

Pre-packed salads – perfection on a tray!

Traiteur de la Touques

This production unit of the Intermarché group, has called on Luceo to help perfect the packaging of their ready-to-eat salads. Since 2009, Le Traiteur de la Touques has been running a programme to automate their end-of-line systems, inspecting and optimising the quality of the pack seals using three ThermoSecure computer vision inspection systems.

Le Traiteur de la Touques employs 92 people and specialises in ready-to-eat pre-prepared salads. They supply hypermarkets, supermarkets and wholesalers in France, Belgium and Portugal. The company wished to install a computer vision system on their lines to inspect salads packed in trays, and to detect the presence of foreign material (pieces of the product) in the thermoformed seal area.



The Luceo solution was selected

Luceo recommended their ThermoSecure system, a computer vision inspection system capable of identifying the product, guaranteeing traceability, and ejecting any product where the seal had been contaminated or where the appearance of the product did not conform to specification.

The requirement called for the installation of a number of these systems directly into the thermoformer on the packing lines in order to inspect two different shapes of thermoformed tray packs (elliptical and rectangular) with a variable height and a printed film.

Luceo was able to satisfy all the requirements of Le Traiteur de la Touques using compact ThermoSecure computer vision systems to inspect the conformity of the filled thermoformed trays at rates of up to 90 to 100 trays per minute.

The advantages of ThermoSecure

- Compact machine designed to be built into an in-line thermoformer.
- Excellent image quality, even at high capture rates.
- A flexible solution capable of inspecting a wide variety of different packs.
- Seal inspection: Detection of any contamination in the seals, and inspection of the appearance of the seal, including the detection of open seals, creases and bubbles (subject to conditions).



- Label inspection: Verification of the presence, position and orientation of the labels, label recognition, readout of regulatory information (UBD, barcodes, weight and price, etc.), and detection of any misalignment of the top film

- Pack inspection: Verification of the tray dimensions and separation cut with the detection of hang-nails (unwanted material remaining after the separation cut), presence of the product within the pack, and the general appearance of the product in the pack.



A winning result for Traiteur de la Touques

By installing ThermoSecure systems, Le Traiteur de la Touques was able to improve both quality and productivity by reducing rejects at the packing stage and automating the packing process.

About Luceo Inspection Worldwide

Luceo Inspection Worldwide is a business unit within TIAMA group, the world leader in innovative inspection solutions based on computer vision technology.

Tiama is active in four major industry sectors: Automobile (Edixia), food and pharmaceutical industries (Luceo), ophthalmics (SGCC) and glass (MSC).

The Tiama group currently employs over 200 staff throughout the world, including Germany, Spain, the USA, and China.

Luceo employs a staff of 25 at their head office in France. Luceo designs, manufactures and installs a wide range of systems ensuring the quality, traceability and safety of individual packs.

www.luceo-inspection.com

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