

EAGLE™ BULK 370

X-RAY INSPECTION SYSTEM



Beam Width	Package Height
241mm (9.5")	152mm (6")
283mm (11.1")	101mm (4")
326mm (12.8")	50mm (2")
368mm (14.5")	BELT

Feature Highlights

- **Advanced image analysis with proprietary SimulTask™ software for automatic detection and rejection**
- **Auto-learn enables simple setup for new products**
- **Built in modem and Ethernet card for remote technical support**
- **High speed imaging up to 76MPM [250FPM]**
- **A/C Cooling is standard on all models**
- **HACCP ready, full event and contaminant logging**

The Smiths Detection Eagle line of inspection systems provides 100% product inspection of foreign contaminants including: metal, stone, glass, dense plastics and calcified bone. The Eagle Bulk system is designed to specifically address the unique handling requirements posed by bulk or loose products on a belt. Its material handling system is designed for transfer, inspection and rejection of high volume products.

rating. All Eagle systems offer the ability to view real-time streaming statistics and to easily download reports to a USB drive or via a network connection. All Eagle systems are also network capable, allowing remote access by Smiths Detection's expert technicians to quickly diagnose and often correct issues without dispatching a technician for on-site service.

Application-specific reject options include drop-gate, multi-lane paddles and multi-lane air blast optimized to reduce the amount of rejected product. The Eagle Bulk system is available in an IP65 and IP69 wash down

Technical Data **EAGLE BULK 370**

General Specifications

Max. object size	See beam geometry
Conveyor heights	838mm to 1219mm +/-50mm [33" to 48" +/-2"]
Conveyor length	1829mm [6'] cupped belt conveyor
Conveyor speed at mains frequency	15 to 120MPM [50 to 400FPM]

X-ray Generator

Max. anode voltage • cooling	0-70kV or 0-140kV • hermetically sealed oil bath
Current	1mA/2mA/5mA
Beam direction	Top center, directed down

Image Generating System

Software	Simul-Task proprietary image processing software
Computer	Industrial PC Intel CPU Core2Duo E8400 2x 3.0Ghz w/2GB RAM, HDD 80GB Windows® XP embedded, integrated UPS • touch screen color monitor w/USB keyboard
Detector	1.2mm pitch or .8mm pitch, single energy or 1.2mm pitch, dual energy
X-ray converter	16bit A/D Converter

Communications

I/O	I/O board with up to four input signals, four reject outputs, five PLC status signals, RS-232 interface
Network	Network card 10/100 mbps
Statistical data	Throughput, reject, weight, and system validation statistics available both in the GUI and SQL Database

Installation Data

X-ray leakage	Meets all applicable laws and regulations with respect to X-ray emitting devices including compliance with 21 CFR 1020.40 and 21 CFR 179.21
Protection rating/Operating temp	IP65/0°-43°C [32°-110°F]
Cooling method	4000 BTU/hr air conditioner
Power requirements	230 VAC, +15/-10%, 50/60 Hz, 20 Amp, single phase
Air requirements	5.5BAR [80psi], 9.5mm [3/8"] line, dry and filtered
Cabinet construction	Glass beaded stainless steel construction with conveyor frame bolted to cabinet
Conveyor belting	Seamless impregnated, polyester fiber underside with a white urethane top face coating, working temperature range of -30° to 100°C [-22° to 212°F]

Additional Features

Reject options	Signal only, reject light, 4-lane deflection flap
Product guides	Available through tunnel and louvers
Multi-Task™	Software upgrade enabling advanced detection and control logic, discrete rejecting, reporting, and tracking capabilities
Reject stations	Multiple rejection stations linked to inspection routines

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