

ThermoSecure L advantages

- **Contact-free** and 100% inspection
- High technology for **high rate** image processing
- **Upgradeable** systems
- Option **IP65** frame
- **Easy installation** on existing lines (max. 2 meters including ejection)
- Traceability tool:
 - Image backup with date and time for good or defective products
 - Counters and production history
 - Machine history
- **User-friendly** interface displayed on color touch pad
- **Off-line** programming and adjustment from saved images
- **Real-time** display of correct or faulty products images
- Management of empty trays without any weighing system
- Equipment can be easily moved from one line to another
- **Reduced maintenance** system
- Self-diagnostic equipment
- Remote maintenance via Internet

Highlights

- Improved production and product quality
- Increased productivity thanks to automated encasing
- Cost reduction
- Protection of product brand

Cost reduction

- Reduces the costs of handling complaints, prevents the loss of brand image and loss of customers.
- Reduces the costs in terms of energy, materials and time incurred when a production fault is not detected immediately.
- Reduces personnel costs.

Members of the Bizerba Group

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More Information

High performance with a wide range of solutions and options.

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In 2015, Bizerba took over the French company Luceo, a technology leader in the field of optical inspection solutions. With years of experience in image analysis and a close collaboration with the food industry, Luceo has developed optical inspection systems for a complete automation of end-of-line packaging:

ScanFat

The solution for fat measurement of raw meat

SliceCheck

The solution for inspecting the appearance of sliced food

VisionRobot

The machine-vision package to guide robots while adding extra quality controls

ThermoSecure T

The inspection system which is integrated in FFS machines (seal, label, appearance)

ThermoSecure L

The stand-alone packaging inspection machine placed between packaging and case-packing (seal, label, appearance)

Contact



ThermoSecure L
Full packaging inspection by vision
For a complete automation of your end-of-line

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ThermoSecure L

Full packaging inspection by vision

Thanks to extensive expertise in image analysis and close collaboration with the food industry, Bizerba Luceo provides on-line product and packaging inspection systems and thus offers unique solutions for end-of-line automation.

ThermoSecure is compatible with a wide range of products and addresses a number of inspection needs (seal, label presence or reading, etc.).

A process-oriented system

ThermoSecure L offers at the outlet of the FFS machine or the top sealing machine:

- Real-time production monitoring with 100% viewing of defects
- Analysis of production utilizing counters and statistics
- Off-line programming for new products or new settings

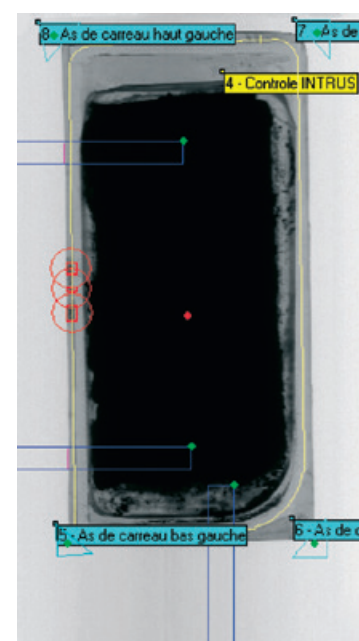
ThermoSecure L is the extension of the innovative concept of ThermoSecure T, a sensor integrated in a FFS machine.

ThermoSecure is the missing link to complete packaging end-of-line automation with the guarantee of constant and 100% inspection.



ThermoSecure L ejects tray packs with these defects at the outlet of the FFS machine or the top sealing machine:

- Foreign particle in seal
- Empty tray packs
- Film offset
- Incorrect position of top labels
- Incorrect position of bottom labels
- Wrong labels (e.g. invalid promotional stickers)
- Absence or incorrect position of use-by date printing
- Bad use-by date reading
- Bad barcode reading



