



A Better Way to Configure...
...the Only Way to Design.

An International Value Manufacturer

Case Study:

Product: High reliability valves customized to exact tolerances for the Petrochemical, Pharmaceutical, Fine Chemicals, Biochemical, and mineral refining industries.

Problem: Solve a traditional configuration problem for a very large family of valves with a significant number of options.

Solution: Use Genus Designer's diagrammatic and declarative language to modularize and simplify sub-assemblies to tame the complexity inherent in such large variability.

Benefits

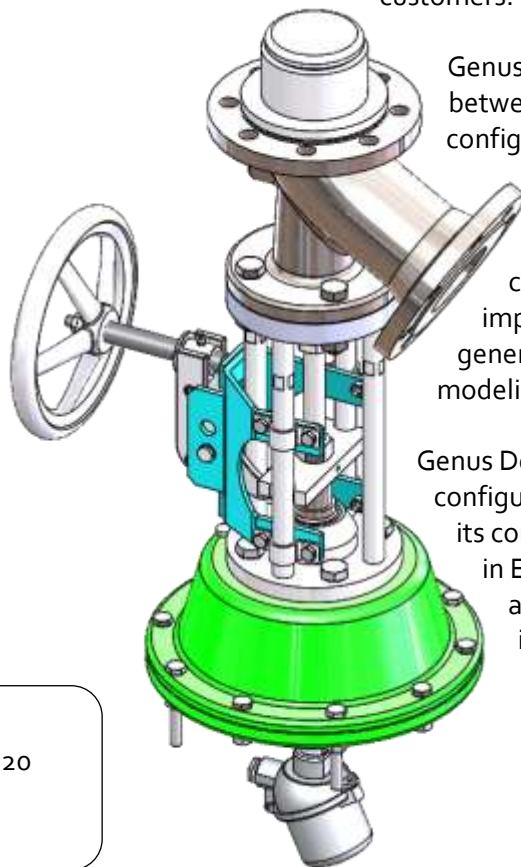
- ✓ Shorter time to Market
- ✓ Correct by Design
- ✓ Automates Drawings and BOM

This valve manufacture offers a highly variable set of sizes and options, like pneumatic or manual activation, stuffing box or metal bellows, position and temperature sensors, etc. to tailor its products to the specific requirements of its customers.

Genus Designer creates valves moving seamlessly between completely pre-built bodies, bodies with configurable flanges and totally custom bodies.

The disk valve application takes advantage of Genus Designer's unique ability to generatively compose an assembly into sub-assemblies that implement different configuration alternatives. By generatively adding only the specified options, the modeling is greatly simplified.

Genus Designer generates opened and closed configurations to assist the design engineers in verifying its correctness. It produces a detailed bill of materials in English and German as well as an auto-ballooned assembly drawing with all key components indexed to the BOM.

 Genus
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