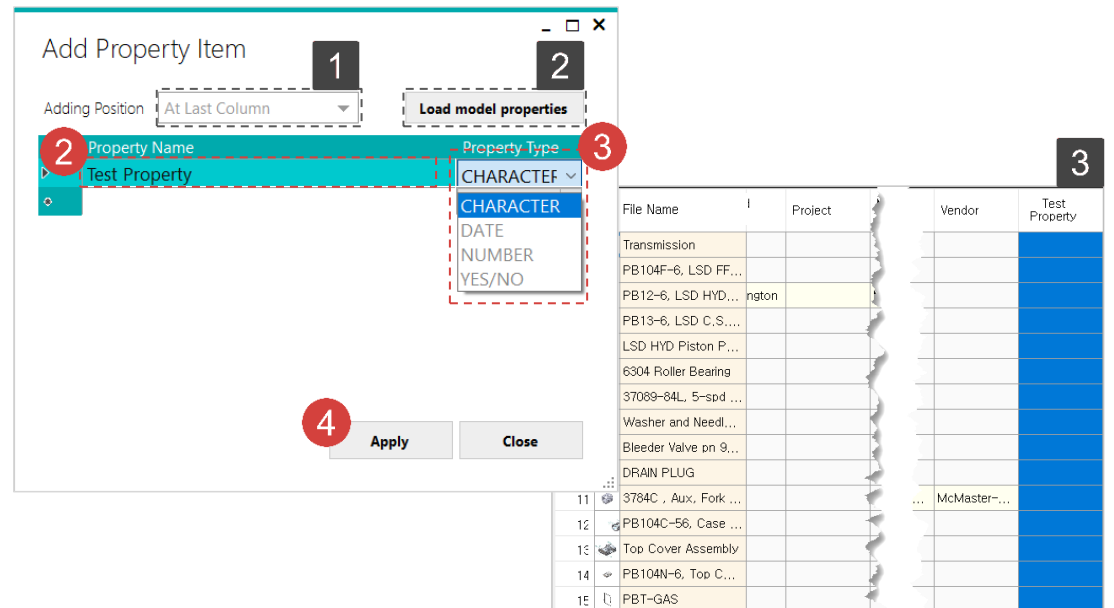
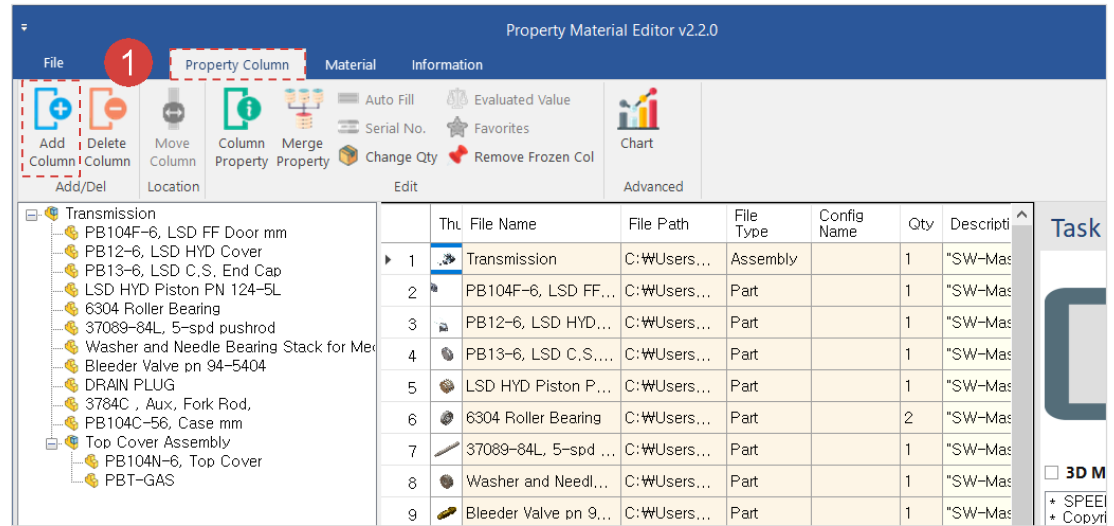
Cell Type	Color	Description	Edit
Frozen Column		File Information	X
Activated Prop		Property that is already in the file	O
Deactivated Prop		Property that is not in the file	X
Read-Only		Read-only file	X
Summary Prop		Summary Property	O



