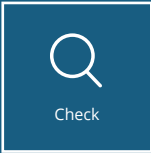


SF WALLCHECK

MECHANICAL DESIGN AUTOMATION



Analysis of critical wall thicknesses and distances

SF WALLCHECK, an extension for PTC Creo, is **the** tool for the fast and automated analysis of critical wall thicknesses and distances for components and assemblies in **PTC Creo**.

Avoid subsequent costs thanks to easy and accurate analysis of your CAD models

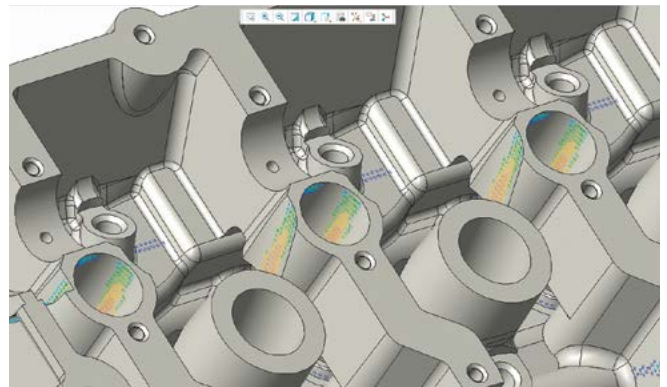
We help you perform a full check on all the critical areas of a CAD model, thus avoiding expensive corrections in downstream processes. Compliance with the specified wall thicknesses is thus guaranteed and documented in the early stages of product development. Surface-based test processes are independent of the selected test grid and guarantee high-quality measurements.

Easy operation

- Fast familiarization without any special knowledge
- Integrated configuration wizard (for newcomers)
- due to release 7.1.2. even easier configuration and installation
- Easy-to-understand graphics
- Automatic generation of a test report

Capabilities

- Visualization of the results using a color-coded display of the wall thicknesses in the 3D model (including minimum/maximum value within the defined range, number of measurement points)
- Display of wall thicknesses that fall short of/exceed the specified thicknesses and compliance with a wall thickness range
- Suitable for solid and surface models, as well as imported geometries
- Critical geometries for tapped holes are taken into account (in native Creo models)
- Distance between parts (distance check) and between components and/or assemblies (clearance check)
- Classification of the results (error, warning, etc.)
- Processing of multiple models in batch mode
- Models can also be made temporarily transparent



Color-Coded Display of Thickness in a 3D-Model

- Display of color-coded wall thickness ranges on tabs
- A progress bar indicates the current calculation step
- Classes and comments are retained when a new analysis is performed

To aid documentation, you assign every result a category, like error, warning, etc., or comments using an integrated classification facility. You can view the results directly without having to perform a new test run. At the press of a button, you can document the results as PDF report including graphics, specification of the minimum and/or maximum wall thicknesses and comments.

Benefits

- SF WALLCHECK is based on the VDA guideline 4955 and meets all the automotive industry's product data quality requirements (SASIG, VDA).
- due to implementation of C++ even faster in use
- Avoids expensive changes or corrections in downstream processes
- now also suitable for Creo 5.0

SF Summary

- Immediate impact on productivity thanks to fast familiarization, even for newcomers.
- **SF WALLCHECK** avoids incorrect wall thicknesses and thus delays to a project.
- All the results are available at all times at the press of a button.



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