INDUSTRY 4.0: COMMUNICATION TECHNOLOGY

We are more connected than ever, with new technology constantly evolving to meet the demands of today's world. Industry 4.0 has made the 'smart factory' possible, where computers communicate with each other in real-time without the need for human intervention. A by-product of these technological advances is immense amounts of data and information. Food manufacturers need a way to effectively manage and analyze large volumes of data from their production lines.

To ensure our customers are at the top of their game, Fortress Technology has developed unique communication-enabling software that enhances the Industry 4.0 experience. By leveraging Contact communication technologies and Contact Reporter Software with Fortress Technology metal detectors, data is readable, meaningful, and meets application specific and due diligence requirements.

Enabled by the Internet of Things, machine sensors at every step of the process provide us with constant feedback, allowing us to track equipment performance remotely and with high accuracy. These networked machines assist us in identifying maintenance needs in real-time, addressing performance issues and ultimately improving product quality. Digitization of routine processes and procedures reduce human error, provides manufacturers with traceability that meets compliance guidelines and makes comprehensive reporting measures possible.

We believe Fortress Technology's communication systems reflect the vision our company was built on: simple operation, outstanding reliability and exceptional performance. Explore our Communication and Reporting options, and we will work with you to drive immediate efficiencies for your business.

Standard Data Capture & Reporting

CONTACT

Contact provides an effective solution for event logging and data collection from your Fortress Technology metal detector. Standard on all Stealth and Interceptor systems, this feature collects a valuable data log of events from your metal detector via USB which you can then upload to your PC.
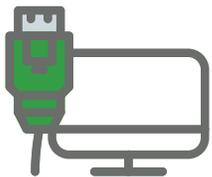
Contact Reporter Software is utilized to display the collected data on your PC in an easy-to read log of activity with the ability to generate performance reports ideal for quality assurance record keeping.

It provides you with traceable and auditable QA information that details when a metal detection event has occurred and what has happened. Contact ensures compliance with food safety standards including GFSI/SQF, BRC and HACCP.

* Does not allow for group analysis of multiple metal detectors.

✓ Standard on Stealth and Interceptor models   ✓ USB data collection   ✓ Standard reporting capability   ✓ Regulation Compliance

CONTACT MANAGER

Contact Manager Software facilitates the automatic collection of data from your Fortress Technology metal detector through a built in Ethernet port connected to your network. Contact Manager Software simplifies the data collection process as it does not require manual USB transfer of information. It is installed separately and works in conjunction with Contact Reporter Software to generate detailed performance reports and record metal detection events for quality assurance purposes.

It provides you with an automated approach for collecting traceable and auditable quality assurance information that details when a metal detection event has occurred and what has happened. Contact Manager Software ensures compliance with food safety standards including GFSI/SQF, BRC and HACCP.

✓ Automatic data collection   ✓ Standard reporting capability   ✓ Regulation Compliance

FORTRESS
TECHNOLOGY

INDUSTRY 4.0: COMMUNICATION TECHNOLOGY

Data Integration in Automated Facilities

OPC/UA ADAPTER

The OPC/UA Adapter facilitates an information exchange in order for your metal detector, internal network and entire plant to communicate in one integrated system. It opens data "tags" that collect settings and parameters over the network in real-time to auto-populate your internal database structure with the captured data. The integration of operational data from across your production line can provide the context you need to base decisions from to improve your process in real-time. The OPC/UA Adapter interface integrates seamlessly with factory data-systems, providing secure access to data through client applications. It also allows for the connection of multiple metal detectors.

The OPC-UA Adapter provides you with seamless, automated method for collecting traceable and auditable quality assurance information that details when and what has happened in your operation. It ensures compliance with food safety standards including GFSI/SQF, BRC and HACCP.

✔ Customized data collection ✔ Integrate data with internal database ✔ Facilitates regulation compliance

ETHERNET/ IP ADAPTER

The EtherNet/IP Adaptor enables two-way communication and control of your metal detector over your facility's network utilizing EtherNet Industrial Protocol. It easily integrates your metal detector with automated facilities to enable communication with networked equipment and ensure one cohesive, smart operation.

Collect real-time performance data and push parameters to your metal detector for remote set up and monitoring. You can also use the EtherNet/IP Adapter to integrate your metal detector into a larger system with a single point of control user interface.

The EtherNet/IP Adapter provides you with seamless, automated method for collecting traceable and auditable quality assurance information that details when and what has happened in your operation. It ensures compliance with food safety standards including GFSI/SQF, BRC and HACCP.

✔ Remote metal detector control & monitoring ✔ Collect data in real-time ✔ Equipment Integration ✔ Facilitates regulation compliance

GET IN TOUCH

Contact Fortress Technology to learn more about communication enabling technologies for your metal detector and enhance your operation today.

Fortress Technology Inc.
Tel: 1-888-220-8737
sales@fortresstechnology.com

Fortress Technology (Europe) Ltd.
Tel: +44 (0) 1295 256 266
sales-UK@fortresstechnology.com

Fortress Technology Sistemas de Inspeção Ltda.
Fone: 55-11-3641-6153
vendas@fortress-iis.com.br

FORTRESS TECHNOLOGY