## Batch Property Material - Add Column

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 Click **[Property Column]** tab - **[Add Column]**
- 2 **[Property Name]**: To create new property, write **'Test Property'**.
- 3 **[Property Type]**: Select the property type as **'CHARACTER'**.
- 4 Click **[Apply]** button.



- 1 It indicates the position of adding item.
- 2 **[Load model properties]**: User manage to load the name of properties from another model file.
- 3 Test Property column has been created.

## Batch Property Material - Delete Column

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.

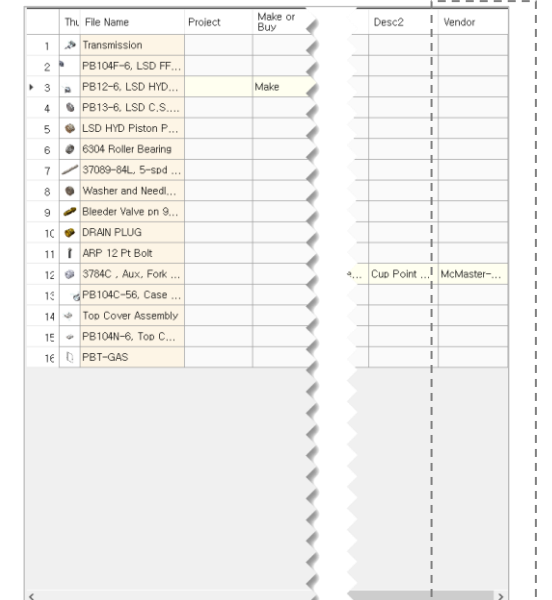
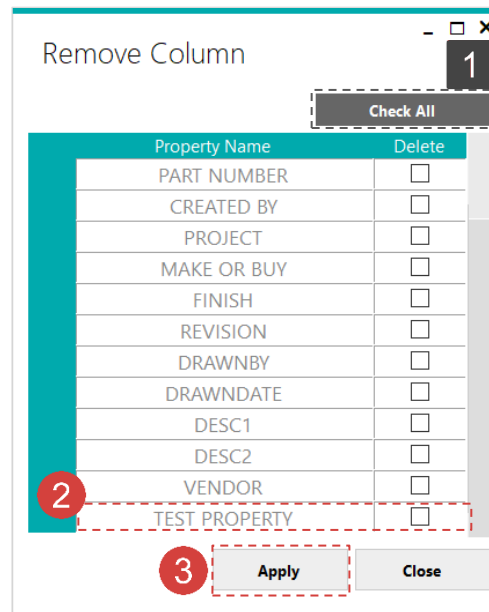
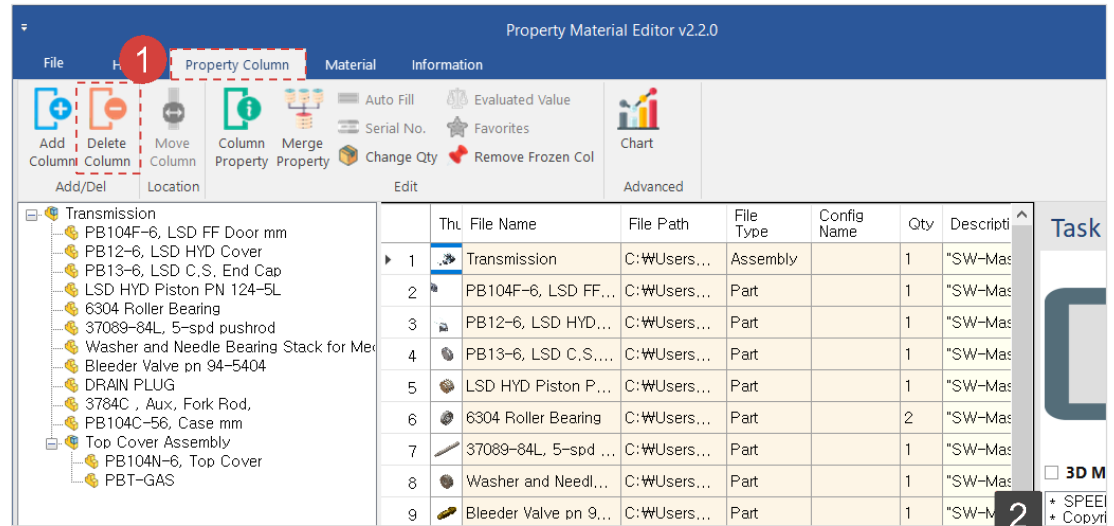
1 Click **[Property Column]**tab - **[Delete Column]**

