

# SAFELINE

Metal Detection & X-Ray Inspection



## Product Inspection For Food & Pharmaceutical Processors & Packagers

**METTLER TOLEDO**

## Safeline Introduces the new PowerPhasePRO

We understand that product quality and safety are primary concerns for the food and pharmaceutical industries.

METTLER TOLEDO Safeline is the world's leading supplier of in-line metal detection systems. Our unrivaled technology, system engineering and service network delivers performance and uptime in even the very toughest of operational environments.

Our objective is to help you develop effective contaminant detection and removal programs that contribute to the success of your business. The new Safeline PowerPhasePRO sets the standard for future metal detection programs.



### Safeline Metal Detectors

Safeline offers three metal detector types for you to choose from.







 <b>SAFELINE</b> PowerPhase	 <b>SAFELINE</b> PowerPhasePLUS	 <b>SAFELINE</b> PowerPhasePRO
<ul style="list-style-type: none"> <li>• Over ten years as the industry standard for high performance metal detection.</li> <li>• Auto product setup simply achieved by passing the product through the detector.</li> <li>• Multiple product settings stored in memory.</li> <li>• Quick change module for rapid fault recovery.</li> </ul>	<ul style="list-style-type: none"> <li>• Dual frequency system achieves greater sensitivity across a variety of products.</li> <li>• IP69K (exceeding NEMA 4X) washdown protection for the harshest of operating environments.</li> <li>• Built-in Faraday screens eliminate radio interference from 2 way radios and variable frequency drives.</li> <li>• Rugged construction eliminates vibration triggered false rejects.</li> </ul>	<ul style="list-style-type: none"> <li>• Triple frequency operation for the highest sensitivity across the broadest range of products.</li> <li>• Enhanced one pass auto setup - 5 seconds every time!</li> <li>• Color touch screen interface with intuitive controls and detailed statistical reports.</li> <li>• Product clustering allows a family of products to be run with no operator intervention necessary at changeover, without sacrificing sensitivity.</li> <li>• Ethernet ready for remote operation and statistical reporting.</li> </ul>

## Safeline Metal Detection Systems

Safeline offers a broad range of standard and configurable systems to ensure the best solution for your product, your inspection needs, and your operating environment.

Our in-house engineering team can provide a solution tailored to your needs including a range of material handling and reject options.



	<b>Conveyor</b>	Our conveyors are designed as customized material handling systems for packaged, bulk, frozen or stock products.
	<b>Gravity Flow</b>	Gravity Flow detection system for inspection of dry, free flowing granule and powders such as flour, sugar, cereals and peanuts.
	<b>Pipeline</b>	Pipeline detection system for inspection of pumped liquids and slurries such as soup, cottage cheese and meat.
	<b>ZMFZ</b>	Zero Metal Free Zone system for inspection of dry products between the combination weigher and the vertical bagger for product such as cereals.
	<b>Tablex</b>	Tablex detection system for inspection of tablets or capsules at the outlet of the press.
	<b>TablexMC</b>	Tablex Mini Conveyor for inspecting tablets at the outlet of the press without the loss of vertical height.

## Connectivity Solutions

The importance of remote communication, analysis of the manufacturing line, and data storage continues to grow.

Mettler-Toledo Safeline has developed a range of connectivity solutions to meet your communication requirements.

The network solution from METTLER TOLEDO, FreeWeigh.Net is designed for statistical quality control of filling processes in food and pharmaceutical companies.

Safeline Explorer connects multiple metal detectors to a central computer for remote operation, data collection and analysis.




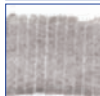





## Safeline introduces the new Series 10

X-Ray Inspection is the ultimate product integrity checking system for food and pharmaceutical packaging lines. Safeline X-Ray systems can look inside the final sealed package and confirm that all components are present, in addition to identifying contaminated or defective product.

Our systems incorporate Safeline's unique low energy x-ray generators to maximize system sensitivity.

### Benefits of X-Ray Inspection

Inspection capability not available in metal detectors or vision systems

	Contamination inspection for metal, glass, stone, high density rubber and PVC plastics
	Weight measurement by mass control, such as packaged bread
	Under/over fill with real time statistical feedback for QA and process control, such as ready meal inspection
	Identify crushed or damaged product, such as packaged pies
	Inspect for missing components such as a leaflet or counting tablets in blister packs
	Final inspection of product sealed in foil, plastic and card containers
	Verify sizes or shapes of packaged objects, such as a box of candy



### Harsh washdown design

Our x-ray inspection systems are designed for easy clean down and to withstand harsh washdown environments.

