SF INSPECT
MECHANICAL DESIGN AUTOMATION

Automation

Automatic collection of inspection characteristics

SF INSPECT is an extension for **PTC Creo** and is your tool for the automated collection, management and documentation of inspection characteristics.

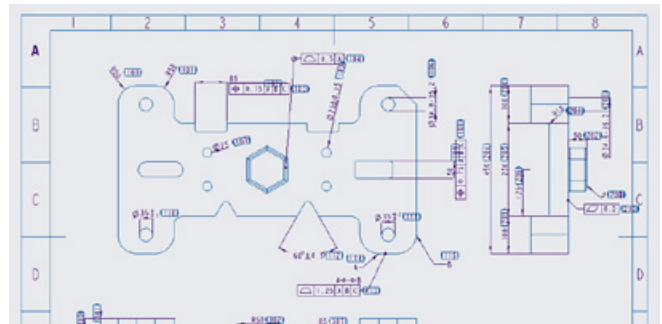## Enjoy greater transparency right from the start of the design process

At the touch of a button, all inspection characteristics are automatically determined from the design data, documented across the entire lifecycle with a unique number and labeled in the drawing. Just a pipedream? With us, it is a reality that delivers greater efficiency in the design process. From that moment on, you will always be up to date, and all changes made to the 3D model and the drawing can be monitored and updated transparently.

Easy operation

- Rapid learning curve, thanks to simple, automated process
- Inspection characteristics are stored and managed directly in the design data, allowing simple integration in PLM systems
- Centralized configuration of the application

Capabilities

- Assignment of criticality classes to each of the inspection characteristics
- Direct, fully automated collection of all inspection characteristics from the Creo CAD data at the touch of a button
- Automatic labeling of the drawing
- Unique numbering and identification of the characteristics across the entire lifecycle of the object
- Traceability of changes by means of status indicators
- Information on the characteristics is stored and managed directly in the Creo drawing
- Provision of the information on the characteristics for the CAQ process

Drawing with characteristic numbers

- Archiving, downstream processing and so on using neutral formats
- CAQ process chain using Q-DAS format (DFD) with large amounts of additional information, e.g. the position of the inspection characteristic in the drawing
- 3D-based CAQ process chain using Q-DAS format and geometric information in STEP format

Benefits

- Unbroken process from design through to measurement engineering
- Labeling using freely definable characteristic symbol or as per DIN 6770
- Fully automated collection of the inspection characteristics
- Automatic labeling of the drawing
- Determination of the change history
- Provision of the information on the characteristics for CAQ processes
- Significantly faster labeling and creation of the lists of characteristics

Summary

- **SF** INSPECT is CAD-based and makes the inspection characteristics available in their entirety and without errors in a matter of minutes.
- Huge potential savings of more than 80% as a result of this automation.
- All inspection results are available at any time at the touch of a button.