DMRI

Plastic detection
Product sorting

DynaCQ provides on-line inspection of your crates for product ID and destination and ensures the surface is free from unwanted contamination

AUTOMATIC PRODUCT DESTINATION

Sorting of products in crates or validation of product content for product destination is a time consuming task. DynaCQ can carry out both the quality control and check of content to save labour.

CONCERNED ABOUT FOREIGN OBJECTS?

Low density materials like plastic are used extensively in food pro- duction. However, if fragments unintentionally end up in product, they cannot be found by the conventional technologies for foreign body detection, i.e. x-ray and metal detectors that target high-density materials and metals. Even small fragments of plastic can cause con- siderable inconvenience for customers and can result in a significant recall cost for the supplier.

DynaCQ analyses image data captured on-the-fly and detects even minuscule unwanted objects on the product surface (down to 1.5x1.5 mm). With the DynaCQ quality inspection, you can prevent contami- nated products from reaching the consumer, and you can quickly take corrective actions to reduce product waste. Stored images can be used for documentation and root cause analysis.

DynaCQ measures product content in crates to check for contaminants and to determine content and automatic destination

DYNACQ OFFERS

- Automatic surface inspection for foreign objects (FO) including low density and non-metallic objects
- Automatic product identification for destination
- Documentation of your products by stored images
- Avoiding operator fatigue by automatic inspection

DynaCQ is designed to be installed on top of existing conveyors and is compatible with conveyor speeds in the meat industry.

The product destination application is released November 2018.

DYNACQ DETAILS

- Dimensions, cm: H120xW60xD82
- Field of view, cm: max 51, (option 75 ask for specifications)
- Power/use: 230V AC, 300W
- IP66/69 Cabinet
- Industry wash down air locks
- EMC, CE, EU 852/853/1935 (2004)
- Minimum detectable FO size: >= 1.5 mm by 1.5 mm (product and FO specific)
- Response time: exit unit (product, FO & belt speed specific)

The standard software checks the crates for different colored plastic fragments & crate fractures but the software can be adapted for numerous other quality checks replacing visual inspection:

- Detect foreign objects in meat cuts, steaks, dices, pulled and processed ground product placed on a conveyor belt, in a box or tray
- Monitor give-away in deboning processes, such as meat on bones and meat on fat
- Quality control of product styling of food products in retail packs e.g. from manually or automatically filled retail packs
- Quality control of composite food products in which number, positioning and quality of the individual composites is critical

Check your crate contents automatically with DynaCQ

ABOUT DMRI

DMRI conducts research and offers consulting on methods and technologies for the efficient production of safe, high quality and price competitive meat products. DMRI is committed to continuously improve workplace conditions and animal welfare as well as to take due care of the external environment.

CONTACT

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