



INSPECTION PLANNING/WORK PREPARATION

Easy and fast inspection planning for serial and mass production processes:

- Powerful inspection planning (see CASQ-it IPL).
- Inspection orders for each operating sequence at the inspection station being used.
- Start inspections via the inspection order's deadline display.
- Adjustable waiting period for the deadline display.
- Machine-dependent inspection frequencies and intervention limits.
- With/without batch and serial number information.
- Family inspection plans. (*)
- Data manager for the systematic changing of inspection plans. (*)

PRODUCTION/INSPECTION

Comprehensive employee support right down to individual keyboards:

- Special, intuitive employee ergonomics during data acquisition.
- Special employee keyboards.
- Multinational acquisition: online language switching.
- Display of critical process features (special characters).
- Document display by clicking.
- Adjustable inspection procedure with different feature types:
 - feature skip,
 - nest inspections with nest closure, (*)
 - optional or compulsory commenting,
 - adjustable: feature-dependent sample sizes for each sample.
- Automatic validity checks.
- Machine-dependent intervention limits.
- Catalogue-based error comments (single and multi-stage).
- Continuous control charts.
- Integrated error detection by means of attributive features.
- First component/last component inspections.
- Linking of measured values and features.
- Display of process features such as trend, run or middle third.
- Results overview through error collection charts at a click.
- Night shift module for subsequent input of measured values. (*)

ANALYSES/DOCUMENTATION

Comprehensive analysis tools for process improvement:

- Documentation according to ISO/TS 16949 and/or VDA.
- Inspection certificates according to DIN EN10204.
- Control chart display with all events, process abnormalities, comments, inspection time entries, individual values and statistical results.
- Histogram and probability plot.
- Variable and attributive control charts.
- Dynamic error collection charts.
- Consideration of process characteristics such as wear, tool changes, nest tools, rogue results, additional spread, instabilities, one-sided limited features in all capability analyses.
- Particular distribution types: logarithmic, Rayleigh, Weibull, magnitude distribution, folded normal distribution, rectangular distribution, etc.
- Job and batch-related evaluations.
- Subsequent comments in the control chart.
- Customer-specific requirements for the analyses (cpk-min, ppk-min, minimum number of samples/values).
- Individual assessment of nests at the press of a button. (*)

OPTIONS

- Stored standards for automatic tolerance determination, such as DIN 286 or in-house standards.
- Stamps from CAD drawings in IGES, DXF, PDF, JPG, BMP formats.
- Feature import from CAD drawings in IGES, DXF, PDF, JPG, BMP formats.
- MPM: Multi-position-measuring device with inspection step planning and password-protected original calibration in the standard setting master.
- Bar charts for the simultaneous visualisation of multiple measurement tools.
- Automatic checks in the background.
- Hyper-control chart for merged processes.
- Export of inspection data to qs-STAT.

* Expert-Version

