

# Part File Validation

**Purpose :** To validate and update part and sheetmetal file properties

## **Functions:**

- The tool will detect active .par or .psm files automatically.
- The tool will fetch properties from the open part and display them under current part details.
- The tool will highlight mismatch properties with respect to standard BEC Material Data excel.
- Users can select new properties and apply them to active parts or sheet metal files.

## **Constraint:**

- The tool will work on one part at a time.
- The tool will only work on .psm and .part files.

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## User Interface Guide:

1. Open the desired part in Solid Edge and Activate the tool by clicking on it.
2. Assign BEC Material excel path to fetch standard data, skip this step if already assigned.
3. Click get BEC material data to fetch data from BEC material excel.
4. Users can filter new part detail by Material wise or by part type wise.
5. If the tool highlights any mismatch in current part details, the user can assign correct information under new part details Click
6. 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 Brookville Part/Sheet-Metal Update tool interface. The left sidebar contains navigation options: Add/Update, Virtual Structure, New Part Creation, Part/Sheet-Metal Update (highlighted with callout 1), Assembly Validation, Design, QC Report, and Configuration. The main area is titled 'Part/Sheet-Metal Update' and contains the following sections:

- Standard Part Details:** Includes a text field for 'BEC Material Excel Path' (with a 'Browse' button, callout 2) and a 'Get BEC Material Data' button (callout 3). A 'Category' dropdown is set to 'SheetMetal'.
- Part Properties:** Includes radio buttons for 'Part type wise' and 'Material wise' (callout 4).
- Current Part Details:** A table of fields including Part Type, Size, Grade, Gage Name, Material Thickness (inch), Bend Radius, Material Used, Material Spec, and BEC Material. The BEC Material field is highlighted in red (callout 7).
- New Part Details:** A table of fields including Material Used, Size, Grade, Bend Type, Gage Name, Material Thickness (inch), Bend Radius, Part Type, Material Spec, and BEC Material. The Material Used field is highlighted in blue (callout 5).

At the bottom, there are three buttons: 'Refresh' (callout 7), 'Close' (callout 8), and 'Apply' (callout 6). The version number '1.0.119' is displayed in the bottom left corner.