

Quality assurance at the highest level
Vision Inspection Systems



SealSecure:
Optical inspection for efficient validation of package seals



PackSecure T:
Seal and label inspection integrated in thermoforming machine

PackSecure L:
Combination of seal check and label check in a standalone device



LabelSecure:
Efficient control of packagings and labels applied to them

WHAT IS A Vision Inspection System?

A vision inspection system is an automated tool that uses cameras and software to inspect products as they move through production. It can check for things like presence or absence of parts, surface defects, or incorrect assembly. These systems are faster and more accurate than human inspectors, which means fewer mistakes and higher efficiency. In industries where accurate measurements are critical, like pharmaceuticals or food, these systems ensure products meet all standards before they reach customers.

Key Benefits of Vision Inspection Systems

1. Better Quality Control

A vision system provides precise and reliable quality control. It can spot tiny defects or missing parts that a human eye might miss.

This reduces the number of defective products that reach customers, protecting your brand's reputation and cutting costs related to returns or recalls.

2. Higher Efficiency

When you integrate a vision inspection system into your production line, you save time and reduce human error.

The system operates at high speeds, inspecting products much faster than

manual inspections.

This leads to a smoother, more efficient production process, helping you meet demand without sacrificing quality.

3. Flexibility Across Industries

These systems can be used in many industries because they can inspect a wide range of products.

Whether you're working in electronics, food, or automotive, a vision system can be customized to meet your specific needs. It can check for various issues like incorrect assembly, missing parts, or defects in packaging, all while running at top speed.

VISION INSPECTION SYSTEM LabelSecure: Efficient control of packagings and labels applied to them

The Bizerba LabelSecure vision inspection system automatically checks label position and texts. Bizerba LabelSecure can be integrated in conveyor lines with dynamic checkweighers. Thereby offering a high level of flexibility and adaptability to existing systems.

HIGHLIGHTS

- Touchless and non-destructive quality control of labels
- Prevents incorrectly labelled packages in retail
- Suitable for many packaging types
- Safe and easy operation:
- Intuitive user interface
- Setting and adjusting parameters via remote
- Inline versions for 100% control:
- Can be easily integrated in existing production lines, max. 2 m incl. rejection

- Flexible due to automatic product change
- Future-safe & flawless GS1 Digital Link Support
- Automatic rejection of packages not conforming with reference criteria

100 % check

- Integrated, fully automated system for a packaging line
- Automatic rejection of non-conforming packages
- Real-time process analysis and control
- MES-compatible: Controlling upstream and downstream processes
- Automatic reporting for quality assurance



VISION INSPECTION SYSTEM PackSecure L: Combination of seal check & label check in a standalone device

Complete optical control of packages: With PackSecure you meet key criteria for an optimal product quality – An undamaged seal and correct labelling. The system completely checks each product side for any damaged seals, incorrect labels or information. Packages which do not meet the defined criteria are automatically rejected. PackSecure inspects seals, labels, and information on any side of packages. The optical system prevents rework on defective packaging not corresponding to the specification, complaints and product recalls. PackSecure informs the operator about defects or problems during production.

HIGHLIGHTS

- Complete optical control of packages: Simultaneous checking of seal and labelling
- Prevents incorrectly labelled and leaking packages in retail
- Automatic rejection of packages not conforming with reference criteria
- Modular design to allow integration of a broad spectrum of sensors that match inspection requirements
- Suitable for packaging lines with automatic product change
- Suitable for many packaging types:

Thermoformed or top sealed trays and flow packs with transparent, partly colored or printed seal

- Upgradeable for future requirements
- Hygienic design and time-saving cleaning
- Software for complete tracking of all products: Saving of images incl. date and time, counter, production and machine logbook
- Safe and easy operation:
- Intuitive user interface with color touch screen
- Offline parameter-setting allows manual adjustment of parameters based on saved images on the device or PC
- Can be easily integrated in existing production lines, max. 2 m incl. rejection



VISION INSPECTION SYSTEM PackSecure T: Seal and label inspection integrated in thermoforming machine

The PackSecure T vision inspection system for seals is a leading solution developed by Bizerba to ensure the integrity of packaging seals. This system plays a key role in preventing contamination and ensuring quality, which are essential for maintaining seal integrity. PackSecure T performs a 100% inspection of packages and detects defective seals that can be rejected, preventing potential rework, customer complaints or product recalls.

