

# VECTOR™

## Conveyor Systems



### Overview

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

Vector Conveyor systems are specifically geared toward achieving the most accurate detection results by optimizing the performance of Phantom metal detectors. Built specifically to integrate with Phantom 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. A Photo Eye sensor can be added to the system, ensuring perfect accuracy of the reject device while enabling unique Phantom detector features such as Pack Count and Reverse Detection.

### The PHANTOM® Advantage

The unique Fortress Phantom Metal Detector utilizes the latest Digital Signal Processing technology to detect and reject ferrous and non-ferrous metals, including stainless steel. With the highest processing power, Phantom systems are renowned for their superior speed, accuracy and ease-of-use.

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

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**FORTRESS**  
TECHNOLOGY

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## ADVANCED VECTOR FEATURES

Detector Sync	The Fortress detector identifies the precise operation and timing of the conveyor, providing the most accurate results
All-Integrated Systems	Designed for easy installation into existing processing lines
Reject Range	Vector design accommodates various reject solutions
Modular Open Construction	Open box design for easy cleaning and maintenance
Motor Control	Control box enables start/stop and adjusting of belt speed
Custom Design	Application specific systems are designed to meet requirements of each processing line

## VECTOR CONVEYOR OPTIONS

Reject Mechanisms	Air Blast, Belt Stop Alarm, Kicker, Diverter Arm, Overhead Sweep Note: Flap Gate and Retract reject systems available on non-Vector conveyor systems
Sensors	Photo Eye (highly recommended), Reject Confirm, Bin Full, Air Pressure
Speed	Standard variable frequency drive
Castors	Plated / Stainless Steel, provide portability
Guide Rails	Standard or Skirted, 2" / 4"
Bins	Lockable reject bins, fully stainless steel or stainless hood with removable bin
Shaft Encoder	Automatically corrects reject timing in the event of belt speed
Frame Angle	Incline / Decline available – designed to suit application
Conveyor / Transfer	Any width, length, or height / side transfer compatible
Standards Compliance	Sensors and design, built to suit food safety scheme requirements
Light / Alarm	Green / Orange / Red beacons and/or alarm / buzzer

## SPECIFICATIONS

Frame Construction	Heavy Duty Stainless Steel (304) Construction - suitable for harsh applications
Standard sizes	Width: 6" - 24" Length: 36" - 144"
Motor	1/2 HP or 1 HP Washdown Stainless Steel casing available
Belt Type	Standard modular plastic or Heavy Duty high strength modular Blue or White Hygienic Belts
Air Pressure	65-90 psi (4-5 bar); Reject System Dependent



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