



Food

Top x-ray technology for spices with top quality



Altes Gewürzamt (Germany)
Product: RAYCON D

RAYCON D complies with guidelines of the food industry such as BRC, IFS and HACCP.

The „Alte Gewürzamt“ is a family manufactory from Klingenberg am Main, where regionality and originality are principles. Ingo Holland started his manufactory in 2001 with only one employee. Today, 40 employees produce 120 tons spices and spice mixtures per year on 4.000 square meters.

During his successful career as a gourmet chef, founder Ingo Holland liked to experiment with spice blends. Unfortunately, he often found quality defects and therefore bought single spices to create his own mixtures. That was the foundation stone for the „Alte Gewürzamt“.

„**Taste and quality** - these two criterias are our top priority“, explains Ingo Holland, „only top quality is bought, processed and bottled“.

Only the best quality comes into the can

In order to be able to deliver products of the highest quality to the customers, it was not enough to control the raw materials and the further processing of them. The HACCP analysis revealed an increased risk of contamination with metal, stones and glass. An inspection at the outgoing goods was therefore required to meet the quality standards.

Where craft-production stops, begins end-of-line detection

After filling the green cans of tinfoil, the spices and spice blends are packed in boxes. The ready-to-ship cartons are then inspected for foreign bodies. The inspection is done with a machine equipment, although the „Alte Gewürzamt“ is still a manufactory.

Because the customers' biggest concern is any contamination, high-efficiency foreign body detection with x-ray technology is the right thing for the „Alte Gewürzamt“.

An x-ray machine can detect any foreign bodies that absorb x-ray radiation better than the surrounding product due to their density, chemical composition or mechanical dimensions.

The RAYCON D X-ray inspection system for packaged products combines the established and proven Sesotec detection technology with an outstanding design, which meets the requirements for easy operation and cleanability. The simple installation as stand-alone or with integrated separation system complete the features of any RAYCON unit.



RAYCON D as stand-alone unit

Main features of the RAYCON devices

- Highest detection accuracy
- Easy operation
- Easy cleaning and maintenance
- Easy installation

Main functions of the RAYCON software

- Autolearn
- Retain region
- Edge filter
- Weight function
- Count objects
- Ignore clips
- Activate image size
- Binning
- Custom filter

Due to the thick soils or edges of metal cans, the edge filter was particularly important for the „Alte Gewürzamt“. This feature allows you to inspect inside of the cans with higher sensitivity for the best detection accuracy. There are two zones, one at the edge, which will be checked with lower sensitivity and one inside which will be checked with higher sensitivity. The use of the edge filter makes it possible to detect more impurities in the filtered areas.



Original spice can / X-ray photo with edge filter function: the blue area will be checked for impurities with a lower sensitivity, all other areas with a higher sensitivity.

The other features and functions of the RAYCON were tested on site with a demonstration unit. With a sensitivity from 0.8 millimeters upwards, the customer expectations are met and gave, together with the competent consulting on site, the „Alte Gewürzamt“ the final arguments for the decision.

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Sesotec - an overview

The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries.

www.sesotec.com



Metal detection systems



X-ray inspection systems



Sorting systems



Magnet systems