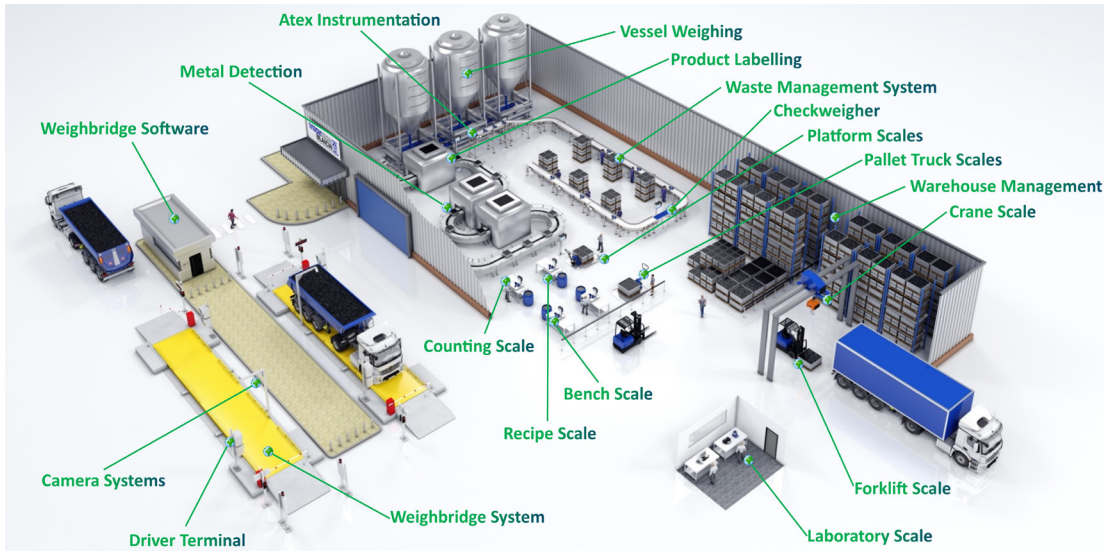
(thermoformed or top sealed trays and flow packs, seal area can be fully transparent, partly colored or printed)

- Upgradeable for future needs
- Hygienic design and time-saving cleaning
- Software for complete tracking of all products: Saving of images incl. date and time, counter, production and machine log
- Safe and easy operation:
- Intuitive user interface with color touch screen
- Offline parameter-setting allows manual adjustment of parameters based on saved images
- Easy installation on existing lines (max. 2 meters including rejection)
- Product images and technical information may differ.



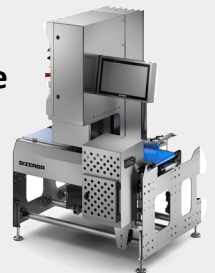
HIGHLIGHTS

- Contact-free and non destructive seal integrity inspection
- Prevents leaking packages
- Automatic sorting of products which do not correspond to reference criteria
- Modularity to integrate a wide variety of sensors according to control requirements
- Well suited for multi-format lines with automatic changes
- Robust optical and vision systems resulting from 30 years of Luceo expertise
- Compatible with a wide range of packages



SEALsecure Basic: Optical Inspection

SealSecure basic checks seal areas of packages and rejects packages with contaminated seals and warns users in the event of repeated failures by means of an alarm allowing them to solve the problem immediately. SealSecure basic thus prevents extensive rework on untight packages as well as claims and product recall due to leaky or spoiled packages. This ensures that only flawless products reach the market. Furthermore, products can be fully tracked since all images recorded during production can be archived. The monitoring of the packaging process is ensured by quality reports which are prepared on a regular basis. **SealSecure basic is compatible with numerous packaging types.**



GlobeWeigh providing TOTAL SOLUTIONS FROM WEIGH PRICE LABELLERS TO WEIGHBRIDGES TO BENCH SCALES

Globeweigh's skilled engineers are trained to support a diverse range of weighing equipment from laboratory balances through to weighbridges. Our core philosophy is based on identifying and remedying any potential problems ahead of time, thereby optimising your equipment 'uptime'. Contact us to find out more about service and support programs for automatic and

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KEEPING YOUR CRITICAL WEIGHING EQUIPMENT IN TIP-TOP CONDITION

We appreciate and understand the importance of a well defined and implemented service and maintenance program. Your equipment and installation have their own specific requirements and will only perform as well as the maintenance program you have in place. Our support packages are designed to suit your exact needs, giving you time to focus on the efficient running of your business, without having to worry about breakdowns. Service visits are arranged to suit your company's working pattern and we can fit in with scheduled shutdowns or plan visits during evenings and weekends. If your equipment is used more extensively at certain times of the year

due to seasonal influences, we will assess this and provide a plan that is just right for your business.

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Globeweigh offers a comprehensive service, calibration and support capability for a wide range of industrial weighing equipment throughout Ireland. We support both our own and other manufacturers' weighing equipment, and packages can be tailored to meet your specific operational and fiscal requirements. **Service is available from our centres in Armagh and Cork, with 24 hour cover also available for companies operating around the clock and at weekends.**

- 🌐 Coverage for public & bank holidays
- 🌐 Coverage for week-ends
- 🌐 Priority four hour response time
- 🌐 24 hour telephone support

 NSAI Authorised Verifiers	 Directive 2014/31/32	 ISO 9001:2015 Quality	 ISO 45001:2018 Health & Safety	 ISO 14001:2015 Environmental
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