

PHANTOM[®]

Large Bag Metal Detector



The PHANTOM[®] Advantage

The unique Fortress Phantom Large Bag 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, Powders, Grain, Spices,
Food Additives, Pharmaceutical,
Nutraceutical, Bulk Products,
Confectionery

Overview

Utilizing 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.

Simple
Operation

Outstanding
Reliability

Exceptional
Performance

www.fortresstechnology.com

FORTRESS[®]
TECHNOLOGY

PHANTOM[®] Large Bag Metal Detector

ADVANCED PHANTOM FEATURES

Core DSP	Digital Signal Processing (DSP) technology provides unparalleled precision, speed, and detection results
UltraSense	Detects 2.0 mm stainless steel and 1.5 mm ferrous metals in large bags - an unmatched industry standard
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

LARGE BAG OPTIONS

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

VECTOR CONVEYOR OPTIONS

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

SPECIFICATIONS

Construction	Aluminum epoxy painted
Aperture sizes	26" x 10", 26" x 12" (660 x 250 mm, or 660 x 305 mm)* * custom sizes available
Sensitivity	Detection of 1.4 – 2.0 mm Stainless Steel (300 series) 0.9 – 1.5 mm Ferrous
Remote Control Range	Up to 4,000 ft / 1,200 m
Electrical	90-250 v single phase, 1 amp
Rating	Stainless Steel w/ BSH - Nema 4X / IP69K Aluminum Construction - Nema 4 / IP65
Communications	RS485, Optional: Ethernet / Wireless, via CONTACT Software



Fortress Technology Inc.
51 Grand Marshall Dr,
Toronto, Ontario
M1B 5N6, Canada
Tel: 1-888-220-8737
sales@fortresstechnology.com

Fortress Technology (Europe) Ltd.
The Phantom Building
7 Beaumont Road, Banbury
OX16 1RH UK
Tel: +44 (0) 1295 256 266
sales-UK@fortresstechnology.com

Fortress Technology Sistemas de Inspeção Ltda.
Danilo Valbuza , 517 - Laranjeiras,
Caieiras , São Paulo
07747-300, Brazil.
Fone: 55-11-3641-6153
vendas@fortress-iis.com.br

www.fortresstechnology.com