- Quick release conveyor mechanism simplifies sanitation and maintenance
- Rated to either IP65 or IP69K washdown standards
- Hygienic design with stainless steel construction, smooth surfaces and no bacterial traps

### X-Ray Safety

All Safeline systems use low energy, electrically generated x-rays which are fully contained within the cabinet to protect plant operators and leave inspected products unaffected.

- The units meet requirements specified by 21 CFR1020.40 as well as 21CFR, Part 179, Subpart B. Also, Eurotom 99 standards are exceeded by all units.
- Each unit is quality checked by an external auditor before leaving our manufacturing facility
- Safeline manages registration of each machine in the domain state and monitors state regulations









## The new Series 10: High performance and easy to operate

The new Series 10 X-Ray is simple to operate; it can detect and remove contaminant and measure over/under mass.

- Intuitive color touch screen (no keyboard required) with 15" display providing a visual reference using real time images and additional diagnostics data
  - Automatic product set-up software simplifies product set-up and changeover
  - Compact footprint minimizes impact on existing production lines
    - Varied reject options such as pusher, air blast and overhead sweep



## X-Ray Inspection Products

	<b>Series 10</b>	Cost effective x-ray inspection of packages and loose products
	<b>Series 20</b>	Inspect conveyed, loose, bulk flow and packaged products
	<b>Series 40</b>	Inspect larger conveyed, loose, bulk flow and packaged products
	<b>Series 50</b>	Inspect cans and glass jars
	<b>Series 70</b>	Pipeline inspection of fluid and slurried products
	<b>Series 80</b>	Inspection of oversize cartons and packages

## ServiceXXL

Professional assistance for your metal detection and x-ray inspection equipment is just a phone call away. A dedicated team of technical experts are at hand to answer your questions, whether it relates to a general inquiry or a complex problem: Our goal is to help get your line back up and running as quickly as possible.



### XXL Tailored Service Level Agreements

Safeline offers a range of service agreements designed to meet your needs. Different options allow you to tailor the agreement to best suit your application and production requirements.

General Service Table	Service Coverage Levels			
Support Options	Platinum	Gold	Silver	Tailored
Bi-Annual Preventative Maintenance	✓	✓	✓	Tailored to Customers Requirements
Bi-Annual Performance Verification	✓	✓	✓	
Traceable Certification	✓	✓	✓	
Emergency On Site Service Labor Included	✓	✓		
Emergency On Site Service Travel Included	✓	✓		
On Site Replacement Spare Parts	✓			
Hardware Updates (as needed)	✓			
Firmware Updates (as needed)	✓			
Refresher User Training	✓			
Customer Training Discount	✓			
On Site Response Time	12 hour	24 hour		
24/7 Technical Support	✓	✓	✓	

### Spare Parts

Our dedicated spare parts department can provide you with accurate information on your choice of replacements and upgrades. We can provide a recommended spares list which has been compiled especially for your equipment and a list of available test samples to keep your equipment in compliance. Most spare parts can be shipped within hours of order placement!

Please do not hesitate to contact Customer Service with any questions regarding spares or test samples.



### Comprehensive Equipment Qualification Service:

- Field specialists available to install your product inspection systems
- Certified specialists utilize traceable tests to manage the EQ protocols for you on your plant equipment
- Operator training programs at our dedicated training facilities or in your plant environment
- On-going performance certification program to enhance your current Performance Qualification and ensure the validated state is maintained
- Telephone support available 24 hours a day - 7 day a week

# Solutions For Food & Pharmaceutical Industries

Safeline is committed to improving your metal detection and x-ray inspection programs. Our value added services and facilities are available to assist you in maintaining the highest possible standards for your quality inspection program.

## Test Lab

We offer you the unique opportunity to test your products in our state-of-the-art test lab.

Let our experienced team determine the optimal inspection standards that can be achieved with your product.

Or if you prefer, visit our facilities to oversee the tests in person.



# SAFELINE

## Mobile Training Platform

Fully equipped motor coach brings fully functioning metal detectors and x-ray inspection units to your facility and your personnel.

Check our web site or contact your local sales representative to schedule a visit to your plant.

## Local Service Support

Wherever you are located, we provide local technical support through our unrivaled network of service technicians.

For your first line of support, we also offer a 24/7 hotline staffed by fully qualified technicians.

## On-line Resources

Our websites are a great educational resource with answers to many of your questions.

Find details on metal detection and x-ray inspection at [www.metal detection.com](http://www.metal detection.com).

For a full range of Mettler-Toledo products, go to [www.mt.com](http://www.mt.com).



[www.metalldetection.com](http://www.metalldetection.com)  
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