



Anritsu Industrial Solutions USA Inc.

1341 Barclay Blvd | Buffalo Grove | IL | 60089

PHONE: 847-419-9729

FAX: 847-537-8266

WEB: www.detectionperfection.com

POULTRY TRIM MEAT Pipeline X-Ray Application Report

New!



Highlights

- Fat/Lean Analysis
- Detection of 0.5 mm Stainless Steel
- 1-2 mm Pork/Beef Bone Detection
- 2-4 mm Poultry Bone Detection

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Anritsu X-Ray Application Report

Model

X-Ray Model:	KD7483AW
Reject Model:	Lee Ball Valve Reject System
Connection Type:	3" Tri-Clamp
Pipe Size:	3"
Pump Model:	Dual Piston Style

Production Line Details

Product:	Poultry Trim Meat
Dimensions:	3" pipeline presentation
Production Rate:	10,000 lbs/hr
Belt Speed:	N/A
Orientation:	Continuous Flow – Void Free in the Pipe
Packaging:	None

Detection Accuracy Online

Ferrous Detection:	0.4 0.5mm sphere
Non-Ferrous Detection:	0.4 0.5mm sphere
Stainless Detection:	0.4 0.5mm sphere
Aluminum Detection:	1.5mm sphere
Stainless Wire Detection:	0.3mm 0.4 dia x 2mm long
Glass Detection 2.39g/cm ³ :	2.0mm glass sphere (smaller possible)
Ceramic Detection 3.9g/cm ³ :	2.0mm ceramic (smaller possible)
Pulley Bone Detection:	~ 100% at 2mm to 4mm long
Fan Bone Detection:	Depends on orientation

Application Notes

Pipeline inspection provides excellent uniform presentation to control density presentation and maximize detection of low density contaminants. Special algorithms have been developed to improve bone detection without sacrificing full contaminant detection. Imaging to follow:

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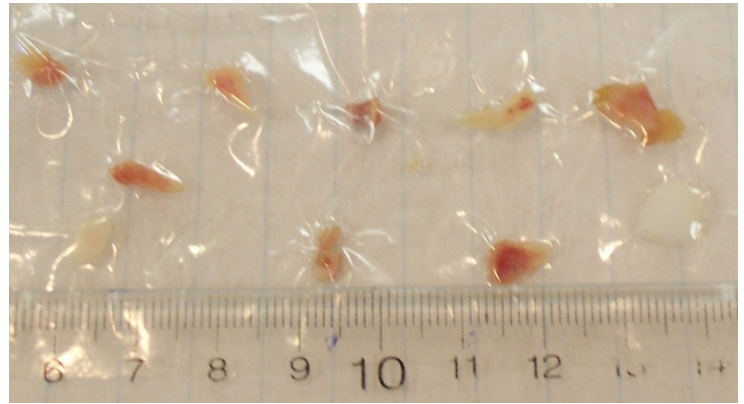
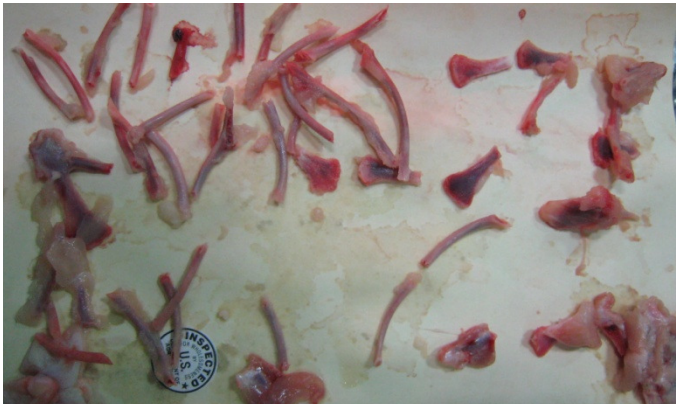
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Results and Imaging

