

Assembly Validation

Purpose: To validate and update multiple parts from the assembly

Functions:

- The tool will extract properties from the presently opened assembly file and display them in the "Current details" section.
- Any variations in properties when compared to the standard BEC Material Data Excel will be brought to attention by the tool.
- Users are provided with the choice to select new properties and apply them to their active parts or sheet metal files.

Constraint:

- The tool will work only with assembly files.
- The tool will read only top-level parts.

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User Interface Guide:

1. Open the desired assembly in Solid Edge launch the Automation tool and access the Assembly validation tool by clicking on it.
2. Click "Get BEC Material Data" to read BEC Material Data and fetch assembly parts
3. Click on part to get current properties under current details
4. Users can search by part properties using the search option.
5. Select material from the dropdown to assign new material user can also assign a gage table from the dropdown for sheet metal
6. Click Apply button to assign new properties to part
7. Click the refresh button to reset the tool.
8. Close the tool to use other tools if needed

The screenshot shows the 'Assembly Validation' tool interface. On the left is a dark sidebar with a menu: '+ Add/ Update', 'Virtual Structure', 'New Part Creation', 'Part/ Sheet-Metal Update', 'Assembly Validation' (highlighted with a blue bar and callout 1), 'Design', 'QC Report', and 'Configuration'. The main area is titled 'Assembly Validation' and contains a 'BEC Material Path' field with a file path, a 'Browse' button, and a 'Get Current Assembly Data' button (callout 2). Below this is a table with columns 'Sr', 'ParentDocumentName', 'ParentName', 'PartType', and 'Size'. It lists six parts, with the first highlighted in blue (callout 3). Below the table is a large grey area with a search bar and a magnifying glass icon (callout 4). To the right of the table are two columns of 'Current details' for each part, including fields for Material Used, Size, Grade, Gage Name, Thickness(inch), Part Type, Material Spec, BEC Material, Bend Radius, and Bend Type. A 'Category' dropdown is set to 'SheetMetal' (callout 5). At the bottom right are three buttons: 'Refresh' (callout 7), 'Close' (callout 8), and 'Apply' (callout 6). The version '1.0.172' is shown in the bottom left corner.

Sr	ParentDocumentName	ParentName	PartType	Size
1	310-01207-1.asm	210-07114-1.psm	NA	
2	310-01207-1.asm	210-07111.psm	NA	
4	310-01207-1.asm	210-07729.psm	0	
5	310-01207-1.asm	210-07730.psm	0	
6	310-01207-1.asm	210-07731.psm	0	