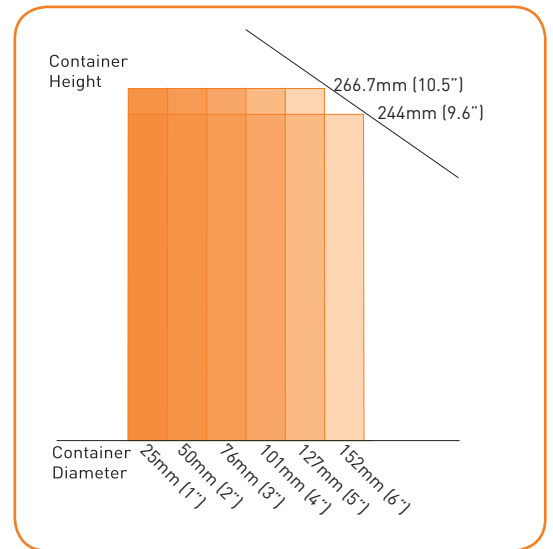


# EAGLE™ TALL PRO XS

## 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 Eagle Tall Pro XS 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 Eagle Tall Pro XS 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 Eagle Tall Pro XS

## 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

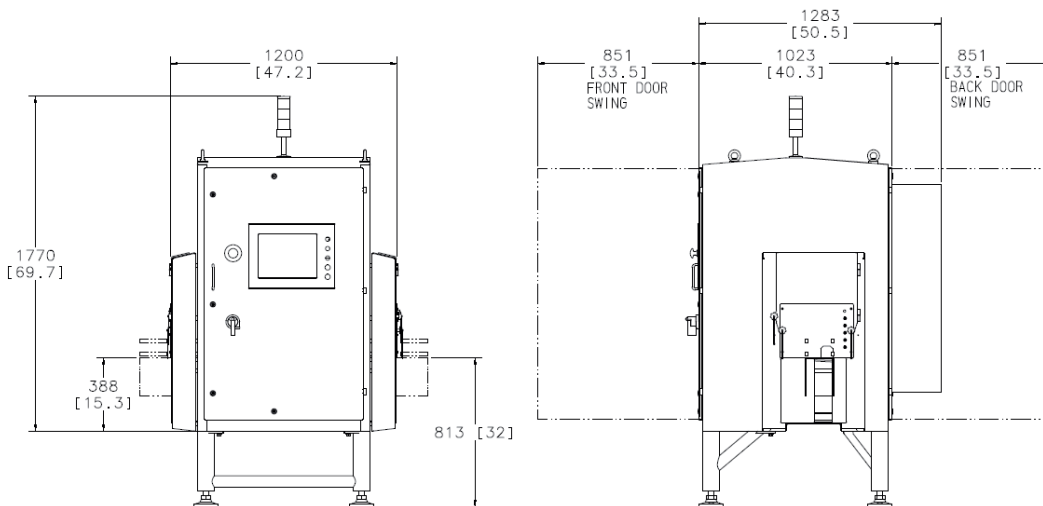
|                  |   |
|------------------|---|
| I/O              | I/O board with up to four input signals, four reject outputs, five PLC status signals, RS-232 interface |
| Network          | Network card 10/100 mbps  |
| Statistical data | Throughput, reject, weight, and system validation statistics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



For product information, sales or service, please go to [www.smithsdetectionpid.com](http://www.smithsdetectionpid.com)

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