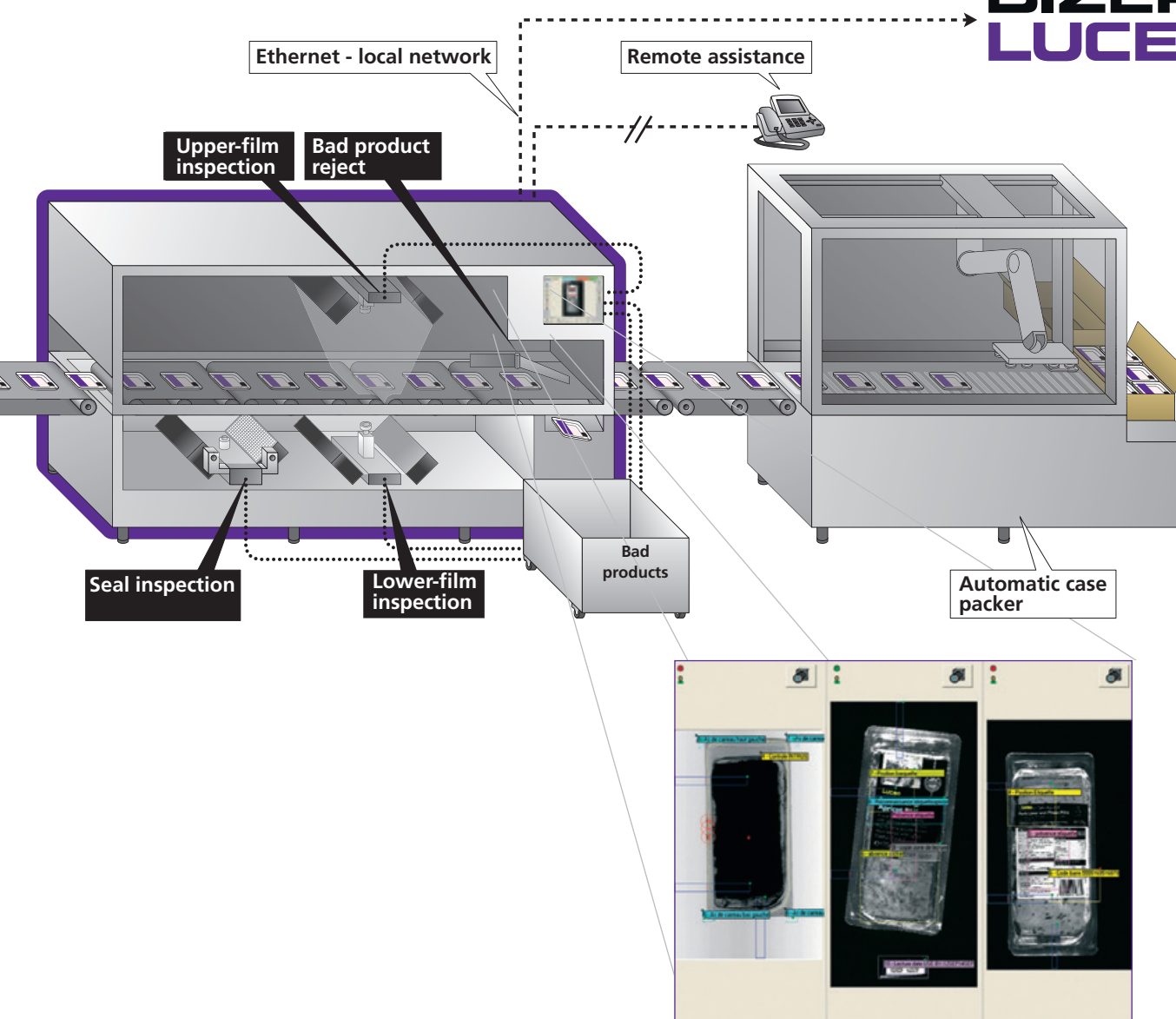
A modular solution

ThermoSecure L is composed of three ranges according to integrity inspection required:

- **ThermoSecure L100** seal
- **ThermoSecure L200** presentation (film, labels, use-by date...)
- **ThermoSecure L300** seal and presentation

The flexibility of the ThermoSecure L makes possible the inspection of a large range of tray-packs: thermo-forming, top-sealing, flow-pack, multi formats, opaque and transparent films, top/bottom printing.

By adding the module, Bizerba Luceo offers flexibility to answer the needs in future inspections.



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Immediate implementation

- Ejection integrated to the machine
- Autonomy: no additional conveyor even on existing lines
- Easy machine control thanks to color touch pad
- Speed: instantaneous production campaign change

Complete monitoring of production

- The operator defines the thresholds and tolerances for defects detection.

Cost-effective investment

- Simple mechanics and contact-free control for reduced maintenance
- Operation 7/7 on a 100% inspected production