



Rapid and accurate change identification

Quality Management with BCT Inspector

Integration of Change Management into Product Lifecycle Management

Manual processes are time consuming and hold the serious risk of errors. Undisputed one of them is the tracking of design changes: often a manual, time consuming, tedious and error prone venture.

Especially when both OEMs and suppliers are involved, insufficient documented modification descriptions can cause increased time effort as well as many and repeated queries.

Rapid and accurate change identification and verification as well as a clear revision history are of major importance in the change management process in the manufacturing industry. Avoiding missed items and mistakes in this process can achieve significant saving of time and money, and sometimes even trouble.

The solution:

Clear revision history and traceability of design changes with BCT Inspector. The Quality Management Tool...

- ... identifies, labels and extracts (critical) characteristics, giving them unique characteristic identifiers over the lifecycle.
- ... automatically identifies every engineering change that has occurred.
- ... provides an intelligent comparison of drawings, models and characteristic lists.
- ... avoids transcribing mistakes through direct data transfer and allows a fast and precise traceability of all engineering changes.
- ... generates semi-automated change documentation.





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Benefits

- Elimination of errorprone manual activities for characteristic ballooning and extraction
- Unique characteristic identifiers over the complete lifecycle of the part facilitate collaboration between OEM and suppliers
- 100% control over all engineering changes
- Clear graphical and schedular identification of the single modified characteristics
- Flagging of changed items to notify downstream processes of the changes done
- Documentation of design changes at the push of a button
- “On demand” comparisons with always up-to-date data, thus no redundant data saving
- Full engineering change history through inspection information saved directly in model or project file
- Clear traceability and access to up-to-date revision history for a wide circle of users in engineering, design/drafting, quality, supply chain, manufacturing
- Reduces time spent for change verification by 70 percent or more
- Reduces recurring queries and questions
- Avoids failure costs in downstream processes

BCT Inspector can be integrated into workflows to run in an automated process during saving or at release.

Furthermore the tool supports multiple CAD systems (e.g. NX, Solid Edge, Catia) as well as neutral model (JT) and drawing (e.g. tif, pdf) formats.

The extraction of dimensions, GD&T tolerances, ISO tolerances, surface symbols, textual information, and model based PMI and GD&T data is also possible.

