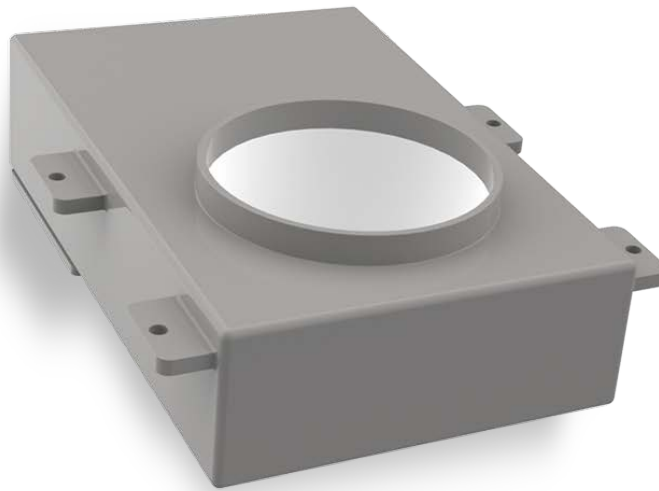


# PHANTOM<sup>®</sup>

## Vertex Metal Detector



**FORTRESS<sup>®</sup>**  
TECHNOLOGY

### The PHANTOM<sup>®</sup> Advantage

The unique Fortress Phantom Vertex 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.

### Applications

Potato/Tortilla Chips, Snack Foods, Popcorn, Cereals, Powders/Grains, Corn, Sugar, Confectionery, Plastics, Nuts, Flour, Rice

### Overview

Ideal for inline processing applications where space is limited, the ultra-slim Vertex detects metal contaminants in freefalling product prior to final packaging. Typically situated between a Multihead Weigher and a Vertical Form Fill Seal machine, product is gravity fed through the detector's aperture before being sealed in a pouch by a bagger.

Vertex is the best-suited solution for applications where packaging is metallic or too large for standard detectors. Using Core DSP technology, the system detects the smallest metal contaminants including pieces of wire, shavings and swarf.

Vertex includes a mountable remote control box that provides all the intelligence and first-rate functionality of Phantom digital technology. Additionally, custom designed support frames are available, allowing for easy installation.

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

[www.fortresstechnology.com](http://www.fortresstechnology.com)

# PHANTOM<sup>®</sup> Vertex Metal Detector

## ADVANCED PHANTOM FEATURES

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
Intuitive User Interface	Provides dedicated shortcut keys
Flash RAM	Flash Memory technology prevents information loss
Modular Design	Fewer product parts results in greater reliability

## CONTROL OPTIONS

Remote Mounting	Display Panel terminal can be mounted remotely
Multiple Detector Control	One display panel can operate a number of detectors

## VERTEX OPTIONS

Customized support frame	For easy installation
Paint Finish	Metallic Grey / White
Mounting	Fixed / Pivot / Slide Out
Compatible Baggers & Weighers	Industry standard mounting and integration to all Multihead Weighers and Vertical Form Fill Seal machines
System Integration	Bagger touch screen integration
Reject	Output interlocks to bagger

## SPECIFICATIONS

Construction	Aluminum painted case* * stainless steel available upon request
Aperture sizes	6.5" / 8.5" (165 mm / 216 mm)
Remote Control	10 ft (3 m) cable included with remote as standard
Remote Control Range	Up to 4,000 ft / 1,200 m
Electrical	90-250 v single phase, 1 amp
Rating	Nema 4 / IP65
Communication	RS485, Optional: Ethernet / Wireless, via CONTACT Software



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