



COMPETITIVE SOLUTIONS FOR THE PACKAGING INDUSTRY

Attractive design is a key factor for successful end products. And the sky's the limit when it comes to creativity. Products and product packaging change continuously in the automated packaging industry. The machines and used components are expected to process the variations in products and their packaging without problem.

“Our customers strive to make the production processes faster, more flexible, more stable and more transparent – all of our activities focus on this objective.”

The packaging systems sector is not a homogeneous industry, but rather an important process in segments such as beverages, foodstuffs, pharmaceuticals and other consumer goods. Expectations with regard to hygiene, robustness and speed are extremely high in the processing and packaging of the specific products. Demands with respect to safety at work are just as great or even more so.

As an industry specialist, we are familiar with the challenges of the respective industries and their specific requirements and offer customized solutions.

Until just a few years ago, sensors had to be set up manually each time a product was changed – today, connection via IO-Link provides reproducible remote calibration and continuous monitoring. This makes our solutions ready for Industry 4.0.

Roland Schricker,
Industry Manager Packaging



High and consistent quality

Consumers place great demands on the consistent quality of products. The primary packaging ensures that the quality of your products remains at a continuously high standard. Our sensors ensure the smooth combination of product and packaging and thereby safeguard the level of quality.



We know your needs

Your goal is to maximize the performance of your system. You therefore need a competent partner who understands the operations involved in your industrial processes. Our employees have detailed application knowledge as well as many years of experience and, together with you, will find the best possible solution.



Future-proof thanks to modern technology

Modern production features predictive maintenance and remote serviceability. You want to utilize the new communication technologies in factory automation and prepare your packaging system for Industry 4.0? We offer all established technologies from IO-Link for binary-switching sensors to Ethernet-based interfaces for more complex devices.



Elimination of downtimes maximizes efficiency

The requirements are many and varied. Your packaging systems must operate with maximum stability and reliability. Our sensors are powerful and robust. The extremely high protection classes of the devices and the use of high-quality housing materials ensure a long mission time and a high level of availability, thereby reducing costs.

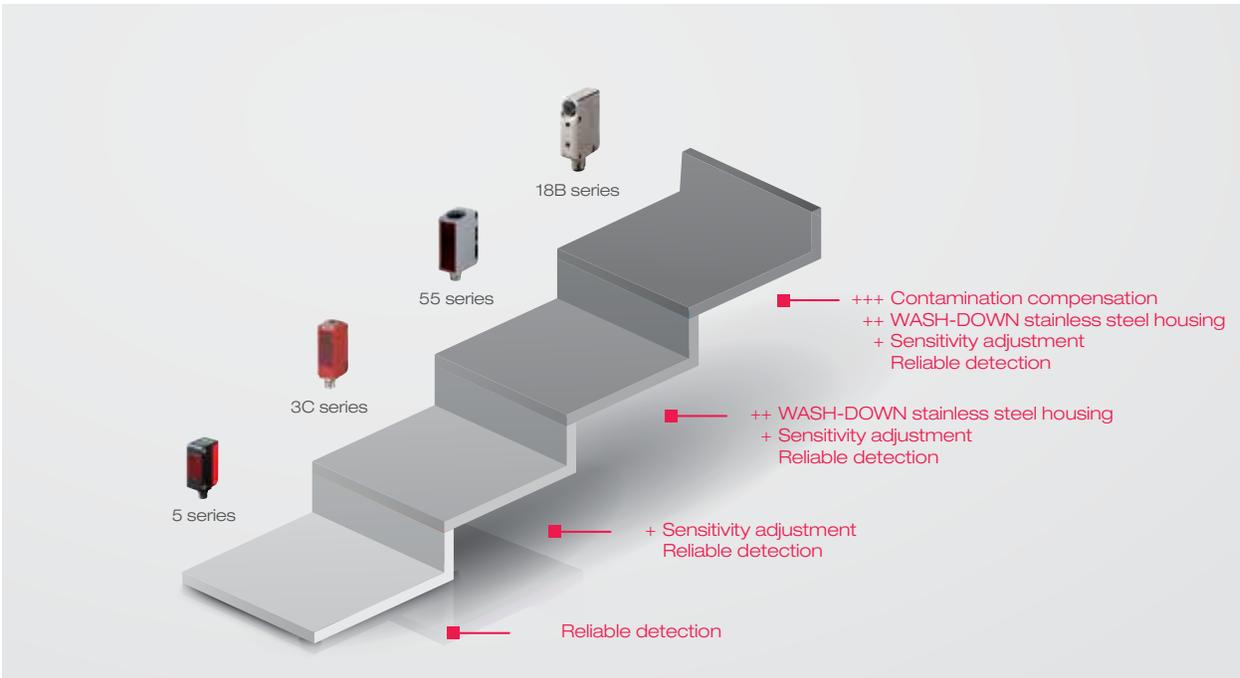


MANY OPTIONS ENABLE THE OPTIMUM SOLUTION

We offer a scaled product range. This provides us with a wealth of possibilities from which we can choose the best and most cost-effective solution for your application.

Much more important than an attractive price is a sustainably functioning solution – tailored to the requirements of the customer and the existing production conditions. For many applications, we therefore offer a scaled product range. This means that we are able to provide various solutions for an application. For example, transparent objects are used in many areas of packaging technology. The detection of these transparent objects requires a high level of sensitivity, which all of our sensors with transparent function have. If increased loads caused by soiling or intensive cleaning are a factor, our scaled product range offers functionalities in addition to the reliable basic function.

Our sensors achieve their tasks in a targeted manner and with the best possible cost/benefit ratio so that the customer only pays for what he actually needs. Whether simple standard requirements or complex special tasks: Together with our experienced employees, you will find the best and most efficient solution. Sometimes a single product is enough, and sometimes a smart combination of optimally matched components is needed. Our decades of experience guarantee that we always offer you a tailor-made solution which will allow you to master current and future tasks.



Detection of transparent objects

ABSOLUTE HYGIENE

The high hygiene standards in the pharmaceutical and foodstuffs sector call for intensive cleaning processes. The sensor system must permanently withstand these processes.

Products contaminated with germs can not only endanger consumers, but also badly hurt the reputation of the company that produced the product and cause it major economic damage.

To ensure absolute hygiene, cleaning is performed continuously at regular intervals, particularly during product creation and primary packaging. All integrated components must be able to withstand not only the aggressive chemical cleaning agents, but also the strong thermal and mechanical stresses of high-pressure cleaning.

Our special housing design, with as few grooves and recesses as possible, prevents microbial contamination and ensures the safe manufacture of foodstuffs and pharmaceuticals.

The high-quality stainless steel series 53 and 55 as well as the food-neutral plastic housings of the C generation of our standard series have degree of protection IP 69K and are ECOLAB-certified. Furthermore, we subject these sensors to an extended internal long-term test that we call *CleanProof+*.



Maximum IP protection

- Sensors with high protection classes (IP 67 / IP 69K)
- Particular suitability for all application areas because fluids and solids cannot penetrate



ECOLAB certification

- Sensors are certified in accordance with the ECOLAB industry standard
- All components withstand all commonly used chemicals and standardized cleaning processes



Extended resistance test

- Test specified by Leuze electronic which goes beyond the usual ECOLAB industry standard
- Resistance tests with extended temperature ranges and time cycles