CADIQ

Support

Native

- CATIA V4
- CATIA V5
- Creo/Wildfire
- Inventor
- NX
- Solid Edge
- SOLIDWORKS

Neutral

- ACIS
- IGES
- JT Open
- Parasolid
- STEP
- 3D PDF (PRC & U3D)

Platforms

- Windows

About ITI

ITI is the global leader providing reliable interoperability, validation and migration solutions for product data and related systems. Our customers recognize the value in having a trusted solution partner that provides more than just software. ITI solves complex product data interoperability problems so that the world's leading manufacturers can focus on making great products. You need to keep your engineering initiatives moving forward.

Create Momentum ❯

CADIQ identifies Model-Based Design (MBD) data quality issues that impact downstream reuse for manufacturing, simulation, data exchange and collaboration. CADIQ enables you to validate critical engineering processes including: engineering change, revision control and manufacturability.

CADIQ compares geometry, assembly structure, design features and product manufacturing information (PMI) between related models to identify significant differences. Results can be reviewed in the standalone CADIQ Viewer as well as summary text and statistical reports. User friendly 3D PDF reports are also generated for distribution across the enterprise. When design problems are diagnosed on the manufacturing floor, CADIQ can effectively communicate them back to engineering using the 3D PDFs.
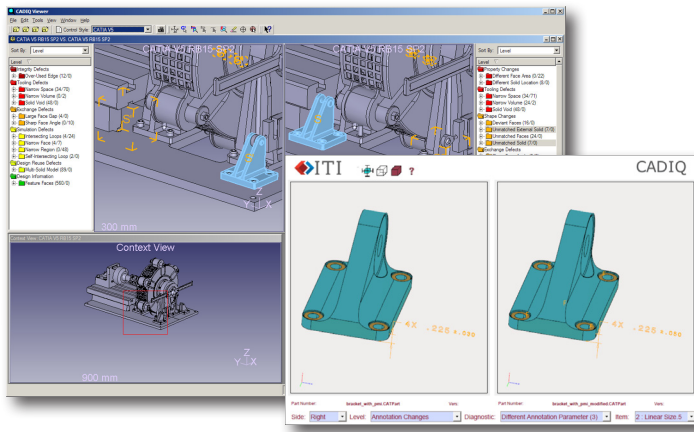
CADIQ Features

- Accurate model quality and comparison analysis technology
- Assembly and part feature parameter comparison diagnostics
- Geometry and topology quality checks and comparison
- 3D PMI quality and comparison diagnostics
- Batch processes to qualify and/or validate models and monitor processes in real-time
- Side-by-side viewer to enable easy comparison and analysis results interpretation
- 3D PDF reports with side-by-side views and diagnostic highlights

With CADIQ, engineers responsible for long-term data archival and retrieval (LOTAR) validate neutral file conversions of 3D CAD models. If needed, additional data can be added to the archive, enabling comprehensive validation of the retrieved model in a future CAD system.

"CADIQ reduced problems and delays caused by poor quality in CAD models. This improved customer response time and increased the flexibility of the design."
- Paolo Cavallo, Johnson GATE

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