2 Check **[Test Property]**.

3 Click **[Apply]** button.

1 **[Check All]/[Uncheck All]**: Check or Uncheck all properties at once.

2 **[Test Property]** has been deleted.



## Batch Property Material - Activate Cell

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 Click the column header of the [Project] to select the entire column.

2 Right-click column header and click [Activate All Prop].

⚙ If there is no properties in a file, a related column will be inactivated. However, if any cell in the column is activated, the property corresponding to the cell will be created in the model. Conversely, the property will be removed from the model when user delete a column or deactivate a cell.

1 The status of the column has been changed from inactive to active.

	Thu	File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created By	Project	Finish	Revis
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	Make		A,4
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...					

	Thu	File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created By	Project	Make or Buy	Finish	Revis
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			A,4	
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...						

	Thu	File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created By	Project	Make or Buy	Finish	Revis
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	Make		A,4	
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 - Inactivate Cell

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 Drag the cells under the 4<sup>th</sup> row in the **[Project]** column.

2 Right click any cell among selected cells and select **[Delete Property]**.

Properties are only created in the model when the cell is activated. A property is deleted when any cell in the chosen column is inactivated.

1 Cells have been inactivated.

	Th. File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created By	Project	Make or Buy	Finish	Revis
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		Make		A,4
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 on 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...						

	Th. File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created By	Project	Make or Buy	Finish	Revis
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		Make		A,4
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 on 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...							
15	PBT-GAS	C:\Users...	Part		1	*SW-Mass...							

수	일	Description	Material	Part Number	Created By	Project	Make or Buy	Finish	Revis
1		*SW-Mass...							
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...	PB12-6	Ian Pilkington		Make		A,4
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
2		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
3		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						
1		*SW-Mass...	*SW-Materi...						







## Batch Property Material – Edit Property Value

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 Activate all properties of **Transmission assembly** file.
- 2 Insert **'AT\_test01'** into **[Part Number]** property.
- 3 To add Favorite, right click any cell in Project column and select **[Favorite] – [Add To Favorite]**.
- 4 Select **[Project]** property to add Favorite and click **[Add]** button. Insert **'test value'** in property value area.
- 5 Click **[Apply]**.
- 6 Right click (**[PB12-6,LSD HYD Cover]** row, **[Project]** column) , and click **[Favorite] – [test value]**.
- 7 Drag to select values **from [Created By] to [Make or Buy]** for **PB12-6,LSD HYD Cover.SLDPRT**, and Push Control + C to copy those values.
- 8 Select **[Created By]** cell of Transmission item, and Push Control + V to paste the values.

	Thru	File Name	File Path	File Type	Config Name	Qty	Description	Material	Part Number	Created	Project	Make or Buy
▶ 1		Transmission	C:\Users...	Assembly		1	*SW-Mass...		AI_test01	2		
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		Make
4		PB13-6, LSD C.S...	C:\Users...	Part		1	*SW-Mass...	*SW-Materi...				

