

Maximum efficiency thanks to fully automated data acquisition

HIGHEST QUALITY STANDARD THROUGH 360° MEASUREMENT DATA MANAGEMENT

Only those who have an overview can optimize. The effective use of data is particularly fundamental in quality management. Ever stricter tolerances, high production volumes and cost pressures mean quality management plays a key role in creating a maximally efficient production process today. Without an intelligent, intuitive data management tool, however, it is impossible to meet the multitude of requirements and tests.

The measurement data management software from our product provider QDA SOLUTIONS is designed to do just that. Based on your measurement data, the solution optimizes your resource usage by automating reports, analyses and continuous process control. The result: cost-intensive measuring devices can take measurements on a larger scale and thus be used more efficiently.

Comprehensive reporting based on all measured data

Our software offers the possibility to manage all data in a single software system and to do so taking in data from a wide range of tactile or non-contact coordinate measuring machines, regardless of whether online or offline. This procedure considerably increases the error detection and effectiveness of the remedial measures taken. The measured values are imported directly from any existing measuring equipment and coordinate measuring machines into the central QDA database. Changes to the master data are automatically recognized by the system even before the import and, depending on the workflow, blocked until release for further investigations.

The integration of images of various kinds such as graphs, photos, CAD drawings or 3D models guarantees clear and easily understandable evaluations. In flexible reports, data can be evaluated precisely so that a specific period or batch size is clearly displayed.

Flexible search functions support the search for data by line, machine or tool as well as making serial numbers, lots and batches traceable. All common statistical evaluations are also available. The reports can either be generated automatically or initiated manually. Access is via a simple tree structure that can be configured by the key user, thus enabling all user groups to use the individual reports intuitively.



Centralized measurement data management for complete compatibility

All report templates and their various display modes are fed directly from the data in the central database. This means that display objects correspond exactly to the contents of the database. As a result, changes to the data are transferred to the templates in real time. Specification changes made locally at the measuring systems are recognized by the import manager and transferred centrally to the master data history. The open system structure of our software enables data import via standardized interfaces (QML, DMIS, i++) and from standard 3D measuring machine protocols.

The solution operates independently of the measuring machine system used and can therefore process data from any coordinate measuring machine. Accordingly, the software can communicate with machines from Cats, DEA, DMIS, Edixia, ELISA, HOLOS, Inca3D, Leica, Leitz/Quindos, LK, LMI, Metrologic, Mora, Perceptron, qs-STAT, QS-Torque, Stiefelmayer, Calypso, Zeiss UMESS, Wenzel/Metromec, Zett-Mess, XML and Prelude. Thanks to the prompt collection of data combined with meaningful presentation of results, our software allows differentiated decision making to improve production processes – and thus serves as a professional service provider in your production.

Modular solution structure for your quality management

Our software solution for quality management can be built up in a modular fashion: you only have one infrastructure, regardless of the number of modules used. The integrated software architecture offers interfaces to PLM, CMM, ERP and MES systems. Thanks to Unicode, our solution supports multiple languages and is therefore ideal for worldwide use. The software is also based on databases, compatible with MSSQL, Oracle and PostgreSQL, and “Citrix ready”.

Our software provides integrated application security through user role definition and management. Active directory support provides seamless integration with the existing active directory, QDA role synchronization with AD groups and users can be managed across the company. Support for PKI cards is guaranteed, as well as the secure encryption of data by the SSL/TSL standard. Security standards, such as password encryption according to the AES-256 standard, are also observed.

THE ADVANTAGES OF OUR MEASUREMENT DATA MANAGEMENT SOFTWARE AT A GLANCE



Seamless integration of your tactile and non-contact measuring systems



Automated control of import processes



Centralized data management



Central data management, archiving and uniform evaluations



Standardized and automated reports with visual presentation



Optimal integration into your machinery via standard interfaces

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