EAGLE™ PACK 240
X-RAY INSPECTION SYSTEM

The Smiths Detection Eagle line of inspection systems provides product inspection of foreign contaminants including: metal, stone, glass, dense plastics and calcified bone. The systems can also check weigh, measure fill-level, verify component presence/absence and are multi-lane capable; Smiths can help maximize your overall line efficiency.

The Eagle Pack 240 is designed for inspection of high-speed flow-wrap lines, blister packs and small packaged items. The system provides 240mm [9.4"] of detection coverage at the belt, is capable of high-speed imaging up to 120MPM [400FPM] with multiple inspection capabilities for line rates up to 1000PPM. Standard and high-resolution packages are available to satisfy each customer’s specific requirements by balancing smaller contaminant detection and high line speeds.

All Eagle 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 constructed using 304 stainless steel to a durable IP65 environmental rating to suit any packaging plant environment.

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 120MPM [400FPM]
- A/C Cooling is standard on all models
- HACCP ready, full event and contaminant logging

www.eaglepi.com
Technical Data EAGLE PACK 240

**General Specifications**
- Max. object size: 635mm to 1219mm +/-50mm [25” to 48” +/-2”]
- Conveyor heights: 1321mm [4’4”], 1626mm [5’4”], 1930mm [6’4”]
- Conveyor speed at mains frequency: 15 to 120MPM [50 to 400FPM]

**X-ray Generator**
- Max. anode voltage • cooling: 0-70kV • hermetically sealed oil bath
- Current: 1mA/2mA
- 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
- X-ray converter: 16bit A/D Converter

**Communications**
- 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 bolted to cabinet top face coating, working temperature range of -30° to 100°C [-22° to 212°F]
- Conveyor belting: Seamless impregnated, polyester fiber underside with a white urethane face coating, working temperature range of -30° to 100°C [-22° to 212°F]

**Additional Features**
- Reject options: Signal only, reject light, single piston push arm, single lane air blast
- 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