

# SIEMENS

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## GEOMETRIC SOLUTIONS

# Test Manager

## Streamline production with virtual assembly tests prior to the first physical build

### Benefits

- Reduce launch issues and quality escapes by virtually assessing the product buildup early in the program
- Reduce costs associated with physical prototypes, part changes and tool rework
- Minimize virtual assessment and reduce the number of repeated tests by leveraging templates and best practices
- Capture and re-use assembly knowledge for better collaboration between departments

### Features

- Define and re-use test scenarios for products, processes and plants
- Identify tests by product configuration, variant and validity
- Provide status reports per model or configuration
- Conduct impact analyses to find affected tests by product, process or resource change

### Summary

It is a key priority for manufacturers to ensure predictive program launches and right-first-time production builds. Companies can significantly reduce launch issues by virtually assessing product build early in a new program well before physical prototypes are used.

Test Manager, based on Teamcenter® Manufacturing software, can be used to support the verification process by providing a straightforward way to plan, manage and execute digital

pre-assembly validation tests. It ensures right-first-time production and enables you to avoid rework by virtually assessing potential issues prior to the first physical build.

Planners and designers define test scenarios and associate them to the process, product and plant information.

Simulation and validation engineers can execute predefined test scenarios by using 3D validation tools such as Teamcenter Visualization, NX™ software and Tecnomatix® Process Simulate software, and log those tests in order to initiate issue and problem reports based on the results, as required.

Shop floor operators can leverage the Teamcenter Electronic Work Instructions solution to access test scenarios at the production facility. With Test Manager, you can:

Status Change Date	Result Status	Comment
03/02	failed	Collision occurs during simulation between ID...
03/02	requires re-run	test invalidated
03/09	failed	Collision occurs during simulation between ID...
03/03	failed	Collision occurs during simulation between ID...
03/03	requires re-run	test invalidated
03/03	requires re-run	test invalidated

**Station Name:** 1003816/A:1-Station 11 (View)  
**Test Name:** DRIVERSEAT-INSTALL-AUTOTEST  
**Assigned To:** 1003817/A:1-Install Driver Seat (View)  
**Issue Description:** Test passed after recalculating assembly path for the new luxury seat  
**Status:** passed  
**Picture:**

