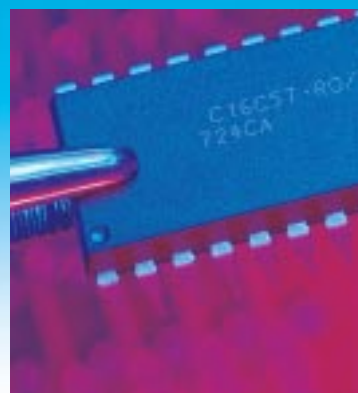
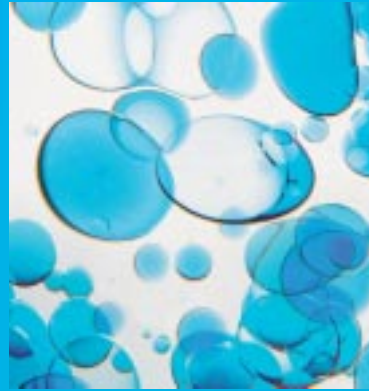


# Metal Detection

**SAFELINE**

Metal Detection



**Global Leadership**  
in metal detection

**METTLER TOLEDO**





Formed in 1989, Safeline has grown from a small privately owned UK based business to become the world's largest brand in industrial metal detection.

Today, we hold almost 30% of the global metal detection market and sell 65% more heads than our closest competitor. We have more than 500 staff, based at our UK headquarters and at subsidiaries in mainland Europe and the US, plus an extensive network of partner companies worldwide.



Inspection solutions for tablets and capsules

#### Unrivalled reach and capability

We are part of the Mettler Toledo group, a global corporation with sales in excess of \$1 billion a year providing the world's most comprehensive range of precision weighing, packaging, product inspection, laboratory instruments and services for industrial use. As part of the 'Product Inspection Division', which incorporates checkweighing and X-Ray inspection systems, we belong to a unique well resourced inspection solutions entity offering true global coverage and an unmatched record of technical innovation.

## World leaders in metal detection

providing peace of mind in an uncertain world

#### No room for complacency

Effective metal detection systems are a necessity for every food and pharmaceutical manufacturer safeguarding consumers, protecting manufacturer brands and assisting in conformance to regulatory requirements. Nobody understands these requirements better than Mettler-Toledo Safeline.

#### Comprehensively superior solutions

The most effective metal detection solutions combine a low power, high frequency magnetic coil with advanced digital signal processing - the coil senses the disturbance caused by metal contaminants and this signal is interpreted by digital electronics. Mettler-Toledo Safeline is the only company to place equal emphasis on improving the electronics and the magnetic sensing to provide the ultimate in metal detection capability.

#### The obvious choice

Mettler-Toledo Safeline end-of-line and in-process solutions are uniquely efficient, encompassing robust construction standards to deliver outstanding reliability and performance in even the harshest environments. Ease of operation is second to none - this maximises operator effectiveness and processing/packing line efficiency to provide true peace of mind.

In a complex and uncertain world, where the welfare of consumers and the reputation of brands are paramount, there's a refreshingly simple choice - Mettler-Toledo Safeline.



Inspection solutions for bakery applications



Inspection solutions for meat applications

### **Breadth of experience, depth of capability**

Part of our success rests on our ability to build extremely close partnerships with all of our customers to gain in-depth knowledge and expertise across a wide variety of industry sectors. Product quality is always consistent but each solution is customised to the manufacturers unique and widely differing requirements.

Demanding processes, limited manufacturing space, harsh environments, or unusual applications. Enhancing quality control, minimising breakdowns, demonstrating 'due diligence', conforming with ever stringent legislation, or satisfying increasingly demanding customers.

Whatever the challenges, our solutions combine cutting edge mechanical design and advanced digital electronics to provide the highest sensitivity and trouble-free performance.



## The widest range for the most diverse and demanding applications

from processed foods and packaged products to liquids, slurries and pharmaceuticals



Integration into conveyerised systems



Integrated systems for all metal detection applications

### **Conveyorised metal detection**

Complete and customised handling, detection and rejection systems utilising R-series metal detectors which are designed to deliver enhanced performance for all process and packaging applications.

