

APPLICATION NOTE

METAL DETECTION APPLICATION FOR MEAT PRODUCTS

KONTROLS & INDUSTRIAL WEIGHING

Over the past 13 years we have executed a multitude of weighing, batching, filling and process measurement projects in such industries as; pharmaceuticals', chemical, metal detection, research laboratories, food, mining and defense.

EASY MAINTENANCE

Using European technology load cells and mounting kits. Ensures minimal attention and servicing

HIGH PRECISION WEIGHING

Accomplished by using the PR1713 in conjunction with software supplied by KIW



Metal detector implemented onsite at New land Foods. Metal detector model Genie 600/350 Genius +. Implemented into their existing conveyor belt.



Genie 600/350 Genius + model from S+S inspection

Summary

Newlands Foods in Queensland are a nationally recognised company for their quality supply of meats and ham. Their current metal detector was having difficulties detecting metal contamination in meats.

The most cost effect solution was to replace the existing non-conforming metal detector and use the existing conveyor. KIW specified, sourced and commissioned this metal detection project.

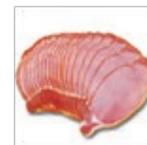
Solution and Servicing Benefits

After extensive research KIW engineers agreed on the Genie 600/350 from S+S Inspection. This unit complies with HACCP, IFS and BRC quality standards, compulsory in the food industry.

Special features includes a flashing LED tower and audible buzzing noise alerting the operator of metal contamination or any fault in the metal detector.

Requirements

Metal detection in meat is very challenging due to the high product effect caused by the moisture, iron and fat content in meat. In addition, there are a range of different meats that are entering the metal detector (eg. Bacon rashers, whole leg hams, packets of diced ham) which require different metal detection settings. Correct specification and commissioning were critical due to the nature of this product with the aim to achieve the best sensitivity and stability.



(i)



(ii)



(iii)

Products passing through the metal detector. (i) bacon rashers, (ii) shredded ham, (iii) sliced Frankfurt sausages



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After Sale Services

- Provided customers with a set of stainless steel, non ferrous and ferrous metal detection test pieces.
- Staff training session demonstrating the basic operation and any questions

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top priority

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Engineers during
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