

VECTOR

Conveyor Systems



VECTOR Conveyor Systems

Integrated Metal Detection Solutions

Simple
Operation

Outstanding
Reliability

Exceptional
Performance

Overview

Realise the full potential of your Phantom detector with an in-line Vector Conveyor!

Vector Conveyor systems are specifically geared toward achieving the most accurate detection results by optimising the performance of Phantom metal detectors. Built specifically to integrate with standard rectangular aperture models, Vector Conveyor systems offer a convenient and effective all-in-one solution.

The fully modular hygienic conveyor is constructed rugged to industrial specifications using a Stainless Steel 304 frame, providing resilient performance under the rigors of the harshest environments including washdown. A wide range of belt sizes are offered in standard or heavy-duty configurations.

Available with a choice of reject options, conveyors are custom-designed and configured to meet customers' specific application needs. Incorporating the full functionality of the Phantom metal detector, the Vector systems are designed to satisfy the operational requirements of major retailers and specifiers (including EFSIS & BRC) for end of line metal detection.

Key Technologies

Phantom
Full Phantom Functionality

All-Integrated
Complete Detection Solution

Reject Range
Selectable Reject Options



ADVANCED PHANTOM FEATURES

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| Core DSP | Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results |
| UltraSense | Maintains high sensitivity levels to detect the smallest metal contaminants |
| AutoTest | Auto Test ensures consistent performance and saves costs |
| AutoCal | Automatic Calibration at the touch of a button |
| True Auto Balance | Exceptional recovery from large metal contaminants so avoiding detector "blindness" |
| Please refer to PHANTOM Metal Detector brochure for further details | |

VECTOR CONVEYOR OPTIONS

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|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reject Confirmation Sensor | Automatic checking for correct handling of rejected products with immediate alarm & stop upon failure of reject |
| Bin Full Sensor | Early indication to empty the reject bin before it inhibits the rejection of potentially contaminated product |
| Automatic Pack Registration | Ensuring accurate timing and rejection of products, in addition to providing automatic alarm on product build-back |
| Air Pressure Switch | Continuous monitoring of the air supply required for automatic rejects resulting in an immediate alarm if the pressure falls too low for safe operation |
| Covered Reject Area | Preventing potentially contaminated packs from being removed from the line prior to the reject device |
| Lockable Reject Bin | Enclosed & secure collection area for rejected product |
| Variable Speed | Option for fully variable speed with automatic reject timing adjustment |
| Alarm / Beacon | Audible alarm (selectable tone) or beacon lamp for fault and/or QA alert |
| Product Guides | Adjustable to ensure consistent pack presentation for optimum performance |
| Castors | Lockable castors to enable easy location of systems and provide full flexibility |
| Reset Key Switch | Secure system for acknowledging the detection of contaminated products when an automatic reject is not practical |

SPECIFICATIONS

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|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Frame Construction | Box section stainless steel with open modular design for easy cleaning & maintenance with adjustable feet |
| Reject Options | Alarm & Stop, Air Blast, Pusher, Divert/Sweep, Retracting Band (custom rejects available) |
| Enclosed Reject Bin | Fully stainless or stainless hood with removable bin |
| Belts | Food grade polyurethane (PU) or plastic modular |
| Motors | Motor & gear box or powered drive drum |
| Power | 1 Phase 230v or 3 phase 415V |



Make your Phantom metal detector a Critical Control Point with CONTACT Communication Software

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