Virtual Structure

Technosoft Engineering
Innovation ★ Reliability ★ Flexibility

Purpose: Automating the creation of a top-level assembly structure (900 Level) by using BEC hedge/Excel data and incorporating reference assemblies to decrease dependence on the top-level assembly.

Functions:

- ➔ The tool fetches assembly titles & numbers from hedge excel
- ➔ Generate blank assembly structure in solid edge as per hedge Excel input
- ➔ The tool adds top-level reference assembly under each 810-level

Constraint:

- ➔ Any changes in the Hedge documents template can cause possible failure in the tool.

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User Interface Guide:

1. Launch the Automation tool and access the Virtual Structure tool by clicking on it.
2. Click the "Browse" button next to the hedge Excel path and choose the input hedge Excel file for the structure.
3. Click the "Browse" button next to the directory and designate the output folder for the assembly.
4. Once all paths are assigned, click the "Generate Assembly" button to initiate the process. Upon completion, the output assembly file will be available in the specified output folder.
5. If necessary, close the tool to use other tools.
6. Subsequently, users can copy and transfer the designed components to the appropriate reference assembly