

Fact Sheet

PackSecure

BIZERBA

Complete optical control of packages: With PackSecure you meet key criteria for an optimal product quality – n undamaged seal and correct labeling. 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.

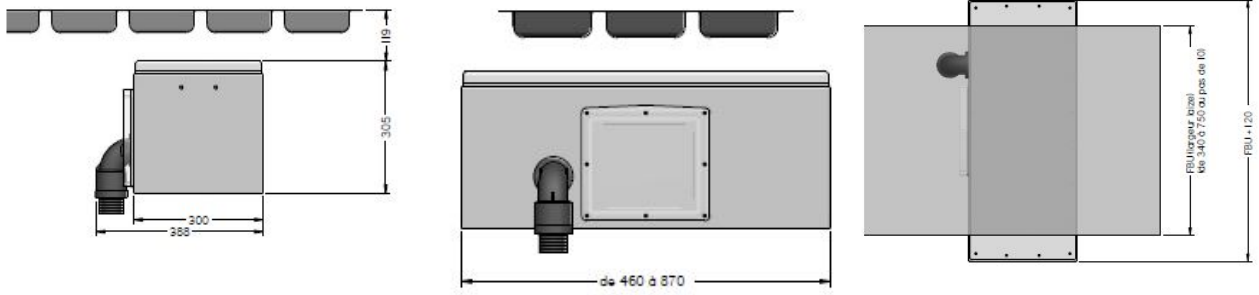


More information
High performance with a wide range of solutions and options.

Specifications	Facts	Details
Functions	<p>Detects</p> <ul style="list-style-type: none"> – Contaminations/foreign bodies in the seal on trays, flow packs and cups <p>Checking of presence, position and orientation of labels</p> <p>Reads information such as characters and codes on any side of the package</p> <p>Checks matching of labels</p> <ul style="list-style-type: none"> – No integrated rejection device but reporting of detected errors 	<p>Contaminations/foreign bodies from 1 mm²</p> <p>Independent of printing technology (ink-jet, thermal transfer, laser)</p> <p>Checks, for example, whether top and bottom labels match.</p> <p>Transmits information in two ways:</p> <ul style="list-style-type: none"> – TCP/IP protocol: Sends the position information of the individual packages within the group – Sends digital signals to peripheral devices (printer, robot, rejector...) with package tracking up to the thermoformer output
Integration	<p>All parameters are checked by the sensors integrated in the thermoformer.</p> <p>PackSecure T is compatible with all common thermoformers and can be used for numerous inspection tasks</p>	
Versions	basic	Recognizes contaminations in the seal
Camera system	<p>Two to four sensors used to check the seal for foreign body and/or the seal quality as well as the labeling</p> <p>Line scan camera</p> <p>Protected against ambient light and manipulations</p>	<p>Sensor consists of camera, lighting, and accessories. The quantity depends on the number of sides to be checked.</p> <p>The image recording field adjusts to the size of the products to be inspected. Life of LED lighting is more than 5 years.</p> <p>The pixel size (0.10 to 0.16 mm²) allows detection as from one square millimeter.</p> <p>No external influences on the inspection results</p>
Dimensions	<p>Sensor: 460-870 mm x 388 mm x 310 mm (L x W x H)</p> <p>Back lighting: 460-870 mm x 238 mm x 190 mm (L x W x H)</p> <p>Control cabinet on castors: 650 mm (850 mm with cooling device) x 780 mm x 1,800 mm (2,130 mm with signal lamp) (L x W x H)</p>	<p>The length of the sensor housing depends on the film width (340 to 750 mm). Other lengths on request.</p> <p>The length of the housing depends on the film width (340 to 750 mm). Other lengths on request.</p> <p>Color touch screen, processing system, operating elements for the lighting, power supplies, input/output terminal blocks and connector housing</p>

	Coating to protect supply, control and communication cables between sensors, lighting and control cabinet	
IP rating	IP66 for sensors and lighting IP65 for the control cabinet	All optical inspection components are integrated in a tightly sealed stainless steel housing
Device performance	15 operating cycles per minute	Adjustable to common maximum conveyor speeds
Processing system	Industrial PC	<ul style="list-style-type: none"> – Operating system: Windows IoT Standard 10 – Processor Intel® Core™ i7 – Real time image processing card
Interfaces	USB ETHERNET	Connection to customer network via Ethernet (TCP/IP possible)
Compatibility	<p>Hardware integration in the thermoformer</p> <p>Compatible with most installed thermoformers or project planning in cooperation with thermoformer manufacturer</p> <p>Protocol of communication with the peripheral devices</p> <p>Printing systems, external rejection systems (retraction belt, divider, robot etc.)</p>	
Power supply	230 VAC; 50 Hz / 110 VAC, 60 Hz (incl. transformer) + single phase + ground uninterruptible power supply (UPS) system for computing and display units	Open to other local voltage with a transformer
Ambient temperature	1 °C to 35 °C	With cooling device as from 10 °C
Humidity	Max. 85%, non-condensing	
Optical signaling device	Signal lamp	Visual alarm for detection of non-conforming package
By-pass mode	Inspection tasks can be deactivated	
Specifications	Facts	Details
Checks	<p>Checking of product presence in a package</p> <p>Appearance and arrangement of the products in the packaging</p>	Other inspections based on feasibility upon request
Production control	Communication interface to the process	<p>Data transfer within the factory concerning:</p> <ul style="list-style-type: none"> – System performance (monitoring of the device cycle, process data etc.) – Production monitoring (history of batch changes, test statistics, archiving of batch changes)
IP rating	IP66 for the control cabinet	<ul style="list-style-type: none"> – Buttons – Emergency stop switch – Display
US-Special current transformer	115 V AC	

Dimensional drawings



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