



Quality Planning & Inspection Reports

Quality Management with BCT Inspector

Integration of quality planning and generation of inspection reports into product lifecycle management

In the aerospace, automotive and medical industry process quality and security are first priority. OEMs and suppliers must comply to numerous regulations.

In order to remain competitive companies must continuously improve their processes.

OEMs are looking for suppliers who fully understand how their product and services can directly benefit the OEM and the solutions it offers. For suppliers that continuously focus in improving affordability and efficiency through lean processes.

Shorter planning times and lower development costs are the keywords: less errors, less repeated queries, less manual activities and thus less effort in terms of time and costs.

The solution:

Automated extraction of characteristics and generation of inspection reports according to standards with BCT Inspector. The Quality Management Tool...

- ... identifies, labels and extracts (critical) characteristics, giving them unique characteristic identifiers over the lifecycle.
- ... generates (first article) inspection reports according to company and industry standards (e.g. AS9102).
- ... provides a comprehensive output of data for manufacturing and quality departments.
- ... allows a CAD-independent visualization of inspection characteristic lists and inspection models (JT) and drawings
- ... avoids transcribing mistakes through direct data transfer and allows a fast and precise traceability of all engineering changes





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Benefits

Secure processes

- by eliminating errorprone manual activities for characteristic ballooning, and generation of inspection reports
- by clearly identifying critical dimensions
- in the collaboration of OEMs and suppliers through unique characteristic identifiers over the complete lifecycle of the part and thus being on the same page
- by securing the compliance with industry standards and regulations
- full engineering change history through inspection information saved directly in model or project file

- to up-to-date inspection data for a wide circle of users in engineering, design/drafting, quality, supply chain, manufacturing
- through interfaces for CMMs and offline programming software

Savings

- in terms of time effort of up to 60 to 80 percent compared to manual capturing of data
- in terms of costs by reducing recurring queries and questions

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.

