

# FORTRESS PHANTOM<sup>®</sup>

## Pharmaceutical Metal Detector



### Fortress PHANTOM Series Pharmaceutical Metal Detector

Simple  
Operation

Outstanding  
Reliability

Exceptional  
Performance

#### The PHANTOM Series Advantage

The unique Fortress Pharmaceutical 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

Tablets, Capsules

#### Overview

With its current GMP design and construction suited for FDA compliance, the Phantom Pharmaceutical metal detector meets the demanding quality standards and regulations required by the industry. It detects the finest of metal contaminants in high speed product lines with a throughput of 30,000 tablets per minute.

The strong and compact mirrored stainless steel casing makes the system able to withstand harsh cleaning applications. To prevent any cross contamination, all contact parts are removable without tools.

The Pharmaceutical detector can integrate with any tablet press using a convenient electric powered height adjustment and manual head tilt settings. A side diverter reject system is included.



#### 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>	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

## ADVANCED PHARMACEUTICAL FEATURES

<b>Powered Lift</b>	Powered linear actuator for height adjustment
<b>Head Tilt</b>	Adjustable head tilt angle
<b>Removable Parts</b>	Easy access for cleaning with FDA approved contact parts – no tools required
<b>Portability</b>	Compact unit with lockable / swivel castors easily moves from room to room
<b>IQ/OQ Validation Package</b>	Installation / Operation Qualification documentation and procedures are provided for performance validation
<b>cGMP &amp; FDA Compliant</b>	Design and construction meet the standards of Current Good Manufacturing Practices according to FDA regulations
<b>Iron Compatibility</b>	Automatic configuration of iron-enriched products
<b>Simplified Software</b>	Non-applicable features are removed from standard menu
<b>Complete Kit</b>	Includes Side Divert reject, reject catcher, validation manual

## SPECIFICATIONS

<b>Construction</b>	Stainless Steel
<b>Aperture Sizes</b>	3" x 1", 4" x 1.5" (75 x 25 mm, or 100 x 40 mm)* * custom sizes available
<b>Throughput</b>	Up to 30,000 tablets per minute
<b>Height Adjustment</b>	8" or 20" range Powered lift (200 or 500 mm)
<b>Sensitivity</b>	From 0.15 mm Ferrous & Non Ferrous, 0.3 mm Stainless Steel (3 series)
<b>Electrical</b>	90-250v single phase, 1 amp
<b>Rating</b>	IP65 / Nema 4
<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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