

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.



Mobile Training Platform

The fully equipped Safeline/Hi-Speed motor coach brings fully functioning checkweighers, metal detectors and x-ray inspection units to your facility and your personnel. Check our web site or contact your local sales representative for the latest schedule.



Test Labs

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.



On-line Resources

Our websites are a great educational resource with answers to many of your questions. If you are looking for information regarding checkweighers go to www.hispeedcheckweigher.com; find details about our metal detection or x-ray inspection at www.metaldetection.com; for a full range of METTLER TOLEDO products, go to www.mt.com.



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Series 80

X-Ray Inspection for Oversized Products

In the same way as an over-bright camera flash can wash out a photograph, the sensitivity of an x-ray inspection system is proportional to how low the x-ray generator power levels can be run.

Safeline incorporates unique low energy x-ray technology to boost inspection capabilities. In additional, for especially wide products, Safeline offers a dual beam system that further reduces power requirements and maximizes sensitivity.







Series 70

Pipeline X-Ray Inspection

The Series 70 is an easy to use contaminant removal system. Features include:

- User-friendly touch screen with 15" display. Provides a visual reference using real-time images plus additional diagnostics data.
- Unique 'low energy' technology for optimal sensitivity.
- Automatically compensating adaptive software allows optimum sensitivity to be continuously achieved throughout production, despite variations in the product density.
- Series 70 systems are built to IP69K washdown standards.
- Compact footprint minimizes the impact on existing production lines.
- The unique x-ray generator / detector design eliminates the need to separate the pipe and the inspection system during the calibration procedure.
- Set up in less than 5 mins.
- Optional cutting valve for dense meat products



Series 50

Jar & Can X-Ray Inspection

In the same way as an over-bright camera flash can wash out a photograph, the sensitivity of an x-ray inspection system is proportional to how low the x-ray generator power levels can be run.

Safeline incorporates unique low energy x-ray technology to boost inspection capabilities. In addition, for tall jars and cans, a unique low power dual beam system offers unrivaled levels of sensitivity.





Series 50S (Single Beam)



Series 40

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X-Ray Inspection for Larger Products

The Series 40C Packaged product

The Series 40C packaged product inspection system is configurable to individual applications and a variety of reject styles are available.

The Series 40C system requires minimal set-up procedures. To run a new product, simply pass the product through the unit and you are ready to go!

The Series 40B Bulk Product

The Series 40B inspection system is able to check for contamination in conveyed product, such as dried fruits dried vegetables, nuts, spices, grain and rice. The Series 40B scans for contaminants such as metal, glass, mineral stone and also inspects for product clumps.

Built-in material handling ensures consistent product presentation and single or multiple lane rejection ensures that the contaminant is efficiently removed from the product flow.



Series 20

High Performance, Great Flexibility

The Series 20C Packaged product

The Series 20C packaged product inspection system is configurable to individual applications and a variety of reject styles are available.

The Series 20C system requires minimal set-up procedures. To run a new product, simply pass the product through the unit and you are ready to go!

The Series 20B Bulk Product

The Series 20B inspection system is able to check for contamination in conveyed product, such as dried fruits dried vegetables, nuts, spices, grain and rice. The Series 20B scans for contaminants such as metal, glass, mineral stone and also inspects for product clumps.

Built-in material handling ensures consistent product presentation and single or multiple lane rejection ensures that the contaminant is efficiently removed from the product flow.

Series 50D (Dual Beam)

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Series 10 High Performance and Easy to Operate

The Series 10 is an easy to use contaminant removal and mass measurement system.

Features include:

- User-friendly touch screen with 15" display. Provides a visual reference using real-time images plus additional diagnostics data.
- Unique 'low energy' technology maximizes system sensitivity.
- Automatically compensating adaptive software allows optimum sensitivity to be continuously achieved throughout production, despite variations in the product density.
- Series 10 systems are built to IP69K washdown standards.
- Compact footprint minimizes the impact on existing production lines.
- Quick release conveyor belt simplifies sanitation and maintenance.
- Automatic product setup software simplifies product changeover.



Product Inspection

is our business



Operational Excellence - Maximizing up-time and enhanced line management

The Product Inspection team is committed to continuous improvement of our services and innovative technologies.

Our new Service XXL Program encompasses our entire customer service offering; from the 24/7 hotline to our comprehensive Equipment Qualification Services.

Our Connectivity Solutions are unrivaled in the industry, from real-time networked control, through to service equipment logs, we have the connectivity solution for you.

Service XXL - Tailored Services

ServiceXXL provides cost effective service solutions to ensure optimized equipment up-time, traceability of performance and regulatory compliance. The table below shows the range of products we have to offer.



