OEM and Supplier Collaboration

Quality Management with BCT Inspector

Better Collaboration Between OEMs and Suppliers - Give And Take For Both

In the aerospace and automotive industries reducing product cost and delivery cycle time are critical for OEMs and their key suppliers to remain competitive.

OEMs and suppliers are more interdependent than ever. They know they need to keep their operations finely tuned.

They have to constantly review product costs to identify opportunities for cost reduction.

The biggest cost savings can be achieved when OEMs and suppliers collaborate to come up with new technologies, processes, and product applications. Ensuring quality early in the product development process, one can eliminate significant costs prior to production and get quantifiable savings.

The solution:

Better Collaboration & Data Exchange 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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Winners on Both Sides

- Better collaboration between OEM and supplier by using unique characteristic identifiers over the complete lifecycle of a part
- Supplier feedback directly to OEM's design department of product relevant data (e.g. recurring critical characteristics needed for manufacturing) by using characteristic change items
- Capturing of changes for a clear revision history - decisive for future designs
- Automated processes for ballooning and extracting characteristics - elimination of errorprone manual activities
- Elimination of errorprone manual activities for characteristic ballooning and extraction
- 100% control of all engineering changes from OEM and the supplier
- Clear graphical and spreadsheet identification of the single modified characteristics
- Flagging of changed items to notify downstream processes of the changes done as well as avoidance of failure costs in downstream processes
- Faster time to market
- Passing on of already existing proven characteristics from OEM to supplier - no errors
- Reduction of recurring queries and questions as well as avoiding that the same action is repeated over and over again
- Full engineering change history through inspection information saved directly in model or project file

BCT Inspector can be integrated into workflows. 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.

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