

# FORTRESS PHANTOM<sup>®</sup>

## Laboratory Metal Detector



### Includes:



Good Product Bin



Reject Bin

## Fortress PHANTOM Series

### Laboratory Metal Detector

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

### Key Technologies

**Core DSP**  
Unparalleled Precision

**UltraSense**  
Ultra Sensitive Detection

**AutoTest**  
Self Diagnostics Testing

**AutoCal**  
System Set-Up in Seconds

### The PHANTOM Series Advantage

The unique Fortress Phantom Lab 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

Flour, Rice, Cereals, Powders, Corn, Sugar, Chemicals, Nuts

### Overview

Typically sold in conjunction with a Gravity or Large Bag detector, the Phantom Lab Metal Detector is used to quickly filter out metal contaminants from rejected bulk product. The Lab system is situated offline to further examine the rejects from an inline detector. Not only does it offer an efficient method of finding the metal contaminants, it also enables QA to closely identify the origin of a problem in addition to reclaiming good product.

The Laboratory Metal Detector system is ergonomically designed with a hopper for ease of hand-feeding product through its plastic pipe section. The compact unit is made portable via a floor stand with castors.

## ADVANCED PHANTOM FEATURES

<b>Core DSP</b>	Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results
<b>UltraSense</b>	Maintains high sensitivity levels to detect the smallest metal contaminants
<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

## LAB SYSTEM FEATURES

<b>Aperture Type</b>	Round or rectangular – standard and custom
<b>Diverter Valve Reject System</b>	Flap-gate
<b>Floor Stand</b>	Support frame included, fully assembled
<b>Portability</b>	Compact unit with lockable / swivel castors easily moves from room to room
<b>Castors</b>	Plated / Stainless Steel
<b>Bins</b>	Two bins included: Good product and Rejected product
<b>Alarm</b>	Audible Alarm / Visual Alarm Beacon

## SPECIFICATIONS

<b>Construction</b>	Detector: Aluminum epoxy painted or Stainless Steel Valve: All Stainless Steel
<b>Standard Pipe Diameter</b>	3" (75 mm)* * custom sizes available
<b>Rating</b>	NEMA 4** / IP65 (HAZLOC – Class 2, Div1 & 2 available) ** upgradeable to NEMA 4X / IP69K
<b>Air</b>	80 psi (4-5 bar)
<b>Electrical</b>	90-250v single phase, 1 amp
<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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