

## ■ Hubers Landhendl, Pfaffstätt/Austria



### ■ The Problem

Hubers Landhendl located in Pfaffstätt, Austria was prompted by an end-customer audit and the desire to comply with IFS standards to install metal detection equipment at final inspection, in order to minimise the risk to end-users. Because of internal production operations and the limitations of space Hubers Landhendl decided to integrate the metal detection units into 3 existing production lines which convey produce into cold storage. Another advantage of locating the units at this point in production is that further metal contamination emanating from the processing operation is ruled out.

The intrinsic conductivity (product effect) of the individually packed products varies greatly. This means that not all products can be inspected using the same machine parameters. Manually switching the metal detector's product memory was out of the question since the packing cases with their varying contents are conveyed at relatively high speed (approx 28m/min) along an accumulation conveyor.

### ■ Details

- Necessary to switch product memory automatically for each packing case
- Requirement to divert contaminated product / packing case automatically
- Transport belts above one another

## UNICON-W 2500/450/600/350

### ■ Solution

The inventory control system scans the contents of the packing cases with a barcode reader thereby ensuring the system maintains a record of the product in each packing case. By means of an interface the inventory control system then supplies this product data to the metal detector which rapidly switches product memory to the current packing case. The packing cases can be separated by increasing the conveying speed of the metal detection conveyor.

When contaminants are found a pusher automatically diverts the rejected box onto a roller conveyor. The roller conveyor is completely enclosed and only accessible to authorised personnel.

The GENIUS control unit is especially suitable for applications where there is a high 'product effect', caused by moisture, salts and other conductive components. The 'Quattro' system enables the detection coil to operate at four different frequencies, providing increased capability for differing products with varying product effects to be reliably and accurately inspected.

### ■ Advantages

- The entire metal detection process is automated
- Every event can be retraced via the control system's integral logbook function.
- Protection of end products
- Tailor-made solutions for individual applications

### ■ The Result

"We have complex requirements and very demanding conditions, for example the low ambient temperatures and aggressive high-pressure washdown. The UNICON-W metal separation system is able to handle them all." (Quote: Rene Schaidreiter, Hubers Landhendl)

For more information about this project contact  
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