xCompare

COMPARE MORE THAN JUST GEOMETRY DIFFERENCES

Comparison Solution for Visually Identifying Model Modifications in CATIA V5, SMG and JT Data

In times of global and simultaneous development processes, tools that support engineers with managing their complex design data are becoming increasingly important.

With xCompare, you can analyze CATIA V5, SMG and JT data to find differences between two revisions of a product, part and drawing, or to verify the conversion process. It traces not only geometry differences, but all design changes in CAD models.

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Key Features & Capabilites

Custom Configurations
Create configurations according to the use case to be used across releases for uniformity in check parameters and results.

Centralized Features
xCompare combines all comparison possibilities for Parts, Products, Drawings, CGR in one place.

Meaningful Reporting
Generate meaningful reports in xml, HTML and 3DHTML. Adapt layouts to customer requirements.

Batch Run
Run reports in batch mode to automatically create change reports within the PDM systems.

Feature Based Comparison
Compare models based on features to find all differences in parameters, names, color, etc.

FT&A Comparisons
Compare FT&A features like Tolerances, Annotations, Welding, Tables, Texts etc.

Special Checks
xCompare has several special checks like 3D Representation, Wireframe, Electrical Harness, etc.

Performance
xCompare significantly outperforms other comparison tools. Best use of CPU ensured by multithreaded calculations.

Benefits of Comparing Model Modifications with xCompare

Support the 3D Master Process & Data Archiving
Identify all design changes including changes to Functional Tolerancing & Annotation (FT&A). When validating data conversion, xCompare ensures no differences have arisen that may interfere with subsequent processes.

Save Time On Manual Model Comparison
The model comparison can now be done in either CATIA, or in batch mode, and does not have to be carried out manually. This reduces the potential for error and improves time-efficiency.

Reduction in Human Error & More Reliable Data
Manual review can involve human error, so there is a risk that changes in complex models will be overlooked. xCompare guarantees that all changes will be identified, ensuring more reliable data.
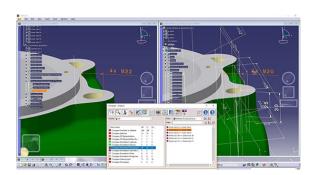
Fulfilment of Regulations for Documentation
In data conversion and long-term archiving, regulations may require that the generated or archived model data match the original data of the CAD system. xCompare V5 / JT and V5 / SMG ensure this requirement is met.
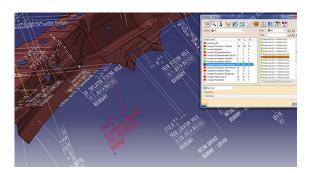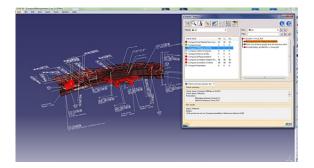
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xCompare V5/V5

- Fully integrated in CATIA V5
- Compare Parts, Products and Drawings and CGR
- Detect and display engineering changes in 2D & 3D from within CATIA, or with powerful reports in any browser
- Add mark-up features to the model to illustrate and share the results
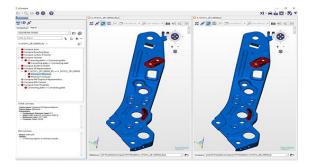- Intuitive user interface to create and edit configuration files

xCompare V5/SMG

- Ensure successful data translation from CATIA V5 into SMG
- Fully integrated with CATIA V5
- Read data in native format, no conversion needed
- Validation of geometry, PMIs, attributes, etc.
- Visualization of the results in CATIA

xCompare V5/JT

- Ensure successful data translation from CATIA V5 into JT
- Fully integrated in CATIA V5
- Read data in native format, no conversion required
- Validation of geometry, PMIs, attributes etc.
- Visualization of the results in CATIA

xCompare JT/JT

- Integrated with TECHNIA's JT viewer: LiteBox3D
- Check parts and assemblies
- Using TECHNIA's own ISO based toolkit with full control and best performance
- Intuitive user interface to create and edit configuration files
- Finding differences in geometry, LODs, PMIs, properties, etc.
- Batch mode for automated processes and 3D HTML reports

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"In my opinion, the major advantage is that it completely does away with the need to convert data. As a rule, the data we receive from our clients is already in V5 format. For example, if we have an assembly made up of two parts with multiple rivets or screw connections, we can use xCompare to check immediately if a nut has been left out. This eliminates the need for all the steps related to converting data in one go and prevents conversion errors from occuring."

Katja Raindl,
Technical Assistant,
Allgaier Automotive

#1 Knowledge Leaders in PLM

At TECHNIA, we pave the way for your innovation, creativity, and profitability. We combine industry-leading Product Lifecycle Management tools with specialist knowledge, so you can enjoy the journey from product concept to implementation.

Our experience makes it possible to keep things simple, personal and accessible so that together, we transform your vision into value. With over 30 years' experience, more than 6000 customers worldwide and world-class knowledge in PLM & Intelligent Engineering, we work together as true partner and extension of your team to create an exceptional PLM experience.

Our team of more than 680 people work from 32 locations around the world, across vertical industries, delivering a premium service with a global infrastructure and a local presence. We adopt the latest technology and agile methodologies so, even as technology changes, our relationships last a lifetime.

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