



Anritsu Industrial Solutions USA Inc.

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Poultry Filet Inspection

KD7416ACM X-Ray Application Report



DISCOVER WHAT YOU'VE BEEN MISSING!



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Anritsu X-Ray Application Report

Model

X-Ray Model: KD7416ACM IP69k, Sanitary Design Model with Poultry Algorithm
Reject Model: (a) Drop Out
(b) Sweep Arm with Reject Table and X-Ray Monitor for operator

Production Line Details

Product: Full Butterfly or Half Filets
Dimensions: Up to 2" high maximum
Production Rate: 80ppm whole butterfly filets typical
120ppm surge was possible
Belt Speed: 40m/min
Orientation: Single File Preferred
Lack of orientation feasible
Single layer required
Packaging: None

Detection Accuracy Online

Ferrous Detection: 0.7 | 0.8mm sphere
Non-Ferrous Detection: 0.7 | 0.8mm sphere
Stainless Detection: 0.7 | 0.8mm sphere
Stainless Wire Detection: 0.6mm | 0.7 dia x 2mm long
Glass Detection 2.39g/cm³: 2.0mm to 3.0mm glass sphere (smaller possible)
Ceramic Detection 3.9g/cm³: 2.0mm to 3.0mm ceramic (smaller possible)
Pulley Bone Detection: 2mm to 4mm long pulley bone – 95% to 100%
Other Bones: 60% to 80% dependent on orientation and calcification

Application Notes

The more uniform the presentation of the filet is to the system, the better the results will be because the software can be maximized when the image is 'calm' as opposed to overlapped filets where the image is 'busy' with many shadows. If the Pulley bone, litigation bone or chocker bone is the concern and the product cannot be pumped, Anritsu offers a solution that is reasonably priced and accurate on all contaminants.

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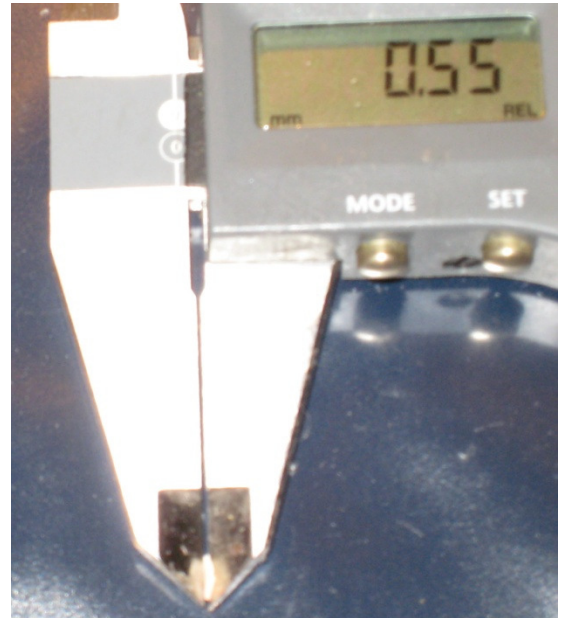
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Results and Imaging

Installation Picture



Actual Bones Automatically Detected (US Dime in center for perspective)



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