The screenshot displays the 'Property Material Editor Options' dialog box and the main application window. The dialog box has a 'General' tab and a 'Property Value' section. The 'Property Value' section contains a dropdown menu for 'Project' and an 'Add' button. The main application window shows a table with columns: File Type, Config Name, Qty, Description, Material, Part Number, Created By, Project, Make or Buy, Finish, and Revision. The table contains data for various parts, including 'Transmission', 'PB104F-6, LSD FF...', 'PB12-6, LSD HYD...', and 'PB13-6, LSD C.S...'. Red dashed boxes and numbers 1 through 8 highlight specific elements: 1. 'Project' dropdown in the dialog; 2. 'Add' button in the dialog; 3. 'Add To Favorites' button in the dialog; 4. 'Load' button in the dialog; 5. 'Tab Builder' button in the dialog; 6. 'Copy' button in the context menu; 7. 'Project' cell in the table; 8. 'Make or Buy' cell in the table.

## Batch Property Material - Apply Change

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 Click [Home] tab - [Apply Model Properties].
- 2 After modification is completed, [Apply complete] window are displayed. Click [OK] to close.

Property Material Editor v2.2.0

File Home 1 ty Column Material Information

Reload Apply Model Properties Activate All Prop Search Copy to C.S. Copy to Custom Undo Redo Edit with Excel Import Excel Excel Export Option

Transmission

- PB104F-6, LSD FF Door mm
- PB12-6, LSD HYD Cover
- PB13-6, LSD C.S. End Cap
- LSD HYD Piston PN 124-SL
- 6304 Roller Bearing
- 37089-84L, 5-spd pushrod
- Washer and Needle Bearing Stack for Mechanic
- Bleeder Valve pn 94-5404
- DRAIN PLUG
- 3784C, Aux. Fork Rod
- PB104C-56, Case mm
- Top Cover Assembly
- PB104N-6, Top Cover
- PBT-GAS

Th	File Name	File Type	Config Name	Qty	Description	Material	Part Number	Created By	Project	Make or Buy
1	Transmission	Assembly		1	*SW-Mass...		AT_test01	Ian Pilkington	test value	Make
2	PB104F-6, LSD FF...	Part		1	*SW-Mass...	*SW-Materi...				
3	PB12-6, LSD HYD...	Part		1	*SW-Mass...	*SW-Materi...	PB12-6	Ian Pilkington	test value	Make
4	PB13-6, LSD C.S....	Part		1	*SW-Mass...	*SW-Materi...				
5	LSD HYD Piston P...	Part		1	*SW-Mass...	*SW-Materi...				
6	6304 Roller Bearing	Part		2	*SW-Mass...	*SW-Materi...				
7	37089-84L, 5-spd ...	Part		1	*SW-Mass...	*SW-Materi...				
8	Washer and Needl...	Part		1	*SW-Mass...	*SW-Materi...				
9	Bleeder Valve pn 9...	Part		1	*SW-M...					
10	DRAIN PLUG	Part		1	*SW-M...					
11	3784C, Aux. Fork ...	Part		3	*SW-M...					
12	PB104C-56, Case ...	Part		1	*SW-M...					
13	Top Cover Assembly	Assembly		1	*SW-M...					
14	PB104N-6, Top C...	Part		1	*SW-M...					
15	PBT-GAS	Part		1	*SW-M...					

Apply complete

3 file have been adapted.

OK

Summary Information

Summary Custom Configuration Specific

Delete BOM quantity: - None - Edit List

	Property Name	Type	Value / Text Expression	Evaluated Value
1	Description	Text	*SW-Mass@Transmission.SLDASM	3713.728
2	Material	Text		
3	<Type a new property>			

	Property Name	Type	Value / Text Expression	Evaluated Value
5	Desc2	Text		
6	Desc1	Text		
7	DrawnDate	Text		
8	DrawnBy	Text		
9	Revision	Text		
10	Finish	Text		
11	Make or Buy	Text	Make	Make
12	Created By	Text	Ian Pilkington	Ian Pilkington
13	Part Number	Text	AT_test01	AT_test01
14	<Type a new property>			

- 1 Before editing the properties of **Transmission**.
- 2 After editing the properties of **Transmission**.