



Anritsu Industrial Solutions USA Inc.

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NUTRITION BARS KD7405AWH X-Ray Application Report

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X-RAY INSPECTION SYSTEMS
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X-RAY

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Anritsu

Anritsu Industrial Solutions USA Inc.
847-419-XRAY (9729)
www.detectionperfection.com

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Anritsu X-Ray Application Report

Model

X-Ray Model: KD7405AWH
Reject Model: Dual Station Air Blast by Customer

Production Line Details

	A	B
Product:	Snack Bar	Nut Bar
Dimensions:	1" wide x 1" tall x 7" long	1" wide x 1.25" high x 5" high
Production Rate:	300ppm	300ppm
Belt Speed:	90m/min	90m/min
Orientation:	Single File	Single File
Packaging:	Metallic Film and Aluminum Foil	Same

Detection Accuracy Online A

Ferrous Detection:	0.6 0.7mm sphere
Non-Ferrous Detection:	0.6 0.7mm sphere
Stainless Detection:	0.6 0.7mm sphere
Aluminum Detection:	2.0mm sphere
Stainless Wire Detection:	0.6mm 0.7mm dia x 2mm long
Glass Detection 2.39g/cm ³ :	2.0mm glass sphere
Ceramic Detection 3.9g/cm ³ :	2.0mm ceramic (stone)

B

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Application Notes

This application was for a high speed flow wrap production line to inspect various types of granola and health bars for contaminants. The standard KD7405AWH with 0.4mm resolution was used.

Additional benefits in this application are mass measurement, broken product inspection, dual lane inspection and possibly 'product in seal' detection to eliminate bad flow wrap crimp conditions. Mass measurement requires an infeed conveyor for settling.

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The reject system is a dual zone air blast system.

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