HALO AUTOMATIC TESTING SYSTEM

OVERVIEW:

Our revolutionary Halo system is an automatic metal detector testing device. It is designed to automatically test ferrous, non-ferrous and stainless steel samples on all Fortress metal detectors. Automatic testing saves time, money, labor, along with removing the risk of human error and work place injury at critical control points on a manufacturing line while complying with industry standards. The Halo system is ideal for applications where manual testing of a metal detector is made difficult due to access, position, access to the product flow, environmental conditions, etc.

The theory of Halo is to harness the signal generated by a conductive loop outside of the detector. At the press of a button, or at a programmed interval, a change in the signal flowing through the loop causes a disturbance on the detector's receiving coil. This is the same process that happens when metal passes through the detector's aperture.

CALIBRATION AND TESTING

The Halo system is calibrated to produce an interference signal identical to that of a specific metal sphere size and the specific metal types. It can also produce multiple level signals that can, for example, replicate a 1.5mm sphere of ferrous metal (passing through the center of the aperture) when initiated and then with a different prompt, it can produce a signal identical to 2 mm stainless steel.

EXTERNALLY OPERATED SYSTEM

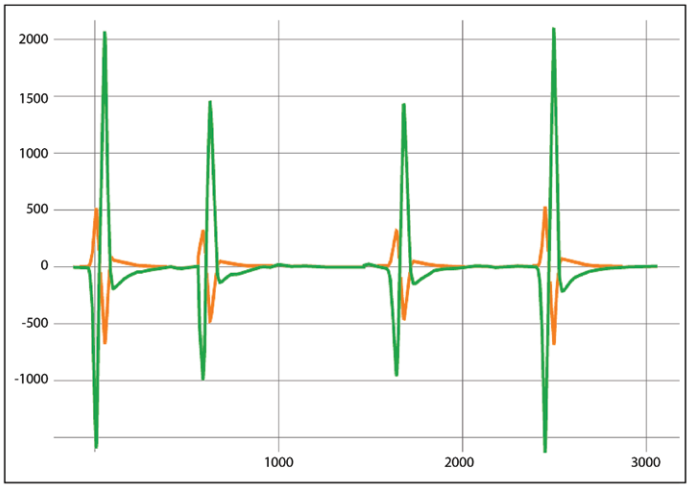
The Halo system is entirely external to the working of the detector and as such, the test results are not controlled by the detector. Therefore, it is a complete test of the detector's performance and is more repeatable that a manual test where the position of the test piece within the aperture is difficult to control. The system is included at the time of manufacture or can be added to some existing Fortress detectors.

KEY FEATURES:

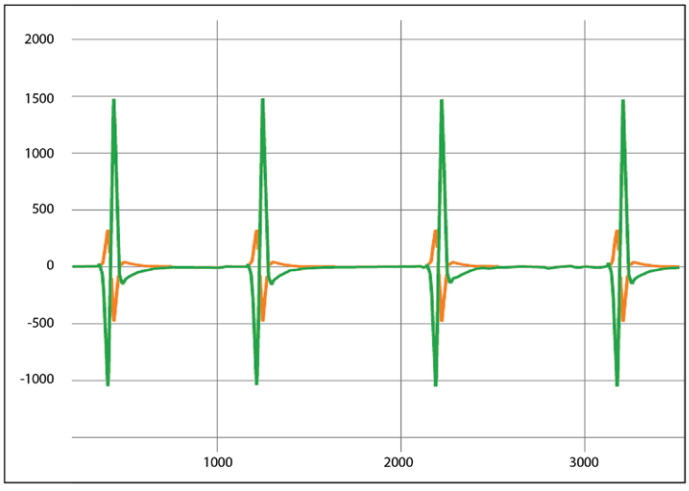
- Saves Time and Money
- Automatic, Accurate and Consistent Testing at Programmable Intervals
- Decreases Frequency of Manual Testing
- Reproduces Ferrous, Non-Ferrous and Stainless Steel metal sample signals
- Detector Testing at a button push
- Test speed with Halo set to match belt speed in conveyor applications
- Front, Middle, and Back of Product Testing with Conveyor Applications
- Externally Operated System
- Multiple Custom Test Levels
- Eliminates Work Place Safety Risks
- Reduces Machine Downtime/Testing Time
- Auditor Approved
- Negates Human Error
- System Set-Up in Minutes
- Tamper Proof
- Detailed Data Collection and Reports with Contact Reporter Software are Compliant with HACCP & GFSI Requirements

1.5 MM FERROUS TEST SAMPLE

SIGNAL GENERATED BY MANUAL TEST



SIGNAL GENERATED BY HALO



Simple Operation. Outstanding Reliability. Exceptional Performance.

FORTRESS TECHNOLOGY

CONTACT REPORTER SOFTWARE

Contact Reporter Software is included with all versions of Stealth and Interceptor metal detectors establishing them as an effective critical control point. This easy to use, plug and play software complies with stringent HACCP and GFSI standards. Data is transferred from the detector to your computer using the included USB drive. The data output provides fully traceable QA information - detailing what and when something happened.

