



# J-Pak Technology Guide



## Metal Detector



**FORTRESS**  
TECHNOLOGY

**Gravity**

Quality Control Equipment



**FORTRESS** TECHNOLOGY **Gravity**  
Quality Control Equipment • Metal Detectors



## Food Metal Detector The PHANTOM Advantage

The unique Fortress Phantom Gravity 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

The Phantom Gravity Metal Detector is ideally suited for inline inspection of dry, powder or granular products that can be gravity fed through a pipe from a processing machine Available in Painted Aluminum or Stainless Steel with a selection of several aperture sizes, the Gravity detector is built with Anti-Static UHMW Pipes, Air Control, and a Ceiling Support Frame

**Superior speed, accurate  
Easy To Use**



## What is a Metal Detector... and how Digital Signal Processing (DSP) work

Three coils are wound exactly parallel on a non-metallic frame. The center coil is connected to a high-frequency radio transmitter. Two transmission-receiving coils sit on either side of the center coil

### The Science Behind Metal Detector



### Ideal For These Applications



An automatic Reject Valve can be incorporated into the system to remove contaminated product from the flow. Additionally, a test ball retrieval drawer is offered, allowing for ease of manual testing

### Key Benefits

- ✓ Core DSP for precision, speed, and detection
- ✓ UltraSense Detection
- ✓ Automatic Calibration at the touch of a button

### More Incredible Technology from the J-Pak Fortress Product Range



▶ See this technology in action the video on our website



Contact our sales team for a quotation  
**011-825-0300**

Visit our website to explore even more information  
[www.jpak.co.za](http://www.jpak.co.za)