



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



Case Study:

Product: Telescopic and single stage hydraulic cylinders for robust applications such as: dump trucks & trailers, refuse trucks, airline support/service equipment, compactors, balers, mining equipment & oil/gas platforms.

Problem: Slow design time and lack of accurate costing information made it difficult to protect profit margins. Table-ized drawing were not optimal for manufacturing to read.

Solution: Automate design with Genus Designer.

Benefits

- ✓ Maximizes re-use of existing components
- ✓ Improves communication with manufacturing using drawings to scale
- ✓ Protects profit margins by quoting quickly and accurately



Custom Hoists cut engineering design time of 1 to 6 stage hydraulic cylinders from days to just a few minutes.

How? Custom Hoists captured and standardized decades of engineering knowledge using Genus Designer's design automation language. Then, using this engineering knowledge and the customer's specification, Genus Designer executes the design to produce a CAD model, drawings and quotes, providing:

- faster turnaround and
- higher accuracy.

In addition, creating drawings to scale that made the designs easier for manufacturing to understand than the old table-ized drawings.

End results? Custom Hoist successfully automated their designs to generate fast, accurate quotes that included easy-to-read drawings.

1. Improved customer satisfaction
2. Protected profit margins
3. Improved internal communication



Engineering Design Automation

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