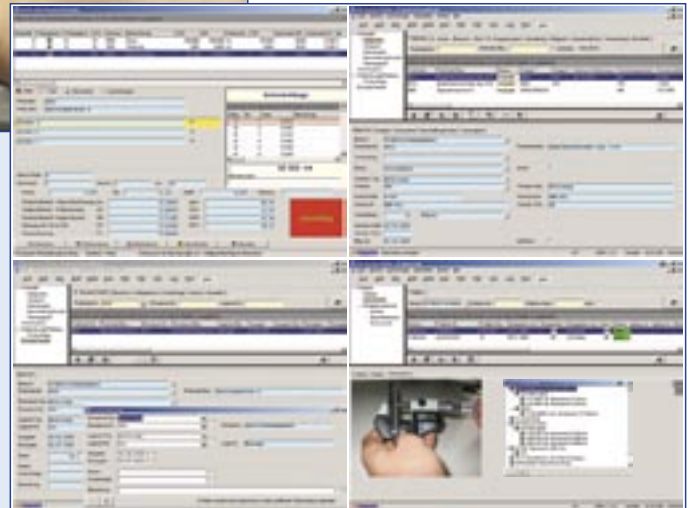


Gage management with HYDRA-PMV



- Comfortable inventory management
- Conformity of norms according to QS 9000
- Shape and position tolerance according to ISO 7168
- issued and rented gages, due dates list
- Calibration and maintenance plans
- Analysis of measuring systems
- Capability analysis

QUALITY

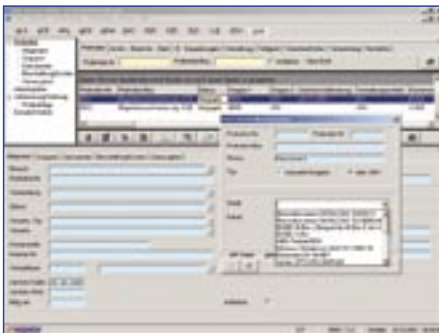
HYDRA-PMV

Gages as important resources for the production

Gages are important operating facilities, which are required for the manufacturing of your products. Whether the manufactured products meet the customer's requirements depends, among other things, on the right usage of the gages. On the one hand, it must be guaranteed that the required test or measuring equipment is available in sufficient number and that it is ready for use at the same time. On the other hand, it has to be proved that the product quality can be monitored by means of the planned measuring device (measuring equipment capability). In both cases, the functions of HYDRA-PMV simplify the administration, monitoring, organization and calibration of the measuring devices, gages and measuring systems. The respective norms are certainly taken into consideration.

Master data administration

- Inventory management with extensive filter and print functions
- Status management (blocked, free, discarded, maintenance, etc.)
- Keeping groups of gages
- Address and cost management incl. lists of suppliers
- Management of issued and used gages and rental lists in relation to persons, departments and groups
- Calibration and maintenance intervals
- Document list of the gage (text, drawing, photo, etc.)



Optimum system support for all employees

Calibration

- Sample inspection plans according to VDI 2618
- Group inspection plans
- Creation of individual inspection plans for monitoring, calibration and goods receipt
- Access to the shape and position tolerances according to ISO 7168 to determine the tolerances of each characteristic
- Display of documents (text, drawing, photo, etc.) at the level of the characteristics when calibrating/maintaining
- Inspection mask that can be designed individually for the recording of measured values incl. additional information (documents) and the history of measured values
- Recording of measured values via digital measuring devices incl. measuring machines
- Recording of deviations incl. classification of defects
- Definition of measures and their management
- Creation of calibration and maintenance orders
- Calibration and maintenance history

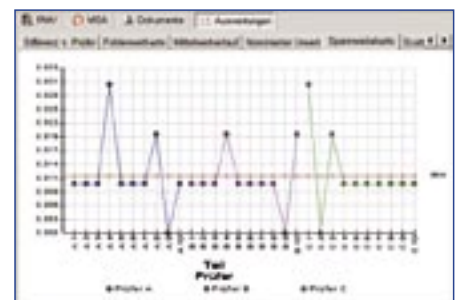
Measuring equipment capability

- Analysis and documentation of the measuring system capability according to QS 9000 or TS 16949
- Guidance of the inspectors through the inspection operations
- Assessment, whether the used measuring systems have changed or have been destroyed during the measurement
- Determination of the spread of measuring devices and comparability of the inspections (repeatability)
- Determination of the influence of the inspector on the execution of the inspection (comparability)
- Determination of the dispersion of measured values from part to part
- Computation of the overall dispersion

Objective assessment of the gages

Evaluations/documentation

- Capability analyses with error value card, scatter plot, mean-value chart, range chart, peak value charts, etc.
- Measured value card (original value chart)
- Failure mode analyses
- Measures (duration, dates, responsibilities)
- Freely definable certificates due to printout in MS Word or Excel templates incl. archiving
- management of tools concerning usage / operation / assignment and rental periods
- Inspection plan histories



Integration in HYDRA

HYDRA-PMV can be used as stand-alone module for the gage management, calibration and measuring system analysis. Additional benefits result from the cooperation with other HYDRA modules:

- During the planning process of production orders in the HYDRA shop floor scheduling it is already checked if the planned gages are available
- Continuous control of measures in an integrated workflow system incl. mailing and escalation functions
- Cross analyses between gage, article, material, machine, tool, etc.

MPDV Mikrolab GmbH

Römerring 1
74821 Mosbach
Germany
Fon +49 (62 61) 9 20 9-0
info@mpdv.de · www.mpdv.de

MPDV-Locations:

Mosbach · Hamburg · Hamm · Heidelberg ·
Munich · Stuttgart · Winterthur / CH ·
Amboise / F · Fort Mill / USA

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Doku-Ident: PRPMV-ENG 11/2005

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