DIGITAL INDUSTRIES SOFTWARE

Using Solid Edge Inspector to minimize product development time

Increase automatic labeling of critical design characteristics by 80 percent

Benefits

- Minimizes product development time

- Increases automatic labeling of critical design characteristics by 80 percent

- Reduces cost by creating quality products the first time around

- Provides client with a "one vendor solution"

- Reduces inspection time

Summary

The process of manufacturing is long, laborious and often riddled with errors. Reliance on humans to identify, label and extract design information leaves a large margin for mistakes. Solid Edge® software, which is part of the Siemens Xcelerator portfolio, the comprehensive and integrated portfolio of software, hardware and services, provides an innovative and comprehensive approach to product development for the mainstream market.

Using Solid Edge Inspector software can save you time and money during the manufacturing process by cutting out the risk of human error. Solid Edge Inspector automatically labels, identifies and extracts critical design characteristics as well as generates inspection reports, such as first article inspections (FAI).

The automated nature of Solid Edge Inspector allows for a seamless downstream manufacturing process by eliminating errors that can occur further in the manufacturing process.
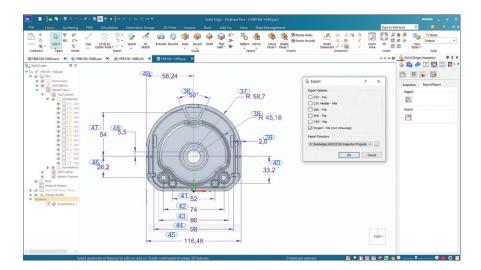
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Features

- Identifies design changes

- Automatically generates full characteristics list from dimensions and annotations

- Develops an automated design report

- Creates an FAI report from 3D PMIs and 2D drawing dimensions and annotations

- Integrates quality management system with quality data

Critical design characteristics

Solid Edge Inspector makes identifying design characteristics quick and effortless. Solid Edge Inspector houses the capabilities to automatically identify, label and extract critical design characteristics from 3D PMI and 2D drawings. This software eliminates human error that further improves the quality of the manufacturing process. Providing quality data leads to even higher quality management. You can ensure quality management by knowing that all design characteristics are documented and accounted for when it comes time for inspection.

The unique identifiers are the key to success in the manufacturing process. These identifiers, better known as balloons, provide the manufacturer with information that will be used throughout the lifecycle of the product. This feature is unique because the valuable information withheld in these identifiers will stay with the part, regardless of changes, modifications or iterations. You can transfer data that is withheld in the balloons into templates to generate FAI reports into Microsoft Excel.

In today's market, efficiency is more important than ever before. It is no secret that the longer a product or part takes to manufacture, the more money it costs. Solid Edge Inspector has unique design identifiers that make the manufacturing process as fast and efficient as possible. These automatic labeling of critical design characteristics are 80 percent faster than manual labeling methods.

First article inspection

First article inspection reports are paramount in the manufacturing process. These reports verify that a product or part has been inspected according to predetermined requirements. Often, making FAI reports is time-consuming, intense and unfortunately prone to errors. Solid Edge Inspector can not only generate these reports automatically, without error, but in a fraction of the time it would take a human. The FAI reports are automatically generated from the manufacturing data defined in the model or drawing. This further eliminates the margin for error.

Extending Value

Solid Edge software is an integrated set of powerful, comprehensive and accessible tools that advance all aspects of the product development process. Solid Edge addresses today's complex challenges with automated digital solutions that cultivate creativity and collaboration.

By harnessing the latest innovative technologies in mechanical and electrical design, simulation, manufacturing, publications, data management and cloud-based collaboration, using Solid Edge dramatically shortens time-to-market, provides greater production flexibility and significantly reduces costs with its collaborative and scalable solutions.

Minimum system configuration:

- Windows 10 Enterprise or Professional (64-bit only) version 1809 or later
- Java 8 and above, 64-bit
- 16 GB RAM
- 65K colors
- Screen resolution: 1920 x 1080
- 8.5 GB of disk space required for installation

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For additional numbers, click here.