DETECTED BONES



PIPELINE INSTALLATIONS



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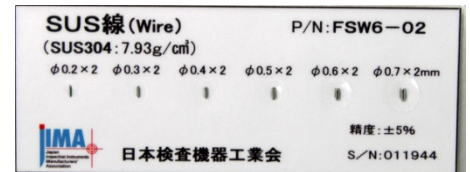
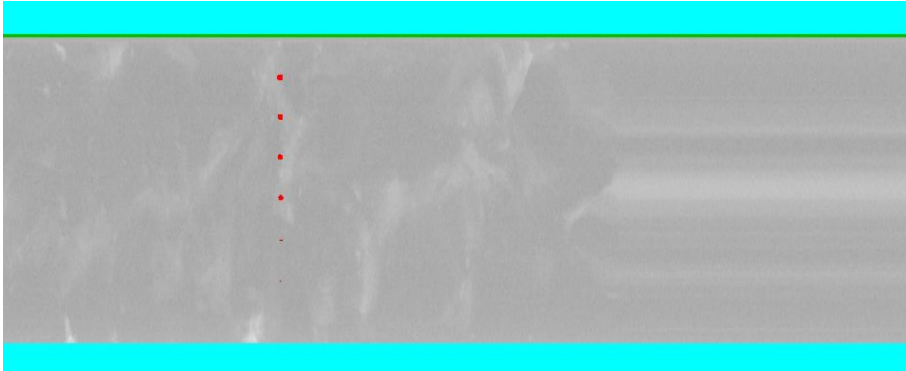
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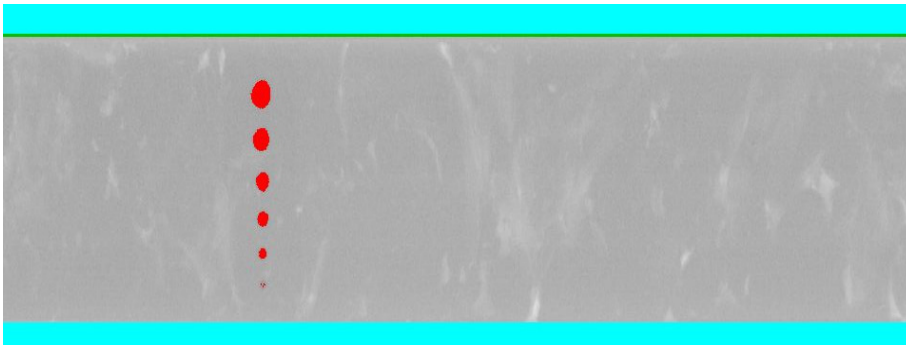
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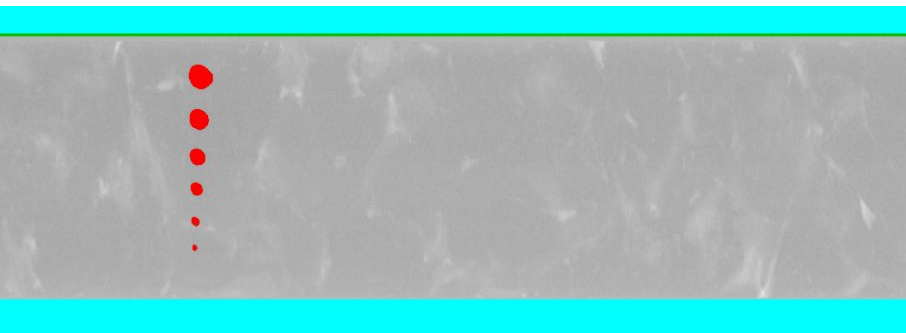
0.3mm x 2mm long (and larger) wire @ 7.93g/cm³ detected (RED)



3.0mm sphere rubber @ 1.3g/cm³ detected (RED)



2.0mm sphere glass @ 2.49g/cm³ detected (RED)



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