Tacton Design Automation

The Challenge

Custom engineering puts pressure on engineers to consistently deliver 2D/3D CAD data. As requirements change, updated or new 3D models and drawings must be constantly created, resulting in many hours of manual work. Without a suitable solution, proposals and drawings can be left to guesswork.

Our Solution

Tacton Design Automation automatically produces complete 2D drawings and 3D models of custom, configured products and parts needed freeing up engineering time for your employees to do what they do best, innovate.

Features and Benefits

Automatically produce 2D drawings and 3D models of custom products

Eliminate costly design errors with the configurator powered tool that offers the optimal solution

Embed Design Automation within your familiar CAD system Solidworks®, reducing the learning curve

Free up engineers to innovate your products by automating repetitive CAD tasks

Key Use Cases

Design Automation

- Maximize your CAD investment

- Dynamically generate configuration-specific 3D CAD models based on customer requirements

- Show customers the optimal product design

- Handle frequently changing customer requirements savely and error-free

Tacton Design Automation

Technical Specs

- Highly scalable – the stateless configuration engine handles complex models and high user loads with ease and speed

- All variables simultaneously considered. Ensures valid, error-free configuration – every time

Automating CAD Design

- Support relevant order processes such as Configure-to-Order (CTO), Engineering-to-Order (ETO)

- Fully embedded engineering tools inside the CAD environment

- Structured and intuitive point-and-click CAD mapping tool

- Instant mapping validation with inspections

Compatibility

- Compatible with Tacton CPQ integration for Salesforce, Microsoft Dynamics and SAP

- Installs easily out of the box

- Can be coupled with a web service for automated handling of requests

- Supports export of both native and all file formats supported by your CAD software

Support and Maintenance

- No programming or IT expertise needed

- Intuitive rules make it fast and easy to introduce and update products

- Access to Knowledge Base online support

Availability

- Solidworks®, Autodesk® Inventor®, PTC Creo®

Features

- Constraint-based configurator, Conflict resolution, Layout configuration (SW)

3D Updates

- Dimension value (SW, C), Parameter value (AI, C), Component suppression state, Feature suppression state, Mate/relationship state (SW, AI), Document replace (SW, AI), Configuration (SW), Color (SW), Material (SW, AI), Visibility state (SW), Exclude from BOM (SW, AI), Structural members (SW), Library feature (SW), Weldment profile (SW), iPart member (AI), Replace by interchange (C), Family table instance (C), Macros, Property (SW, AI)

2D Updates

- Drawing state, Scale, View scale, View size, View Position, Dimension/annotation position, Display style (SW), Rotation angle (SW), Referenced configuration (SW), Notes (SW), Dimension value (SW), Layer visibility, Block visibility (SW), Surface finish symbol (SW)

Have we aroused your interest?
Contact us. We are glad to advise you!
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