Automotive Core Tools Fully Integrated in one Software

ISOQualitas.ACT® is an add-on module for companies that want to automate and seamlessly integrate the shop floor into their quality process.

With ISOQualitas.ACT® shop floor operators and quality inspectors receive instructions directly at their workstations and have a range of tools to support and provide immediate feedback during the manufacturing process.

Shop floor information is captured effortlessly through a user-friendly interface to register and report quality control events and results to meet the highest worldwide automotive manufacturing standards.

Additionally, all manufacturing process execution documents created by the APQP teams through ISOQualitas.PLM® are automatically available at the shop floor electronically, ensuring full consistency with planned activities.

Benefits and Advantages

Engineering and shop floor conected

All data recorded by operators is instantly available to Engineering though ISOQualitas.PLM.

Interface designed for shop floor users

Specific user access level guarantees that operators only have access to the information they need to perform their activities. Also, only modules that are applicable to production or incoming material control are available, avoiding distraction and providing a simpler user interface designed specific for the shop floor.

Preventing mistyping at shop floor

A Quick Fill tool makes recording measurements at the shop floor simple, fast and effective.

A cost-effective solution

Very affordable and licensing independent from ISOQualitas.PLM. Therefore, it's easy to manage licenses of each software to guarantee users always have access to the software.

Shop floor actions integrated.

During production Inspection Reporting, SPC charts are displayed automatically after new data is recorded. If non-conformities were found, the Non-Conformity Report is automatically triggeredr analysis and actions.

Updated production data

Operators always have access to the latest information developed by the APQP Teams. There is no risk of operators using out of date requirements during production.

Connecting the top floor to the shop floor

Production

Design

Delivery

Features

Production Execution Support

Production Execution Support follows the product and process development phases and benefits from the full integration of ISOQualitas.PLM® by accessing the same database. The Production Execution Support modules include:
- Registration and management of Production Lots.
- Inspection records with automatic SPC analysis.
- Quality Certificates.
- Layout Inspection.
- Process Ongoing Monitoring - SPC.
- Non-Conformity records.
- CAPA - Corrective Action and Preventive Actions, including Global 8D process.

MSA - Measurement Systems Analysis

The Measurement Systems Analysis modules support all studies required by the MSA Reference Manual 4th. Edition, including:
- Measurement System Management, including Calibration Management as per ISO-17025.
- Stability, Bias and Linearity studies.
- R&R Study - Variables (X-R and ANOVA Methods).
- R&R Study - Attributes (Cohen Method and Gray Zones).

Process Capability Studies

The Process Capability Studies module supports all studies required by the SPC Reference Manual 2nd. Edition, including:
- Process Stability Assessment (X-R Chart, X-σ Chart, Individual-Moving Range Chart).
- Samples Distribution Assessment: Normal, Lognormal, Exponential, Weibull and Real (Kernel).
- Process Capability Indexes: Cp / Cpk, Pp / Ppk; Cm / Cmk, PPM, etc.

PPAP and VDA2 Approval Processes

The Product Approval Processes modules support all requirements of the PPAP Reference Manual 4th Edition and the VDA Band 2 Version 2012, including:
- Dimensional, Material and Performance Test Results.
- Part Submission Warrant – PSW
- Production Process and Product Approval- PPA - VDA2 6th Edition.
- Product Structure - BoM (VDA).
- Report of Acquired Materials.

CAPA and Global 8D

ISOQualitas.PLM has several Corrective and Prevention Actions modules as an integral part of the manufacturing support process. This enables management to implement and validate the problem-solving process and the recording of nonconformities throughout the product lifecycle. The following modules are included in the CAPA/Global 8D modules:

NCR Modules
- Nonconformities Registration.
- Powerful search for nonconformities and graphics history of nonconformities.
- Management of corrective and preventive tasks and actions (popup and e-mail alerts).

Global 8 D Modules
- Registration and management of 8D Solving Problem Process.
- Searching with filters of 8Ds and Global 8Ds history.
- Management of corrective and preventive tasks and actions (popup and e-mail alerts).

ISOQualitas.ACT

Features

Incoming Materials Management

The Incoming Materials Management modules records and shares data of received materials to avoid duplication of data entry later in the process. It also ensures that data is consistent and reliable. The Incoming Materials Management modules include:

- Registration and management of Incoming Materials.
- Skip Lot sampling plans (configurable by users).
- Inspection instructions.
- Receiving inspection record.
- Record of non-conformities and CAPA.

System Requirements

Hardware

Processor: 1Ghz Minimum, 4Ghz recommended

RAM Memory: 1Gb Minimum, 4Gb Recommended

HD available space:

Workstation: 2Gb Minimum

Server: 4Gb Minimum

Display Resolution: 1280 x 768px minimum

Software

Our products are tested to ensure stable operation in the following operating systems:

Workstation:

- MS-Windows 7, 8, 8.1, 10 and 11

Server Systems x86 or 64bits:.

- MS-Windows Server 2008/R2 and MS-Windows Server 2012/R2 or later
  Cloud Database on MS Azure, no Server requirements apply

Databases

- MS-SQL Server 32bits, 64bits, x86 - Version 2008 or later, including MS-SQL Server Express and MS Azure Cloud Environment.

Visit us and Setup a Demo Today

info@isoqualitas.com

www.isoqualitas.com