# Fact Sheet
## SealSecure L

**BIZERBA**

*Seal inspection by vision: With SealSecure you meet key criteria for an optimal product quality – a clean and undamaged seal. The system checks packages for any damaged seals. 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** | Detects | |
| | – Contaminations/foreign bodies in the seal on trays, flow packs and cups | Contaminations/foreign bodies from 1 mm² |
| | – Poor seal quality | Air bubbles, wrinkles in the top film |
| **Integration** | All these functions are efficiently fulfilled by one compact machine for an easy end-of-line integration. | |
| | Before case packing, the stand-alone inspection machine detects defective packs and is able to reject them. | |
| **Versions** | basic | Detects contaminated seal |
| | pro | Detects contaminated and poor-quality seal |
| **Camera system** | One or two sensor(s) used to check the seal for foreign body and/or the seal quality | Sensor consists of camera, lighting, and accessories. |
| | | The image recording field adjusts to the size of the products to be inspected. Life of LED lighting is more than 5 years. |
| | Line scan camera | The pixel size (0.10 to 0.16 mm²) allows detection as from one square millimeter. |
| | Protected against ambient light and manipulations | No external influences on the inspection results |
| **Dimensions** | 910 - 1,380 mm x 1,016 mm x 1,645 - 1,965 mm (L x W x H) | Device dimensions without rejection unit |
| | | Width is 1,136 mm with cooling device |
| **Housing** | Design according to hygiene requirements | – EHEDG certified components |
| | | – Inclined surfaces for drainage of washing water |
| | | – No risk of glass splinters according to the HACCP directive |
| **IP rating** | IP65 | All optical inspection components are integrated in a tightly sealed stainless steel housing. |
| **Max. conveying speed** | 60 m/min. | |
| **Processing system** | Industrial PC | – 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) |

| | | |
|---|---|---|
| **Power supply** | 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 |
| **Ambient temperature** | 1 °C to 35 °C | With cooling device as from 15 °C |
| **Humidity** | Max. 85%, non-condensing | |
| **Maintenance** | Tool-free dismantling of conveyor belts in less than one minute | |
| **Optical signaling device** | Signal lamp | Visual alarm for detection of non-conforming package |
| **Conveying direction** | left to right right to left | |
| **By-pass mode** | Switch activated with a key | Allows continuous production even in case of an operating system failure |

| **Options** | **Facts** | **Details** |
|---|---|---|
| **Checks** | Checking of product presence in a package | Other inspections based on feasibility upon request |
| | Appearance and arrangement of the products in the packaging | |
| **Production control** | Communication interface to the process | Data transfer within the factory concerning:<br>– System performance (monitoring of the device cycle, process data etc.)<br>– Production monitoring (history of batch changes, test statistics, archiving of batch changes) |
| **Rejection unit** | Mechanical pusher | |
| **IP rating** | IP66 upgrade | – Buttons<br>– Emergency stop switch<br>– Display |
| **US-Special current transformer** | 115 V AC | |

**Dimensional drawings**
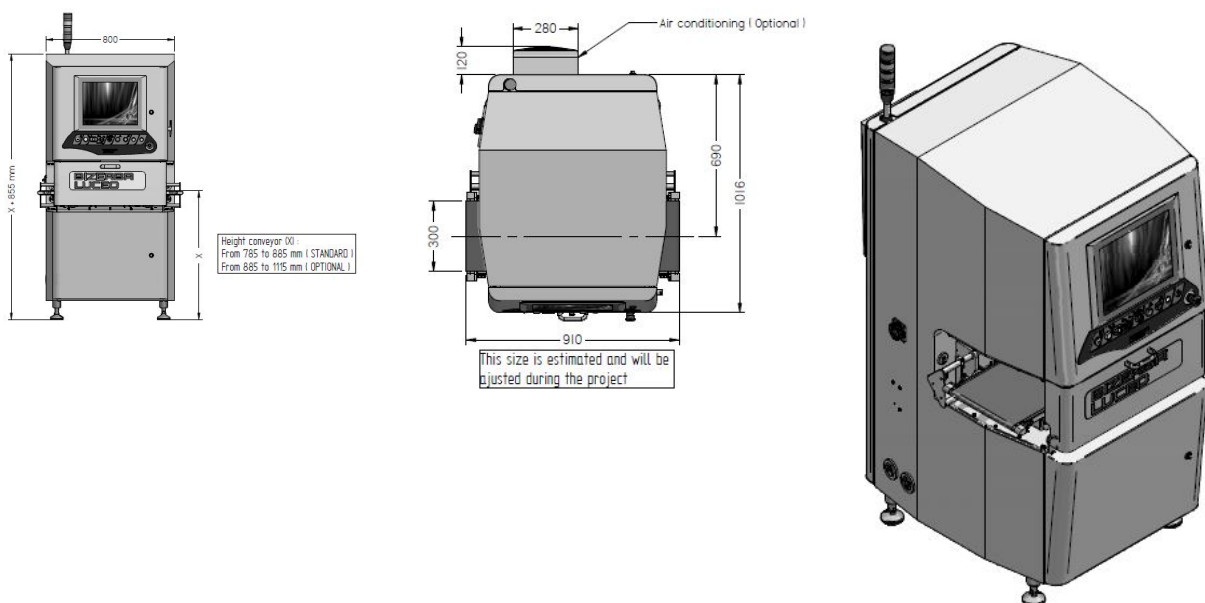
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