### **Pipeline metal detection**

L-series pipeline mounted detection systems can incorporate a range of automatic 3-way divert valves for liquids and slurries such as peanut butter, jams, soups and processed meats. Suitable for very hostile environments and USDA approved,

L-series pipeline systems are sealed to IP69 standard.

### **Vertical Packaging Applications**

Use of unique ZMFZ technology enables T-series detectors to be installed in the restricted space between a weighing machine and a forming tube or throat of a vertical form fill seal machine.

## Pharmaceutical metal detection

Tablex integrated metal detection and high speed reject systems for in-line tablet and capsule inspection, plus gravity feed detectors for free falling powdered materials specifically designed for pharmaceutical applications.

## Bulk gravity fall detection

Fully integrated detection and reject devices designed for inspecting free falling bulk powders and granular products, in the food, pharmaceutical and chemical industries.



state of the art technology at your fingertips



Robust Signature membrane key panel interface

Mettler Toledo Safeline detectors are built on proven, state-of-the-art digital electronics platforms, providing the most user-friendly operator interface systems on the market.

### Signature

Features a robust membrane key panel with easy to operate menu driven operator interface. Signature also provides advanced Uni-Phase electronics and Multi-Frequency sensing for high performance, enhanced sensitivity, maximum versatility and line efficiency.

### Profile

Features colour 'touch screen' technology with Windows-style icon driven interface, data storage capability and copy/paste set up technology. Profile also provides an upgradeable 'future proof' electronics platform enabling it to grow with your long term needs. On-screen histograms capture performance and historical data whilst flexible connectivity interfaces enable integration with all major external data collection devices and systems.



Modern windows style Icon driven colour touch screen

### ZMFZ Technology

Zero Metal Free Zone (ZMFZ) is our unique patented system for the containment of detection fields. By using internal containment field technology (ICF), other metallic structures can be located in close proximity to the detector without the risk of interference or false triggering. This means systems can be installed in restricted spaces enabling processing and packing lines to be shorter than those without ZMFZ technology.



Suitable for installation in restricted spaces between weighers and baggers

**Total Quality is not just a catch-phrase at Mettler-Toledo Safeline - it's a key principle that runs all the way through everything we do, from supplier and customer relationships to manufacturing, design and testing practices.**



Manufacturing accredited to ISO 9001

#### **A commitment to continual improvement**

Mettler-Toledo Safeline is ISO9001 accredited and our machines are built to provide consistently high performance, even in the harshest environments, for years to come. Our centre of excellence for detection head design and manufacture is UK based. This facility also integrates heads into systems including reject devices and conveyors.

Localised support is provided globally through a network of strategically located specialist system designers and manufacturers across Europe, the US and the Asia-Pacific regions. These units give expert local support tailoring systems in line with regional standards and requirements.

## Quality and excellence come as standard

you can rely on us now, and in the future



Sophisticated electronic platforms

#### **An eye to the future**

The success of Mettler-Toledo Safeline is based on market leading innovation in metal detection. We have invested heavily in major R&D resources at our UK headquarters and operate a team of experts who are passionate about product development. They are not only focussed on delivering solutions which excel today, but are working closely with our customers to identify tomorrow's challenges and opportunities in the field of inspection and rejection of contaminated material.

#### **Total service for complete peace of mind**

Our after sales service programme gives you all the support you'll ever need. Our service help desk team are on hand to give technical advice and support while our field based service team are ready to commission new solutions to ensure optimum performance and benefits are realised from day one. Then we provide top level after sales support through our locally based network of fully trained service engineers and technicians.

Operator performance and line efficiency can be further enhanced through a range of training programmes and service contract packages. Available through Mettler-Toledo Safeline or our partner companies these packages are designed to ensure standards are maintained throughout your metal detection processes delivering maximum reliability and minimising downtime.



ServiceXXL  
Tailored Services



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

Visit for more information

**Mettler-Toledo Safeline Limited**

Montford Street  
Salford M50 2XD  
Tel +44(0)161 848 8636  
Fax +44(0)161 848 8595  
email [sales@safeline.co.uk](mailto:sales@safeline.co.uk)

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