X-RAY FULL CONTAINER INSPECTION MACHINE





AN **ATS** COMPANY



Standard view



Panoramic view



X-ray is a valid method for tracing and rejecting various types of (high density) contaminants.

The minimum size is strongly rejected by the type of container, its shape and the type of product it contains:

- Glass fragments with sizes from 3x3x3 mm (glass in glass)
- Metal fragments (iron, steel, copper, etc.), with sizes from 1x1x1 mm
- Stones and bones with sizes from 3x3x3 mm
- Some plastics and rubbers depending on the composition and relative density.

The effectiveness of the control, as well as the minimum detectable defect, is proportionate to the minimum number of false rejects, which in Raytec systems is considered to be 3/1000 inspected products.

In addition to detecting foreign bodies, it is also possible to control:

- The shape and conformity of the container (such as dents or breakages)
- Filling level
- Easy Open side in tinplate cans.



TECHNICAL FEATURES	
Typical inspectable containers	Glass Jars, Tinplate Cans, Carton Bricks, Plastic Jars
Max diameter	155 mm [6"]
Max inspection speed	100 m/min (Standard 45 m/min) [328 ft/min (Standard 147 ft/min)]
Sensor height	307 mm [12"]
Pixel size	0,4x0,4 mm – 0,8x0,8 mm [0.015"x0.015" – 0.031"x0.031"]
Ejection type	Electro pneumatic Cylinder
Operator interface	17" color touch-screen monitor
External and/or remote access	Ethernet or modem
Frame material	AISI 304
Sensor protection degree	IP55
Power supply and consumption	
Power supply	3PH + GND
Voltage	400 V
Frequency	50 Hz
Power absorption (2 engines)	3 kW
Processing unit power absorption	500 W
High Voltage generator	300 W – 1kW
Electrical switchboard protection degree	IP55
Compressed Air	
Operating pressure	4÷6 bar [58÷87 psi]
Max air consumption	50 Nl/min [1.76 Ncuft/min] (**)
Weight	700 Kg

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