Quality on the move...

FORTRESS
PHANTOM

FORTRESS
Technology Inc.

WORLD CLASS METAL DETECTION SYSTEMS

Simple Operation
Outstanding Reliability
Exceptional Performance

DYNAMIC
INSPECTION
LIMITED

Technology at work for you

With products that simply work day-in-day-out on the production line, Fortress offers the most practical and functional metal detection solutions available. The success of Fortress' products is based on three pillars: Simple Operation, Outstanding Reliability, Exceptional Performance.

Simple Operation

From initial system design through to installation and set-up, Fortress metal detectors are straight forward and simple to use. The systems are very power efficient. Product set up, calibration and testing are all easily performed without special training.

Outstanding Reliability

With 50-60% less parts than competitors' products, attention to power efficiency and a superior integral design, Fortress detectors have proven to be extremely rugged and reliable particularly in hot environments. The unique wide range of the Automatic Balance system eliminates any need for manual balance adjustments under ambient conditions that can go from a freezer tunnel to a bakery oven output.

Exceptional Performance

With superior features, intuitive operation, rugged design, and system self-calibration, the performance of Fortress metal detectors is unmatched. Dynamic Inspection's highly trained team of engineers and sales representatives always work closely with customers to ensure that their needs are fulfilled.
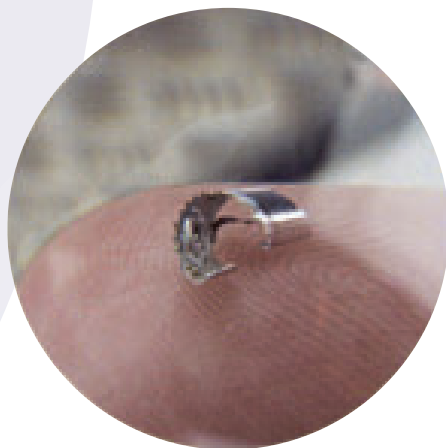
Ultra Sense: High Sensitivity models improve detection levels by up to 30% compared to International Standards

The HS Fortress models developed by Fortress Technology have set a new bench mark in the detection of metal fragments especially in non-magnetic stainless steel.

By utilising a special coil structure and signal analysis software the HS Fortress can detect smaller contaminant than other current generation detectors. Moreover, the system performs to a high specification in harsh production conditions including electrical noise and vibration.

Exeptional Performance is guaranteed
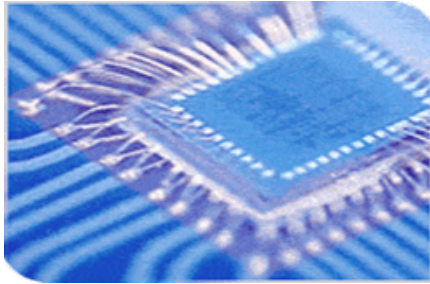
The integration of a 32-Bit Digital signal processor provides unparalleled processing speed. The CORE DSP technology is the at the heart of the Fortress detector and offers the capability to integrate with peripheral hardware, such as barcode readers and adjust settings on the detector in digital real time. This enables the system to automatically select the correct programme to match product presented randomly in tertiary packaging.

Future Proofed

The Fortress Phantom is software driven which means your detector can be easily upgraded to the latest operating system. This enables the owner to stay at the forefront of technology and take advantage of continuous new improvements during the life of the equipment. In this era of rapid advancements in technology, equipment could otherwise become obsolete long before it's usable life has been realised.

With Fortress backward compatibility new modules can be fitted to old units.

Wouldn't you like to have piece of mind when making a capital investment?

Make your Metal Detector a Critical Control Point

Designed to enable PC communication with Phantom metal detectors, CONTACT software provides an effective solution for Event Logging and Data Collection - making your metal detector a Critical Control Point in HACCP programs.

The versatile CONTACT system stores information for long periods of time, powered by SQL database software. Flexible customized reports can be generated on-demand and exported to PDF or Excel format.

Available with convenient wireless connectivity, it is now easier than ever to automate your record keeping if you stay in CONTACT.

Key Features

• Data Capture - detailed system activity information

• Event Logging - records of system status changes

• Report Generation - outputs QA reports on-demand

Fortress CCP

Fortress Phantom systems can now be supplied with an optional touch screen controller for an improved operator interface.

Based on the original membrane keypad layout so that there is no re-learning of menus for current users of Fortress Phantom metal detectors, the touch screen also offers new features such as multilevel password protection and a matrix style library.

The onboard PC stores extensive data records that can be accessed via Ethernet IP, RS485 and USB ports, which are supplied as standard fittings.

Digital Signature Password Access

All of the detector settings are password protected to prevent unauthorised access and adjustment of parameters.

Individual staff can be assigned a personal login password which allows access to specified settings and parameters. Event management and data logging enables full traceability and due diligence with automatic logging of any adjustments performed by the operator.

Saving Time with Product Changeover

The matrix style product library can store up to 100 individual programs and the easy layout permits rapid changeover of products during production.

The control panel has its own built in PC for full event and production reporting. This can be selected on either a product or batch basis and includes vital information such as dates, times and events.

Single Product Pass Calibration

Single pass product learning and automatic calibration allow for quick set-up that requires minimal training of staff.

Auto Cal enables automatic calibration to the product effect on the fly with no operator involvement. This is ideal for products that vary in composition or temperature throughout the production run and typically present problems for most metal detectors with high false reject rates.

Standard Features

100 Product Library
32 Bit DSP chip
Automatic self diagnostics
Auto vibration compensation
Auto Product compensation
Programmable auto testing
Signal strength display
Upgradable operating software
Flash memory, no batteries
Digital noise filters
EMC compliance
RS485 comms to external equipment
24 month warranty

Available Options

Touch Screen Control Panel	CONTACT data management software
Reject confirmation	Visual / Audible Alarm Beacon
Reject bin full	Air Failsafe Reject System
Ethernet connectivity	Remote Control Panel

Reject systems: Air Blast, Pusher, Belt retract, Drop flap all custom built to order

Technical Specifications

Finish	304 stainless steel with 4B bead blast finish
Power Consumption	4VA
Operating Temperatures	-10°C to +65°C
Relative Humidity	0% to 95% relative humidity (non condensing)
Electrical Supply	90-250VAC single phase
Environment	IP 65 or IP 67
Serial Ports	RS 232/485, Optional: Ethernet & wireless Ethernet
Outputs	Alarm, Reject, Test request, Fault, 2nd Reject

Quality on the move…

Fortress Technology customised for you

We custom build every machine to meet your specific needs. Fortress PHANTOM detectors can be intergrated into any type of processing application.

Conveyorised Systems

Heavy duty frame

Multiple reject options

Allen Bradley VSD as standard

Gravity Fall Systems

Custom throat sizes

Auto reject options, reject confirmation

Test piece retrieval draw

High sensitivity model available for the best performance

Anti-static product pipe

Pipeline Systems

To suit any pipe size

CIP auto reject valves

Easy clean divert valves

Pad Systems

Vent tube and contaminant detection for bottling lines

Ignores metal caps, foil seals etc

Complete system to mate to existing lines

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