



Thermo Scientific Xpert B400/B600 X-Ray Inspection System

- Detects contaminants in bulk flows
- Maximized throughput
- Multilane rejection to reduce waste
- Easy to clean and maintain

Foreign object detection

in bulk food products prior to use as ingredients or packaged products

The Thermo Scientific™ Xpert™ Bulk X-ray Inspection Systems start where other contaminant detection approaches leave off. They are ideal for finding metal, glass, rock and other objects in bulk foods such as nuts, seeds, berries or vegetables. The systems come in two inspection widths to optimize throughput/cost and can be customized to fit your production environment.



Thermo Scientific Xpert B400/B600 X-Ray Inspection Systems

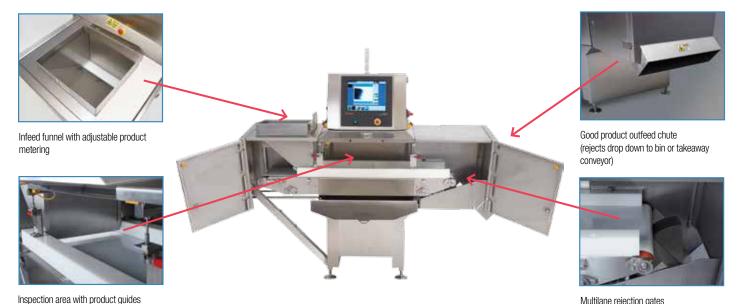
Application and X-Ray Specifications 70 kV, 1.2 mA (84W) or 80 kV, 2 mA (160W). B600 160W only X-ray Power **Detector Scan Rate** Up to 2800 lines/second **Detector Resolution** 0.8mm standard, 0.4mm optional on B400 **Detection Algorithms Available** Binary, Contrast, Gradient, Groups, Morphology Inspectable Belt Width 286 mm (11.3 in) at up to 75 mm (3 in) product height (B400) 474 mm (19.5 in) at up to 75 mm (3 in) product height (B600) Belt Speed Range 10m/min to 64m/min (33ft/min to 210ft/min) Single lane or 4 lanes with separate reject gates Multilane Operation Maximum conveyable product weight 10 kg (22 lbs) 1350 mm (53 in) ± 75 mm (3 in) Input Funnel Height Output Chute Height 541 mm (21 in) ± 75 mm (3 in) System Length Approximately 2.4 m (94.5 in) X-Ray Shielding No curtains required Safety/Security Features X-ray power key, emergency stops, radiation curtains, LED X-ray imminent/on lights, all doors equipped with magnetic interlocks Human Machine Interface (HMI) 15-inch diagonal touchscreen with protective cover

Environmental, Electrical and Operational Specifications

Interface Languages Available

Environmental, Electrical and operational operations	
Operating Temperature	+5°C to +40°C (+41°F to +104°F)
Machine Cooling	Built-in 2083 BTU (610 W) cabinet airconditioner
Relative Humidity	20% to 90% non-condensing
Electrical Input	190 to 240 VAC, 50/60 Hz, 20-amp service
USB Port	2.0, watertight port on outside of machine
Network Port	Ethernet
Compressed Air (for rejection devices)	80 psi to 100 psi (5.5 bar to 6.9 bar)
Machine Weight (standard model)	B 400: 850 kg (1870 lbs), B600: 1040 kg (2290 lbs)

English, Spanish, Italian, French, German, Chinese; Others available on request



Multilane rejection gates (other rejecters available for small products)

thermoscientific.com/xrayinspection

(troughed belt for small products available)

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Email: sales.packaging.us@thermofisher.com