



## Touch LS

Increasing Productivity

Reducing Costs

Improving Competitiveness

Meeting Compliance Needs

## Improved Metal Detection Performance

Upgrade for Even Greater Success

**METTLER TOLEDO**

# Upgrade Your Existing Metal Detector

## Improve Performance, Increase Compliance

**Understanding customer care and safety by delivering quality products every time is paramount to the success and profitability of your business. This will have been the basis for choosing a METTLER TOLEDO Safeline Metal Detector when you first purchased it.**

Technology moves on at an ever increasing pace as consumers and retailers demand more from the products they purchase. This demand drives the evolution of more stringent food industry safety standards. For many metal detection systems, such shifts in requirements would necessitate the need to purchase a completely new machine just to keep pace - but this is no longer the case if you have a METTLER TOLEDO Safeline Signature detector.

### **An Upgrade Path Delivering Enhanced Performance**

Existing METTLER TOLEDO Safeline Signature users are now able to benefit from the new **Touch LS** upgrade path for enhanced performance. The upgrade takes detection sensitivity and operational efficiency up to levels similar to those offered by Safelines Profile metal detection technology.

The upgrade is carried out in-situ and installation is quick and simple resulting in negligible downtime. The new software platform provides improved levels of security, improved operational performance and increased compliance with the demands of food safety standards.



- In-situ 2 hour installation
- 25 User language options
- Full colour touch screen interface
- Due Diligence option
- Improved connectivity
- Continuous Condition Monitoring

# Rapid, Easy Installation

## Significant, Operational Benefits

**Your existing Signature metal detector can be upgraded without impacting on your production process. The installation typically takes less than 2 hours and can be scheduled to take place during planned production downtime.**



### The Touch LS Upgrade Pack Includes:

- Replacement full colour touch screen user interface
- Power supply upgrade
- Additional Condition Monitoring feature (conveyorised systems only)
- Full 12 month warranty on all newly fitted parts



As part of the upgrade process, our engineers can undertake recommissioning, training and carry out a Performance Verification routine (PV). A PV certificate will be issued in line with your IPac procedures. Customers currently not benefiting from the IPac documentation process can be issued with this upon request.

### IPac – Creating the documentation to Support Compliance Needs

Touch LS upgraded metal detectors can be supplied with a METTLER TOLEDO Safeline 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 quickly and efficiently every time an audit is conducted.



# Touch LS Upgrade

## The Benefits for Your Business

**A Signature metal detector upgraded with the Touch LS interface provides significant benefits for your business through a range of innovative features which can maximise product quality, enhanced manufacturing efficiency and delivering high levels of protection. In addition, these features can also deliver increased productivity, reduce manufacturing costs and improve the competitiveness of your business for greater profitability.**

### ● Increased Productivity

The Touch LS upgrade enhances performance improving operational efficiency and reducing downtime. This is realised through the following key features not seen on the standard Signature detector:

- 25 User Language Options
- Colour Touch Screen (HMI) interface
- Condition Monitoring
- Automatic Clustering
- Single Pass Auto Setup
- Enhanced Connectivity Options
- 21 CFR Part 11 Login Options

### ● Improved Competitiveness

Making your business more competitive is a key benefit of the Touch LS upgrade Innovative features which help to give your business the edge include:

- 32 Language and Function Specific User Accounts
- 100 Product Name Memory
- Access Logging (option)
- HACCP PV Alarm
- Histograms and Vector Displays (option)
- Intelligent Multi Channel Technology
- Product Names and Batch and Code Data
- Enhanced Due Diligence Option

### ● Reduced Manufacturing Costs

Taking costs out of your business feeds right through to increased profitability. Some of the features which help the Touch LS upgrade to reduce overall costs include:

- Detection and Access Logs (option)
- Programmable I/O (option)
- Improved Sealing Standard



# Shorter Set-up Time For Increased Efficiency

**With an increased range of features now available, your Touch LS upgraded metal detector can immediately deliver on some of the key benefits within your production process.**

## 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 an in-built memory which enables up to 100 different settings to be defined and stored for future recall.



