



## Initial inspection

DECADES OF EXPERIENCE PROTECTING YOUR EMPLOYEES

Verification and optimization

**SICK**  
Sensor Intelligence.

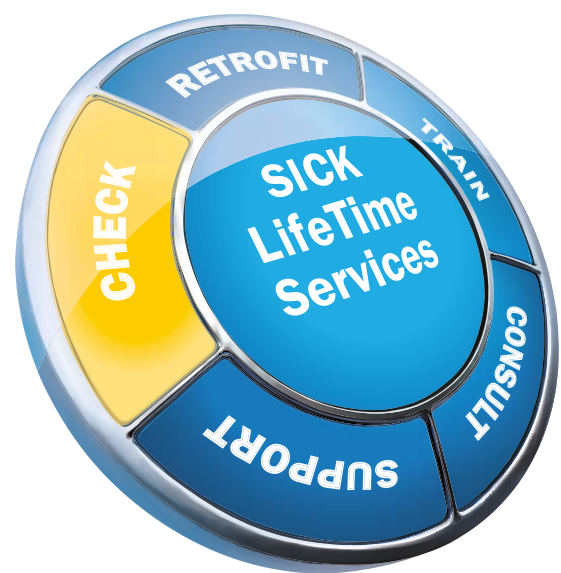
### Initial inspection

Production plants and machines are increasing in complexity due to shorter lead times and high requirements on employees. That makes it all the more important for operating personnel in particular to be able to rely on the safety of the machines.

For this reason, ensuring the safety of machines and plants is not only the responsibility of the manufacturer. Machine and plant owners are especially obliged to help provide safe work equipment. The experts at SICK use their knowledge and experience to support the operating company in this regard.

Inspecting a machine or plant before the initial commissioning ensures that it has been mounted properly, that the safety-related equipment is suitable and functioning safely, and that these steps have been completed and documented accordingly.

To ensure a consistently high level of testing quality, SICK experts are certified and their expertise is reviewed and audited on a regular basis.



[www.sick.com/inspection](http://www.sick.com/inspection)

## Range of services

### Components of the SICK initial inspection

- Checking for the presence of required documents (risk assessment, installation instructions, operating instructions, **EU only:** CE conformity or installation declaration)
- Determining the correct selection of technical protective devices according to the standard requirements
- Evaluating the protective devices to ensure they have been installed correctly and according to the specifications
- Inspections carried out by trained, experienced experts on the installation and operation of the protective devices according to current machine usage requirements
- Checking that the protective devices have been correctly integrated up to signal transmission in the safety-related part of the control by type and category
- Exclusion of all foreseeable possibilities of bypassing the protective devices as a result of misuse within the scope of the test
- Readjustment of the optical protective devices and removal of any impurities (if required)
- Documentation and recommendations for removing any possible deficiencies within the scope of the test
- Preparing and reviewing the inspection report as a part of the machine documentation
- Award of an inspection seal in the case of positive test results

## Prerequisites

### Prerequisites for a SICK initial inspection

- Documentation: operating instructions, installation instructions, risk assessment for the machine in its intended area of use, **EU only:** CE conformity or installation declaration
- Measurement protocol for the manufacturer's stop time measurement. Alternative: commissioning with the initial inspection
- Operational machinery including tools with installed and functioning protective devices
- Experienced operator or maintenance technician to operate the machine in all operating modes

## Our expertise

Do you export or utilize machinery worldwide? Then we have the expertise to ensure your compliance with legal requirements all over the world. Our more than 150 functional safety experts in over 80 countries are nearby for you and your projects. We are available on-site to support you with our expertise in functional safety.

Our tailored, custom-built solutions, safety systems and services are underpinned by the years of experience we have acquired installing countless machines and plants – and they are ready for the requirements that the future will bring. This allows us to constantly increase the level of integration between safety and productivity.

## Possible additional services

- Stop time measurement

## Your benefits

- Qualified analysis on compliance of the protective device with protection targets
- Proof of implementing the legal testing requirements
- Written documentation in the form of an inspection report
- Completion of machine documentation
- High testing quality through certification and periodic inspection conducted by the inspection body according to ISO IEC 17020 and on-going competency management
- Quick identification of the safety status and the period of validity by means of test seals
- Safety is ensured due to early detection of changes to application conditions and manipulations
- High machine availability through regular inspections and, if necessary, readjustments or removal of impurities

