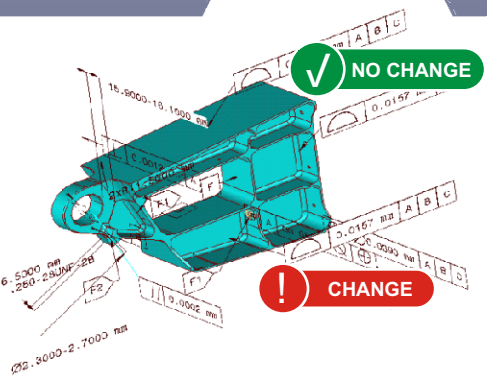
CompareVidia TEC

Tracking Engineering Changes for Model Based Definition Data

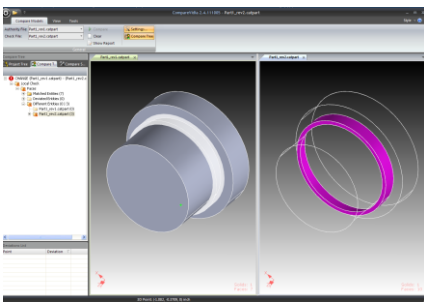
Track Engineering Changes (TEC)

A new Track Engineering Changes (TEC) module extends CompareVidia possibilities. If you employ CompareVidia for standard translation validation, you can now track design as well as engineering changes made to the model. All changes for the 3D model are tracked, including all related information such as PMI, GD&T or part notes annotations (complete MDB definition). Changes that happen during engineering and manufacturing processes are difficult to catch by just overlaying the two parts in a CAD system. That's why we added TEC. It lets you be absolutely confident that ALL of the differences in the older Revision "A" model, and the newer Revision "B" are incorporated prior to manufacturing and that saves money, headaches, and time.The TEC module can be automated using batch mode when you need to check large amounts of data.

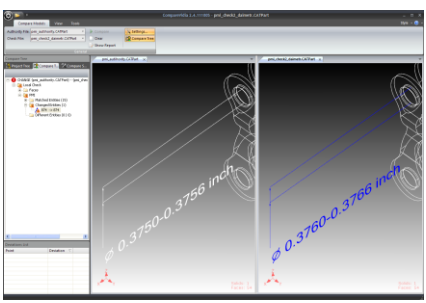


Part Notes & Annotation

PMI (Product Manufacturing Information), GD&T (Geometric Dimensioning & Tolerancing) or FT&A (Functional Tolerancing & Annotation) are all supported in the CompareVidia version 2.4 including extended support for full semantic PMI/GD&T/FT&A comparisons for Dassault's CATIA V5, Siemens NX, PTC's Creo (ProE) and STEP CAD formats. It also supports tracking and comparing the non-semantic PMI tags that are represented as independent poly-line objects in neutral file formats, STEP 203 E2D or IGES.
The links between the 3D geometry and its associated graphic information and tolerances are completely upheld. This allows you to compare Model Based Definition (MBD) models side-by-side. PMI, GD&T or FT&A information can also be represented in all CompareVidia reporting formats.



Change detected between revision A and revision B



PMI Comparison- change detected

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Flexible Reporting

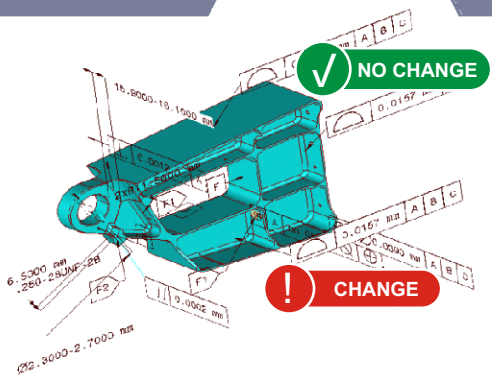
Also new - the report for geometric, topologic or annotation changes in the CAD model can now be received in 2D or full 3D reports. The 2D report provides simple screen captures, user annotations and notes to give the manufacturing department real-time information before starting the process. The 3D report gives full, detailed information accessible for the operator running TEC or anyone else in your organization having CompareVidia Viewer.
An "AUTO-SAVE" feature enables you to set-up the report structure so the report is automatically generated during validation. In many cases, these reports can be added to the QA or BOM package for even better clarification of intended and unintended changes in the CAD model. You can select different report formats like: .pdf, .xml, .html.

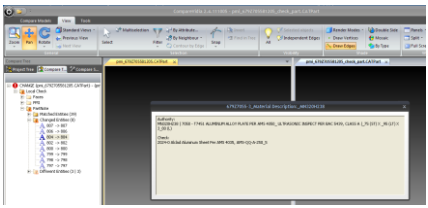
Batch Comparison

Manually running several CAD models through a validation process can be stressful and time consuming. So we've added a "batch compare" feature. Load your data into the batch process and let it run. Batch mode comparison can be run from the command line or as an application with its own user interface. The user interface allows on-line monitoring of the process status. And once it's completed, a general report is presented, giving you an overview with batch operation results. You can even open 3D reports directly into CompareVidia or CompareVidia Viewer

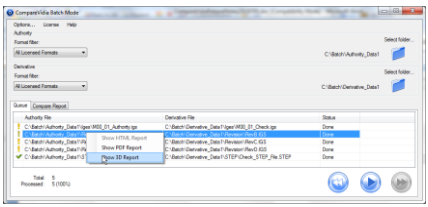
3D Report

The 3D report is now easily accessible by CompareVidia Viewer, which can be installed on any computer in your organization. This allows access to the results of validation process to other people in the organization and other departments who may not be involved with the engineering or manufacturing processes. CompareVidia Viewer is compact, easy-to-install software with full capability for viewing 3D CAD models and exchanging the validation results within an organization.

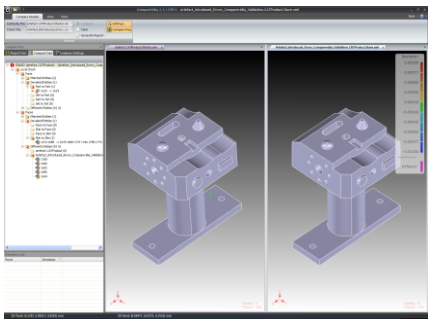




Part Note Comparison Changes listed in the compare tree



Starting 3D report from Batch GUI for pair that failed to validate



3D Report in CompareVidia Viewer collaborative access to detailed information

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