

# FORTRESS PHANTOM<sup>®</sup>

## Large Bag Metal Detector



## Fortress PHANTOM Series Large Bag Metal Detector

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

### The PHANTOM Series Advantage

The unique Fortress Phantom Large Bag Metal Detector utilises 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

Flour, Grain, Spices, Powders, Food Additives, Healthcare

### Overview

Utilising a specialized coil structure, the Phantom Large Bag metal detector achieves unmatched performance with large product sizes. The specification of 2.0 mm 316 stainless steel detection in 50-100 lb (25-50 kg) bags is an untouchable industry standard.

Moreover, the system performs to a high specification in harsh production conditions including electrical noise and vibration. The unique Phantom technology enables an RF noise reduction modification that dramatically reduces the detector's susceptibility to interference.

Popularly known as the "Big Bag King", the system is offered in conjunction with an integrated Vector conveyor system for an optimized all-in-one detection solution.

### Key Technologies

**Core DSP**  
Unparalleled Precision

**UltraSense**  
Ultra Sensitive Detection

**AutoTest**  
Self Diagnostics Testing

**AutoCal**  
System Set-Up in Seconds

## ADVANCED PHANTOM FEATURES

<b>Core DSP</b>	Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results
<b>UltraSense</b>	Detects 2.0 mm stainless steel and 1.5 mm ferrous & nonferrous metals in large bags - an unmatched industry standard
<b>AutoTest</b>	Auto Test ensures consistent performance and saves costs
<b>AutoCal</b>	Automatic Calibration at the touch of a button
<b>Intuitive User Interface</b>	Provides dedicated shortcut keys
<b>Flash RAM</b>	Flash Memory technology prevents information loss
<b>Modular Design</b>	Fewer product parts results in greater reliability

## LARGE BAG OPTIONS

<b>Integrated Panel</b>	Control Panel is built into the detector
<b>Remote Mounting</b>	Display Panel terminal can be mounted remotely
<b>Detector Orientation</b>	Horizontal / Vertical

## VECTOR CONVEYOR OPTIONS

<b>Vector Conveyor</b>	Heavy duty integrated conveyor system** various sizes available in Stainless Steel construction
<b>Reject Mechanism</b>	Belt Stop or Heavy Duty Kicker
<b>Castors</b>	Plated / Stainless Steel, provide portability
<b>Speed</b>	Variable or Fixed
<b>Sensor</b>	Photo Eye (highly recommended)
<b>Alarm</b>	Audible Alarm / Visual Alarm Beacon

## SPECIFICATIONS

<b>Construction</b>	Aluminum epoxy painted
<b>Aperture sizes</b>	26" x 10", 26" x 12" (660 x 250 mm, or 660 x 305 mm)* * custom sizes available
<b>Sensitivity</b>	Detection of 1.4 - 2.0 mm Stainless Steel (3 series) 0.9 - 1.5 mm Ferrous
<b>Remote Control Range</b>	Up to 4000 ft / 1,200 m
<b>Electrical</b>	90-250v single phase, 1 amp
<b>Rating</b>	Nema 4 / IP65
<b>Communications</b>	RS485, Optional: Ethernet / Wireless, via CONTACT Software



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

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