Enhanced Line Management - Connectivity Solutions

The importance of remote communication, analysis of the manufacturing line and data storage continues to grow. The Product Inspection Division has developed a range of connectivity solutions to meet your communication requirements.

Our connectivity solutions allow you to:

- Increase user security controls
- Customize analytical reports
- Collect and maintain real-time data
- Control equipment remotely and in real-time



Explorer networks all your metal detectors and provides real-time operating status and equipment control.



ReAct enables remote control and monitoring of checkweighers.



Convevor Systems

The design and fabrication of each system is under our direct control to guarantee that the most critical inspection standards are optimized. Our experienced engineering team and designers work at advanced CAD workstations to ensure systems are designed precisely to each customer's individual requirements, for rapid commissioning and startup. Although many systems are unique, requiring special handling, product transfer or reject mechanisms, each and every one is built to the same high sanitary and clean line standards demanded by the food, chemical and pharmaceutical industries. In addition to the industry's leading metal detectors, we offer a wide variety of

mechanical handling and auto-reject devices designed to enhance detection among all types of products. Safeline conveyors include:

- Heavy-gauge polished stainless steel tubing
- TIG welding with no bolted assemblies
- Eddy current loop isolation to prevent static buildup and false rejects to ensure rapid start-up and commissioning









Pharmaceutical For Capsules & Tablets

For pharmaceutical tablet quality, Safeline's ultra-high-sensitivity detectors provide exceptional reliability especially in detecting stainless screen wire, a common contaminant. Features of our pharmaceutical detector include:

- Tablets and capsules inspected at a rate up to 10,000 per minute
- Inspection occurs at the press outlet
- Increased flexibility with our triple axis design that fits any press output configuration
- Washdown compliant with our mirror finish stainless steel construction that exceeds strict FDA sanitation requirements
- Two reject options including adjustable hose or removable reject bin
- Easily disassembled for cleaning
- Available with optional test pieces and validation procedures

Gravity Flow For Bulk Powders & Granules

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Our flexible system can be suspended or floor mounted to fit easily into an existing pipeline or beneath a feed hopper. Products are inspected quickly and thoroughly for a wide range of ferrous and non-ferrous contaminants. A highspeed reject-valve diverter eliminates contaminated product while keeping waste to a minimum and production moving along smoothly. Features include:

- Circular pipe throughput diameters from 25mm (1") to 300mm (12")
- Product inspection capacity up to 150,000 lbs/hour
- Static free throughput piping to eliminate static buildup
- Rectangular and larger-capacity systems available by special order
- Unique **Seal-tite** diverter valve can be easily disassembled for cleaning and inspection.

Pipeline For Pumped Liquids & Slurries

For reliably detecting metal in soup, peanut butter, jam and other thick liquids and slurries, our advanced pipeline inspection system includes a highly sensitive metal detector, rugged throughput pipe, and an automatic three-way diverter valve. Flexible framework allows the system to be suspended or floor mounted. Heavy-duty pipes and swaged metal fittings can stand up to even the most demanding applications. Features include:

- Pipe diameters from 25mm (1") to 150mm (6")
- Stainless steel construction
- USDA approved
- Exceeds NEMA 4X/IP69K washdown specs
- Withstands up to 1000 PSI burst pressure
- Individual pipe pressure testing and certification available





ZMFZ Between Scale And VFFS Bagger

We offer a full range of detectors with reduced metal free zone capability designed to fit in the smallest space possible between the scale and VFFS bagger or below an auger filler. Our Zero Metal Free Zone (ZMFZ) Detector is perfect for applications such as snack foods and cereals. Features include:

- Handles throughput feeds from 50mm (2") to 250mm (10") in diameter
- Available with non-metallic throughput pipes and funnels
- Custom-built support frames to meet the needs of any scale/bagger combination

Other Detectors Available From Safeline:

Ferrous-in-Foil

Detects ferrous metal in aluminum foil-packed products.

Inverse Detector

Confirms the presence of an essential metal component in each package, such as foil premiums in cereal boxes or medical supplies.

Powerphase Plus

All Safeline Detectors offer advanced, microprocessor-based technology. Incorporating digital-signal processing, and include:

- Automatic Setup adjusts to optimum performance by simply passing a few sample products down the line.
- Automatic Balance Control (ABC) maintains the highest sensitivity levels despite temperature fluctuations, electronic aging and product build-up.
- Optimum Detection Standards achieved through our unique domed detector, delivers exceptional coil system rigidity.

- Minimized False Rejects are obtained by our rigid coil system, which eliminates vibration interference.
- Maximized Durability exceeds NEMA 4X and IP69K standards.