

PHANTOM[®]

Metal Detector



The PHANTOM[®] Advantage

The unique Fortress Phantom 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

Bakery, Meats, Dairy, Prepared Meals, Packaged Products, Pharmaceutical, Nutraceutical, Confectionery, Fresh Foods, Frozen Foods, Powders/Grains

Overview

Available in aluminum or stainless steel with a wide variety of aperture sizes, Phantom Metal Detectors are built rugged to withstand the harshest applications. For heightened stability and performance in wet product applications, the IP69K certified BSH Extra Rugged Casing is utilized. An epoxy chute provides a complete waterproof seal on IP69K rated units.

Available Options



BSH Rugged Casing



Integrated Vector Conveyor System

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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

METAL DETECTOR OPTIONS

Chute	Epoxy seal for wet applications, Plastic under chute material for dry
BSH Extra-Rugged Casing	Vibration immunity and stability in heavy duty applications
Remote Mounting	Display Panel terminal can be mounted remotely
Multiple Detector Control	One display panel can operate a number of detectors
Portable Display Terminal	Display terminal can be utilized as a portable device
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, Air Blast, Kicker
Castors	Plated / Stainless Steel, provide portability
Speed	Variable
Sensor	Photo Eye (highly recommended)
Guide Rails	Direct the product movement with adjustable width / height
Alarm	Audible Alarm / Visual Alarm Beacon

SPECIFICATIONS

Construction	Aluminum epoxy painted or Stainless Steel
Aperture sizes	Wide range from 1"~60" x 1"~25" (25~1525 x 25~635 mm)* * custom sizes available
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



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