

# Fact Sheet

## SealSecure T

**BIZERBA**

**Seal inspection by vision: contamination and quality as key criteria for seal integrity.**  
**SealSecure checks 100% of packages.**  
**Defective seals are detected and can be rejected.**

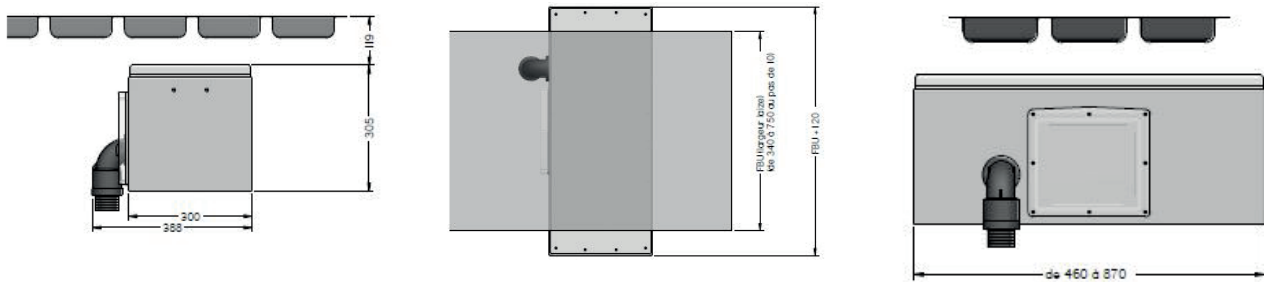


**More informationen**  
 High performance  
 with a wide range of  
 solutions and options.

Specifications	Facts	Details
<b>Functions</b>	<p>Detects</p> <ul style="list-style-type: none"> <li>– Contaminations/foreign bodies in the seal on trays, flow packs and cups</li> </ul> <p>No integrated rejection device but reporting of detected errors</p>	<p>Contaminations/foreign bodies from 1 mm<sup>2</sup></p> <p>Transfers information depending on two modes:</p> <ul style="list-style-type: none"> <li>– TCP/IP protocol: sends information converted into mapping</li> <li>– sends digital signals to peripherals (printing, robot, rejector...) with tray tracking till the output of the thermoformer</li> </ul>
<b>Integration</b>	All parameters are checked by the sensors integrated in a thermoformer.	SealSecure T is compatible with all common thermoformers and can be used for numerous inspection tasks.
<b>Versions</b>	Basic	Detects contaminated seal
<b>Sensor</b>	<p>One sensor</p> <p>Line scan camera</p> <p>Protected against extraneous light and manipulation security</p>	<p>Sensor consists of camera, lighting, and accessories. The image capture 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 mm<sup>2</sup>) allows detection as from one square millimeter.</p> <p>No external influences on the inspection results</p>
<b>Dimensions</b>	<p>Sensor: 460-870 mm x 388 mm x 310 mm (L x W x H)</p> <p>Backlighting: 460-870 mm x 238 mm x 190 mm (L x W x H)</p> <p>Control cabinet on wheels: 650 mm (850 mm with cooling device) x 780 mm x 1800 mm (2130 mm with signal lamp) (W x D x H)</p> <p>Sheath holding power-supply, control and communication wires between sensors, lighting and electrical cabinet</p>	<p>The length of the optical sensor depends on the film width (340 to 750 mm). Other widths upon request.</p> <p>The length of the housing depends on the film width (340 to 750 mm). Other widths upon request.</p> <p>Color touch screen, processing system, operating elements for the lighting, power supplies, input/output terminal blocks and connector housing</p>
<b>Protection type</b>	IP66 upgrade for sensors and lightings IP65 for the control cabinet	All components are integrated into a tightly sealed stainless steel housing
<b>Device performance</b>	15 operating cycles per minute	Adjustable to common maximum conveyor speeds
<b>Processing system</b>	Industrial PC	<ul style="list-style-type: none"> <li>– Operating system: Windows Embedded Standard 7</li> <li>– Processor Intel® Core™ i7</li> <li>– Real time image processing card</li> </ul>
<b>Interfaces</b>	USB	

	Ethernet	Connection to customer network via Ethernet (TCP/IP possible)
<b>Compatibility</b>	Hardware integration in the thermoformer	Compatible with most installed thermoformers or cooperation with thermoformer manufacturer during planning
	Protocol of communication with the peripheral devices	Printing systems, external rejection systems (retraction belt, divider, robot etc.)
<b>Power supply</b>	230 VAC; 50 Hz / 110 VAC, 60 Hz (incl. transformer) + single phase + ground uninterruptable power supply (UPS) system for computing and display units	Open to other local voltage with a transformer
<b>Temperature range</b>	1 °C to 35 °C	With cooling device when above 10°C
<b>Humidity</b>	Max. 85%, non-condensing	
<b>Warning device</b>	Signal lamp	Visual alarm for detection of non-conforming package
<b>By-pass mode</b>	Possible to disable the inspection task	
<b>Options</b>	<b>Facts</b>	<b>Details</b>
<b>Checks</b>	Detection of presence of products in the tray	Other inspections based on feasibility upon request
	Appearance and arrangement of the products in the packaging	
<b>Production control</b>	Communication interface to the process	Data transfer within the factory concerning: <ul style="list-style-type: none"> <li>– System performance (monitoring of the device cycle, process data etc.)</li> <li>– Production monitoring (history of batch changes, test statistics, archiving of batch changes)</li> </ul>
<b>Protection type</b>	IP66 for electrical cabinet	<ul style="list-style-type: none"> <li>– Buttons</li> <li>– Emergency stop switch</li> <li>– Display</li> </ul>
<b>US-Special current transformer</b>	115 V AC	

## Dimensions



---

**Bizerba SE & Co. KG**  
Wilhelm-Kraut-Straße 65  
72336 Balingen  
Germany

T +49 7433 12-0  
F +49 7433 12-2696  
marketing@bizerba.com

**[www.bizerba.com](http://www.bizerba.com)**