Single-pass product setup reduces downtime dramatically



## High Security Password Controlled Access Ensures Settings are Protected

All detector settings are password protected to ensure unauthorised personnel do not inadvertently adjust important settings and parameters.

Individual operators can be assigned personal login details with their own user profile which can display information in a choice of 25 languages.

# Enhanced Compliance To Meet Your Customer Requirements



## Ensuring Scheduled Performance Validation Tests are Not Missed

Missed Performance Validation tests can compromise quality standards and lead to non-compliance in food standards audits. Touch LS upgraded detectors advise when test routines need to be performed and when testing is overdue via highly visible screen messages. These messages can be distributed to key personnel within your business via a range of communication methods to ensure corrective action is taken.



## Saving Time - Making Testing Easier

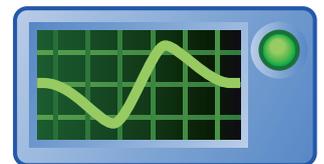
In-built Performance Validation software provides intuitive, step-by-step guidance for quality assurance testing. Test routines can be configured to ensure that system performance is validated and results are captured in order to meet internal procedures and external industry standards or regulations.

## Condition Monitoring - Addressing Issues Before They Occur

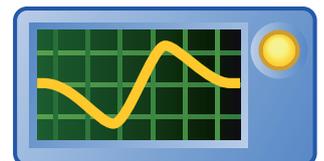
The costs associated with a line stoppage due to inspection system failure can have a serious impact on business performance. Being forewarned of potential line-stopping issues before they happen enables you to make contingency plans to avert costly unscheduled downtime.

Detectors with Condition Monitoring technology constantly analyse the performance of major detector components. Adverse trends are identified and highlighted as an early warning of a potential problem in advance of system failure. This enables production to continue uninterrupted until there is a convenient break in the manufacturing process when the issue can be addressed.

Advanced warnings are communicated via highly visible on-screen messages which can be exported through multiple communication channels including advanced connectivity solutions linking to factory management systems and email or SMS messaging.



System Healthy



Early Warning



Fault Condition

# Upgraded Software Options

## New Flexibility to Grow Your Business

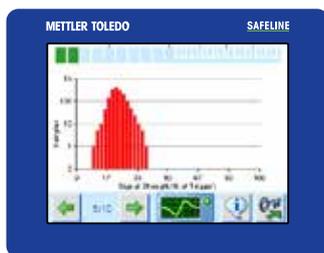
**Upgraded Touch LS Signature detectors enable manufacturers to configure detector functionality and feature sets to meet exact business needs. This is achieved through a high performance metal detector in combination with optional hardware and software bundles.**



### **Enhanced Due Diligence** To Meet Industry Standards

The due-diligence enhancements software includes:

- Reject check sensor
- Reject confirmation
- 21 CFR Part 11 login mode



### **Monitoring Product Data & the Environment** For Improved Detector Performance

The product data and environment display software package includes:

- Vector diagrams display
- Phase and signal amplitude histogram display
- Short term environmental monitoring

# Staying in Control of Your Processes

## Collecting Important Data

### Unrivalled Communications -

#### Delivering Information Where You Need it

METTLER TOLEDO Safeline metal detectors fitted with a Touch LS module can be configured with a range of data collection facilities to support informed decision making and meet Due Diligence needs. Options available include the connection of external print devices through to full Ethernet network connectivity.



#### Factory Management System Integration

The use of OPC DA technology is still growing as a means of transferring process control data. Detectors fitted with a Touch LS module can be configured to communicate with a host of SCADA based systems and factory management software solutions using this technology.



### ProdX

#### The Integrated Product Inspection Data Collection Software Solution

Metal detectors fitted with the Touch LS upgrade can be fully integrated with METTLER TOLEDO's **ProdX** software solution which provides data collection for all Product Inspection equipment.

► [www.mt.com/prodx](http://www.mt.com/prodx)

See separate **ProdX** and Data Collection brochures for more details.

[www.mt.com/metaldetection](http://www.mt.com/metaldetection)

For more information

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