

Multi-CAD JT translation for OEM compliance and collaboration

CADfix

Support

Native

- CADD5 5i
- CATIA V4
- CATIA V5
- Creo/Wildfire
- Inventor
- NX
- SOLIDWORKS
- 3D Studio Max

Neutral

- ACIS
- DXF/DWG
- IGES
- JT Open
- Parasolid
- STEP
- STL
- VDA-FS
- 3D PDF

Specialist CAE

- AGPS
- ANSYS
- SC03
- Solar/Centaur/Flite

Platforms

- Windows
- Linux

About ITI, a Wipro company

ITI is the global leader providing reliable interoperability, validation, and migration solutions for product data and related systems. ITI solves complex product data interoperability problems so the world's leading manufacturers can focus on making great products.

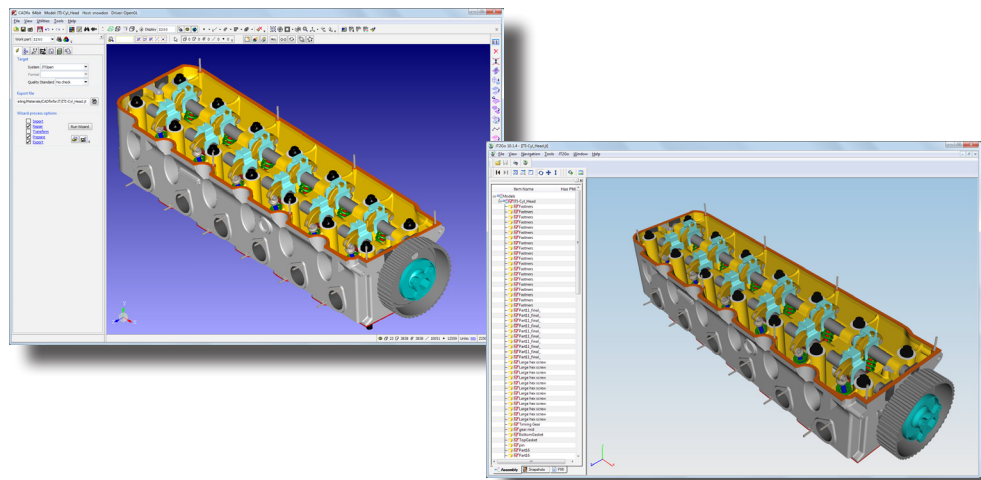
ITI is a wholly owned US-based subsidiary of Wipro, Ltd, within the Industrial & Engineering Services (IES) business. IES provides customers with a platform to innovate and engineer the next generation of products and platforms at scale.

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CADfix removes the barriers that prevent reuse of solid models. By providing an extensive set of geometry manipulation tools for importing, repairing and exporting data, CADfix maximizes the reuse of CAD data in downstream applications.

Multi-CAD interfaces, combined with advanced geometry diagnostics, repair and translation tools in a user friendly wizard interface, ensure that CADfix meets industry requirements for JT based interoperability between customers & suppliers.



CADfix Features for JT Collaboration

- Import and export functionality for a variety of CAD formats, solid modeling kernels and data exchange standards
- Advanced healing and repair engine to correct/repair geometric and topological flaws within CAD models
- Batch, wizard and diagnostic-driven modes for automatic and interactive functionality
- Control of JT export options: JT version, level of detail and tolerances
- External JT configuration file support
- Calculation of mass properties and writing into the JT file
- Support for part geometry
- JT and PLM/XML assembly support
- B-rep and faceted geometry

CADfix helps you streamline JT collaboration processes ensuring maximum productivity, reducing downstream rework and lead times and guaranteeing product quality.

CADfix is packaged as a desktop or server solution, with extensible modular functionality dependent upon the end user's source and target systems. The application may be integrated into PLM or workflow automation tools.

CADfix also serves as a geometry pre-processor within proprietary CAE-centric OEM applications.



JT Model Quality and Validation

CADIQ

Support

Native

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

Neutral

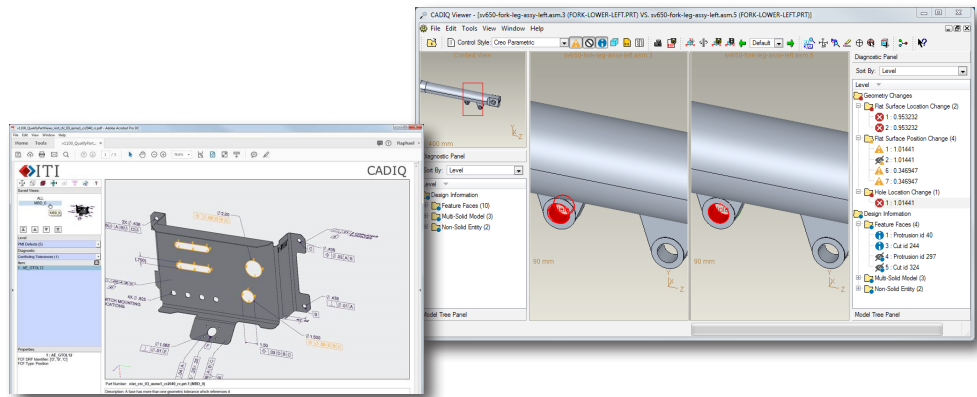
- ACIS
- IGES
- JT Open
- Parasolid
- STEP
- 3D PDF (PRC & U3D)

Platforms

- Windows

An essential part of any collaboration process is the validation of translated files to ensure that no unexpected deviations have been introduced and that the model is 100% accurate. As with any translation process, collaboration via JT also requires validation, especially in the Model-based Enterprise (MBE) environment, where both geometry and critical product manufacturing information (PMI) needs to be fully validated.

ITI's CADIQ solution provides comprehensive comparison and validation of JT geometry and PMI. ITI has been selected as the validation partner for the JT Implementer Forum, providing CADIQ as a tool for validating JT output from the major PLM and interoperability vendors.



CADIQ Features for JT Validation

- Accurate JT quality and comparison analysis technology
- Assembly and part feature parameter comparison diagnostics
- Precise and graphical geometry validation
- Part level 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 data translation with customers and suppliers, as well as those involved in long-term data archival and retrieval (LOTAR), are able to fully validate and certify their 3D CAD model conversions, ensuring that the integrity of their product data is maintained across the supply chain and throughout the product lifecycle.

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