Protecting Your Customers

Reducing Risks For Your Business

Certus TS
Increasing Productivity
Reducing Costs
Improving Competitiveness
Meeting Compliance Needs
Caring for You and Your Customers
Maximizing Quality and Performance

When product quality and meeting compliance needs matter, you need a reliable metal detection solution. Certus TS detectors provide an advanced cost effective solution to meet the needs of your business, protect your reputation and secure the welfare of your customers.

Advanced Metal Detection Technology at Your Fingertips
Certus TS metal detectors utilize sophisticated software technology to provide advanced metal detection systems with total inspection flexibility for a wide range of applications and products.

A large, full color touch-screen interface with a Windows® style, icon driven menu provides easy, intuitive operator access. The interface simplifies procedures and places a host of valuable process information at the fingertips of your whole manufacturing team.

Supporting Your Compliance Needs
Certus TS metal detectors can be installed at all critical control points (CCP) of your production processes. This enables your business to comply with HACCP requirements and the broader needs of external food safety regulations and standards.

Certus TS detectors support compliance with the GFSI standards and external codes of practice including:

- BRC (British Retail Consortium)
- IFS (International Food Standard)
- SQF 2000 (Safe Quality Food)
- FSSC 22000
- Major Retailer Standards
Benefits for You and Your Business
Certus TS metal detection systems provide the means to deliver significant benefits for your business. Maximizing product quality, enhancing manufacturing efficiency and delivering high levels of protection for your customers is just the beginning.

Harnessing these benefits builds protection around your business enabling you to increase productivity, reduce overall manufacturing costs and improve competitiveness for maximum profitability.

Increased Productivity
Certus TS metal detectors enable optimal productivity to ensure maximum uptime and costly downtime is all but eliminated. This effectiveness is realized through:

- Simple set-up and operation
- Reliable, consistent performance
- Low maintenance requirements
- Easy clean system designs

Reduced Manufacturing Costs
Advanced software technology enables overall lifetime costs to be managed and kept to an absolute minimum through:

- Eliminating false rejects & product waste
- Reducing performance validation requirements and costs
- Improving the ability to demonstrate due diligence
- Utilizing innovative, future-proof design

Improved Competitiveness
The combination of increased productivity and reduced manufacturing costs enables your business to win more customers by providing:

- Compliance with regulatory, industry and retailer standards
- Improved hygiene standards
- Protection of your brand and your reputation
- Maximized product quality

IPac – Creating the Documentation to Support Compliance Needs
Certus TS metal detectors are supplied with a METTLER TOLEDO IPac installation and performance verification package to support ongoing compliance with internal and external standards. This comprehensive package provides full documentation for the installation, commissioning and verification process to ensure audit requirements are met every time.
Reducing Downtime
For Improved Operational Efficiency

Ensuring your manufacturing processes are robust, efficient and streamlined adds value to your business and enables you to develop the edge over your competition. Certus TS detectors provide a vital building block to help establish improved processes and manufacturing efficiency.

Inspecting Multiple Products at a Single Setting
Consumer demands for greater product innovation and variety can mean manufacturers need to be more flexible and undertake more product changes. This can lead to increases in downtime and the risk of operational mistakes.

A unique "Change-Free" running mode provides a genuine single-setting for multiple and diverse product types. Parameters for a number of different products are analyzed and combined into a single optimized product "Cluster" setting. This avoids the need for equipment re-setting between production batches reducing downtime without sacrificing performance and sensitivity.

Single-Pass Set-up Reduces Downtime
Single pass auto set-up routines enable the detector to be set rapidly with minimal requirements for operator training. Typically, only one pass of the product is required during set-up.

The needs of users preferring to have separate product settings with individual parameters is addressed through a product library with a built-in memory which enables up to 100 different settings to be defined and stored for future recall.
Maximized Product Quality
Reducing Business Risks

Producing high quality products consistently is a prerequisite for your business. Achieving this with minimized manufacturing costs contributes to the profitability of your organization.

Meeting Scheduled Performance Verification Needs
Missed performance validation tests can compromise quality standards and lead to non-compliance in food standards audits. Certus TS detectors advise when test routines need to be performed and advise when testing is overdue via highly visible screen messages. Test routines can be configured to ensure that system performance is validated and results are captured in order to meet internal procedures and external industry standards or regulations.

Addressing Issues Before They Occur
The costs associated with a line stoppage due to inspection system failure can have a serious impact on business performance. Being forewarned of potential line-stopping issues before they happen enables you to make contingency plans to avert costly unscheduled downtime.

Many metal detectors include "fault monitoring" which will alarm should a fault occur. Certus TS detectors go one step further by utilizing advanced Condition Monitoring technology which constantly analyze the performance of major detector components. Adverse trends are identified and highlighted as an early warning of a potential problem in advance of actual failure.
Detecting All Metal Contamination  
Customer and Brand Protection

Whether your products are wet, dry, hot, chilled or frozen, Certus TS metal detectors provide the solution. All metal contamination including ferrous, non-ferrous and even the most difficult to detect non-magnetic stainless steels are readily identified enabling them to be removed efficiently from the manufacturing process.

Inspection of All Products
A choice of operating frequency offers inspection flexibility. Even products with high moisture content and those packed in a diverse range of packaging materials including metallized films can be successfully inspected.

Robust mechanical construction techniques, sealing standards in excess of IP69K when required, and sophisticated environmental noise and vibration immunity systems ensure Certus TS metal detectors can operate reliably in the most demanding of applications.

High Frequency for the Most Challenging Contaminants
The use of high frequency operation improves detection sensitivity, particularly in the case of non-ferrous and non-magnetic stainless steel contamination. This in turn delivers improvements in the detection of non-spherical and irregular shaped contamination such as wire and swarf.
Optimized Vector and Noise Control for Wet and Conductive Products
Wet or conductive products or those packed in metallized film materials can produce a large "product signal" making them a challenge for most metal detection systems.

The development of METTLER TOLEDO Safeline unique "Optimized Vector and Noise Control" (OVNC) software algorithm enables all unwanted signals including those generated from the product, plant vibration or from the actual working environment to be electronically filtered and eliminated. This allows the signals generated by actual metal contaminants to be more readily detectable.

Intelligent Multi-Channel Technology
Delivers Greater Detection Capability
The detection capability of Certus TS metal detectors is optimized by the simultaneous operation of multiple detection channels which combine to reduce the overall size of the detection envelope. Detection sensitivity is enhanced through the use of intelligent detection envelope profiling software which allows even the smallest pieces of metal to be detected for even greater levels of protection.
Data Collection Solutions
Providing Information to your Desktop

Certus TS detectors can be configured with data access sockets enabling manual data collection to take place. Detectors can also incorporate advanced connectivity technology including serial connections, ethernet, OPC DA and connection to leading factory management systems.

ProdX
The Integrated Product Inspection Data Collection Software Solution
Certus TS metal detectors can be fully integrated with METTLER TOLEDO ProdX software solution which provides data collection for all Product Inspection equipment. (see separate brochure)

Total Flexibility
Conveyorized Systems to Maximize Efficiency

Certus TS metal detectors provide a flexible inspection solution and offer a high degree of customization for easy integration with standard or custom conveyorized handling systems.

www.mt.com/safelineus
For more information