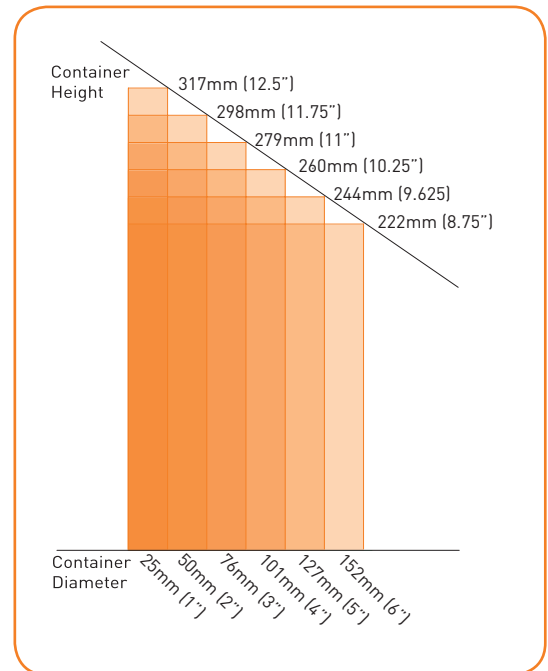


Pro-ScanXS™

X-RAY INSPECTION SYSTEM



Feature Highlights

- **Advanced image analysis with proprietary SimulTask™ software for automatic detection and rejection**
- **Capable of adjusting to variable line speeds**
- **Compact footprint installs over existing conveyor lines for easy integration**
- **CAT3 safety system with embedded system diagnostics**
- **Built in modem and Ethernet card for remote technical support**
- **HAACP ready, full event and contaminant logging**

The Smiths Detection Pro-ScanXS provides 100% inspection for contaminants including: metal, stone, glass, dense plastics and calcified bone. The system can also check weigh, measure head space, verify component presence/absence and detect defects such as dented cans and gross seam defects; Smiths can help maximize your overall line efficiency, for example by reducing rotary cooker jams in canning.

The Pro-ScanXS is designed for the inspection of high-speed can, jar, bottle and composite lines as well as other upright container formats. The side view detection coverage provides full inspection of a range of container sizes and is capable of carrying out multiple

inspections at line rates in excess of 1000 PPM. Standard and high-resolution packages are available to satisfy each customer's specific requirements by balancing smaller contaminant detection and high line speeds.

All Pro-Scan series systems are 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. The system is available in IP65 and IP69k environmental ratings to suit any packaging plant environment.

Technical Data Pro-ScanXS

General Specifications

Max. object size	See beam geometry
Conveyor heights	Installs over existing conveyors between 812mm to 1270mm [32" to 50"] high
Conveyor speed at mains frequency	Operates on existing conveyors with speeds between 30MPM and 120MPM [100FPM to 400FPM]

X-ray Generator

Max. anode voltage • cooling	0-70kV or 0-140kV • hermetically sealed oil bath
Current	1mA/2mA/5mA
Beam direction	Front center, directed parallel to the belt towards the back

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
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] or IP69k/0°-43°C [32°-110°F]
Cooling method	8500 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
Water requirements	For IP69k only - Flow 7.6LPM [2.0GPM]/Temp 10°-32°C [50°-90°F]
Cabinet construction	Glass beaded stainless steel construction

Additional Features

Reject options	Signal only, reject light, single piston push arm, single lane air blast, dual arm push rod
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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