KEY FEATURES:

- Software Included with Stealth and Interceptor Detectors
- Use with Halo for Complete Automatic Testing Reporting System
- Long Term Data Storage
- On-Demand Customized Reporting
- Event Logging
- Export reports to pdf or excel
- Plug & Play USB functionality
- HACCP Compatible
- Data Sharing
- Unlimited Users

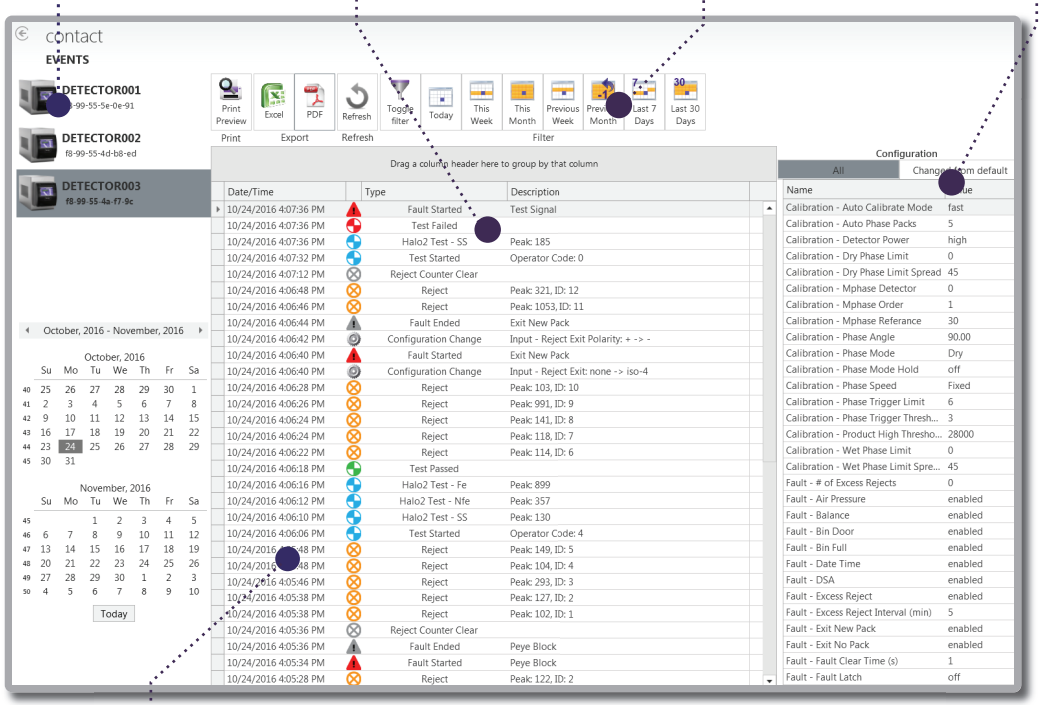
Detector information

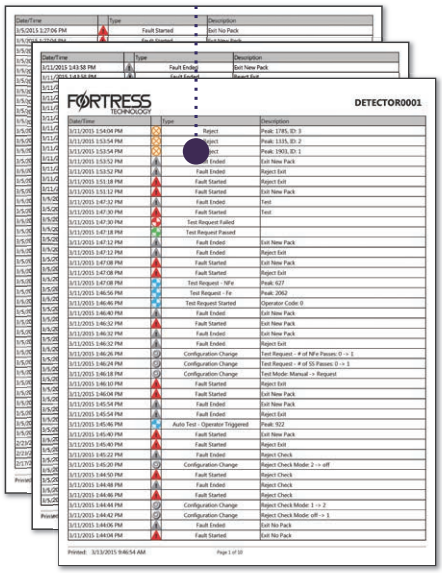
Product Name, Events (Reject, Faults, Tests), Reject ID

Obtain activity reports by production line and/or time period.

Configuration parameters (Sensitivity, Rejects, Timing, etc.)

Export reports to Excel or PDF files

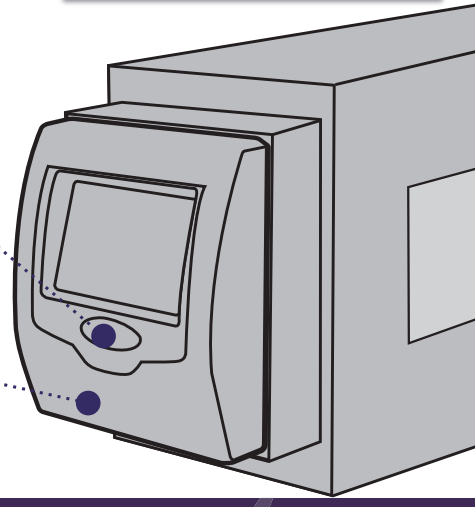




Time-stamped event recordings for HACCP compliance.

Integrates into existing HACCP procedures and requirements.

Plug & Play data collection and transfer from detector using USB.



System Requirements:
Windows Vista / 7 / 8
Microsoft .NET 4.5 Framework

Obtain activity reports instantly with optional Ethernet connection.

Event and performance information stored on detector.

Fortress Technology Inc.
51 Grand Marshall Dr,
Toronto, ON, 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
info@fortresstechnology.co.uk

Fortress Technology Sistemas de Inspeção Ltda.
Rua Danilo Valbuza n° 585, Bairro
Laranjeiras, Caieiras São Paulo, CEP.
07747-300
Fone: 55-11-3641-6153
vendas@fortress-iis.com.br

FORTRESS TECHNOLOGY
www.fortresstechnology.com