



MQCS

THE COMPLETE SOLUTION FOR INDIVIDUAL INLINE-QUALITY CONTROL

Quality control systems

SICK
Sensor Intelligence.

Consistently high product and process quality ensures customer confidence and thereby also the competitiveness of a brand. The MQCS quality control system provides seamless transparency during the inspection of product quality, process cycles as well as operating equipment and therefore guarantees high levels of availability and productivity.

Assurance of
consistently high
product quality



Relevant
process data
always at hand



Optimized use
of equipment



Avoids production
losses and
error-related costs



VERSATILE MONITORING AND INSPECTION TASKS

The quality control system is suitable for use in almost all manufacturing and processing enterprises and sectors. Due to the modular character of the system, the MQCS can be applied for the continuous monitoring and control of individually specified quality criteria.

Basic functions

Alerts

By means of configurable interfaces, quality assurance actions can be supported in realtime when limit values are exceeded – for instance the use of alarm signals or the activation of ejections.

Recipe Management

This function allows you to easily store test criteria and sensor settings and retrieve these at the push of a button. This enables fast and smooth-running product changeovers.



Identification

Identification of objects through codes, RFID or OCR/OCV for object inspection and tracking, as well as counting of objects for monitoring life cycles or maintenance intervals

EXP

12 2024

Print Inspection

Ensuring the accuracy and legibility of expiry dates, serial numbers, batch codes or variant descriptions



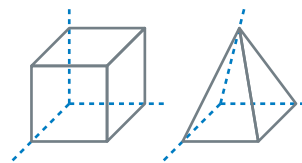
Placement Control, Completeness Check

Verification of specific components or ingredients



Color Recognition/Browning Degree

Recognition of color deviations in packaging or inspection of the browning degree for frying and baking processes



Shape, Volume and Dimension Control

Capture of dimensions, volume and shapes as well as identification of weight by means of volume measurement



Position Control

Inspection of correct positioning e.g. labels



Inspection of print images

Checking of print products such as labels and corporate logos etc. to identify possible print errors



Pattern Recognition

Location and classification of patterns during the inspection of parts



Quantity Control

Counting of objects based on code identification as well as on optical pattern recognition processes or volume measurement



Foreign Object Detection/ Empty Mold Inspection

Recognition of contaminants, residues and foreign objects in molds

A system for individual requirements

The MQCS has a modular hard and software concept with basic functions for the implementation of individual requirements. As an easy to integrate stand-alone solution, the MQCS is also suitable for upgrading existing facilities.

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+ Flexible application and adaptability

Modular software platform

In addition to the existing SICK software modules, application-specific software modules can also be easily integrated and flexibly developed. Based on this, future requirements can be rapidly and performantly implemented.

Scalable hardware

Our selection of robust and reliable SICK sensors can be aligned to the existing process requirements depending on the application.

Autonomous operation

Integration of the MQCS takes place without interfering with the customer's control of the machine. As a result, hard and software functions are independent of the customer's system and make individually required usage possible.

+ Fast and simple integration and operation

Uniform operating concept

All MQCS Systems have a uniform operating concept for intuitive operation and maintenance, whereby training expenses can be reduced.

Adjustable user rights

Individual users can be assigned different authorizations and tasks. Therefore, seamless data transparency is ensured, while individual user levels are protected from unauthorized access.

Intuitive data access

The touch display enables the visual display and control of information captured by the sensor and provides convenient access to data and sensor statistics.