

PRODUCING FOOD SAFELY WITH OUR QUALITY MANAGEMENT SOLUTION

The health of consumers is paramount. Accordingly, food safety is a key issue for companies in the food & beverage industry, with compliance with regulatory requirements such as traceability, origin assurance or hygiene regulations being just one aspect of this. In addition, there are a large number of customers, internal or industry-related quality requirements that companies comply with voluntarily – because a food safety incident can have existential consequences for the company.

A good quality management system helps food manufacturers to comply with various requirements, avoids expensive recalls and possible compensation payments, and ultimately also protects against a loss of image.

Our solution for your quality management from our product provider QDA SOLUTIONS supports you in achieving the high-quality standards in the food industry. Despite different industry standards to be met (ISO 22000, FSMA, HARPC, HACCP, GFSI), we offer you a transparent, secure, and profitable quality management solution.

With our fully integrated quality management system we are your agile partner and support you with:

- integrated supplier management
- product traceability
- integrated LIMS solution
- requirements management
- CoA (Certificate of Analysis) creation and CoA management
- FMEA
- Lot release



MODULAR QUALITY MANAGEMENT SOFTWARE FOR HIGHEST STANDARDS AND MAXIMUM EFFICIENCY

Our quality management software solution can be modular: you have only one infrastructure, regardless of the number of modules used. The integrated software architecture provides interfacing to PLM, CMM, ERP or MES systems. Through Unicode, our solution supports multiple languages and is therefore optimal for worldwide use. The software is also database-driven, compatible with MSSQL, Oracle or PostgreSQL and is “Citrix Ready”.

By means of various modules we enable you a scalable digital quality management tool adapted to your needs:

Incoming Inspection

Incoming inspections are important for guaranteeing the perfect condition of the products from the beginning. Important parameters such as temperature, moisture content or generally the condition of raw materials and semi-finished products can be possible disruptive factors that lead to a delivery not being accepted. All quality-relevant data is already recorded here in the software. If there are delivery deviations, a supplier non-conformity report can be created directly, a supplier evaluation can be carried out and direct actions can be initiated with the additional Action Management tool.

To ensure full traceability to your suppliers, PoC documents of your suppliers can be added to QDA. With the automatic sample planning, you can configure the system so that it is adapted to the AQL sampling system. This allows you to determine each supplier's individual required sample size based on their performance.

Data Collection (SPC)

During ongoing production, continuous quality control is important for product stability – even across factory and country borders. Real-time monitoring enables control of temperatures, humidity, or flow rates, for example. Net weight control is also particularly relevant: underfilling can lead to penalties and overfilling leads, for example, to monetary losses in the bottom line or to problems with the packaging capacity.

Document Management

In the document management section of our quality software, you can manage and release all of your quality documentation. Supplier documentation, specifications and certification documents can also be stored here. With the built-in release and validation process, QDA meets the required quality standards. The solution also includes a complete logbook and digital signatures, as well as a multi-level release process.

LIMS

In addition to inline measurement, QDA also offers a proven LIMS system that allows you to plan, perform and handle all your laboratory tests – both in product development and in ongoing production. The solution's integrated resource management and specimen management allows you to plan not only the quality to be measured, but also the resources within your laboratory. It also enables automatic creation of CoA documents and has integrated order management for planning of the work in the lab.

The integrated evaluation tool allows you to automatically release lots. Integration with your ERP or PLM system allows information to be transferred back to your ERP or warehouse management system.

With the above combination of modules and tools, you will achieve a time saving of 50-80% when creating your PoC document.

Supplier Management

Integrated supplier management consists of data collection with dynamic sample planning. Combined with Non-Conformance management, this enables an automated process that ensures you keep an eye on the quality of your suppliers and that traceability is also guaranteed to suppliers.

Non-Conformance Management

The non-conformance workflow enables automatic creation of notifications and escalations to ensure not only that immediate action is taken, but also that the CIP process is monitored.

In order to avoid sustainable recurring anomalies, QDA supports the creation and implementation of 8D reports and the corresponding corrective actions.

QDA Non-Conformance management can be divided into internal, external and supplier-related non-conformities. For internal non-conformities, which are recorded during e.g. process inspections, directly scheduled corrective actions can be created.

In combination with the data collection or supplier management module, you achieve a time saving for the creation of a deviation report of 80-90%. In case handling, the time saving is more than 30%.

Gage and Tool Management

Insufficient calibration leads to significant measurement inaccuracies, can cause manufacturing errors, result in expensive adjustments to manufacturing processes and severely affect your overall product quality.

Our quality management software supports the creation and execution of maintenance and cleaning intervals of the machines. During the inspection, additional image and text information can be added to document correct performance.



Outgoing Inspection

Before the goods can leave the production facility, they must undergo a final outgoing inspection. Our software provides support here with a dynamic sampling plan to check, for example, completeness, cleanliness, integrity or temperature. It also checks whether there are any foreign bodies, such as metallic counterfoils, in the goods that would have an impact on the consumer's health.

By combining the modules within production, the system can automatically validate the lot before release and ensure that the required documents are approved and shipped with the product. The integrated visual checklists result in only approved and valid products leaving the factory.

Traceability

Despite very good quality management, incidents can occur. In order to limit damage, a targeted root cause analysis across all production, processing and distribution stages is essential in order to be able to inform consumers if worse comes to worst and to meet the obligation to provide evidence.

The QDA traceability module links quality data with traceability information for complete transparency. Product- and process-related quality data can be traced back to specific batches and combined, documenting basic analyses and meaningful findings with actions. This facilitates the identification, verification or determination of food units limited in time and/or quantity.



Do you have specific questions about how you can optimise your quality management?

Get in touch →

Germanedge is a leading provider of Manufacturing Operation Management (MOM) software that brings Industry 4.0 into the perfect flow. Together with its five product providers (GEFASOFT, New Solutions, Objective International, ORSOFT and QDA SOLUTIONS) the brand offers a complete solution portfolio for the manufacturing industry: international, cross-plant, maximum efficiency.