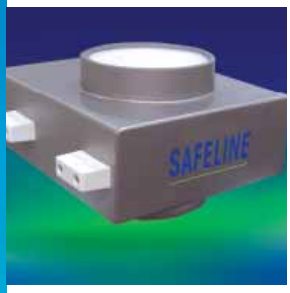
Metal Detection

T Series

Metal Detection for Vertical Packaging Applications





Maximum Reliability in all Environments

A choice of painted or stainless steel finishes and sealing up to IP66+ standard ensures reliable performance and maximum efficiency in all environments.



Installation in the Most Restricted Spaces

The use of ZMFZ and ICF technology minimises overall height requirements allowing for easy installation, even in restricted spaces.



Minimised Downtime Through Rapid Set-up Interfaces

Fast, easy setting for maximum process up-time through a choice of intuitive Profile or Signature operator interfaces.



T Series

Designed to detect metal contaminated product in vertical packaging applications, METTLER TOLEDO SAFELINE's T Series detectors provide the optimum solution for the rapid inspection of in-flight product immediately prior to packing into bags, pouches, sachets or boxes.

Unrivalled levels of detection sensitivity are attainable through the use of a sophisticated detection coil and electronic operating systems. Even difficult to detect non-magnetic stainless steels can be readily identified and contaminated products eliminated from the packing process.

T Series detectors require minimal space for installation enabling them to be located in close proximity to other metal structures and equipment, between a weigher and bagmaker for example, without impairing detector performance.

METTLER TOLEDO

Technical Data

T Series

Metal Detection for Vertical Packaging Applications



Features

- **In-flight inspection for maximum plant efficiency**
- **Unrivalled detection sensitivity for maximum consumer protection and peace of mind**
- **Optimal performance in the most restricted spaces**
- **Complete weigher and bagger integration for easy installation and maximised performance**
- **Detector and system validation for compliance with industry standards and customer requirements**
- **Manufactured for reliability in all environments**

In-Flight Inspection for Maximum Plant Efficiency

T Series detectors inspect product while in-flight between the weigher and bagger for maximum process efficiency making them ideally suited for the inspection of all vertically packed food products including snack foods, confectionery and IQF food products. T series detectors overcome the sensitivity limitations created by modern packaging materials by inspecting product immediately prior to the final pack sealing process.

Unrivalled Detection Sensitivity for Maximum Consumer Protection and Peace of Mind

The highest levels of sensitivity across a wide range of applications are delivered by T Series detectors. The use of high frequency technology combined with enhanced filtering techniques provide the highest levels of sensitivity across all metal types, including the normally difficult to detect non-magnetic stainless steels. Non spherical contaminants such as wire, swarf and slithers of metal are also detected ensuring maximum consumer protection.

Optimal Performance in the Most Restricted Spaces

SAFELINE's renowned ZMFZ (Zero Metal Free Zone) and patented ICF (Internal Cancellation Field) technology allows detectors to be located in close proximity to other metal structures without compromising performance. This technology enables them to be installed in extremely restricted spaces in vertical packaging applications between weighers and baggers eliminating the need for the re-engineering of support structures and frameworks.

A guide to insertion space (millimetres).

Aperture Diameter	Insertion Space
150	190
175	220
200	250

Complete Weigher and Bagger Integration for Easy Installation and Maximised Performance

SAFELINE T Series detectors are compatible with most major weighing and bag making combinations including Ishida, TNA, Rovema, Bosch, Woodman, Wright, Yamato, and Multipond. Installation is made simple with the help of the highly experienced SAFELINE trained engineers. A full range of fixed position, slide or swing out mounting frames and non-metallic product throughput tubes are also available for maximum installation effectiveness and process performance.

Detector & System Validation for Compliance With Industry Standards and Customer Requirements

In line with GMP guidelines, general food safety legislation and retailer codes of practice, an intuitive "Operational & Performance Validation" software routine guides Q.A. staff through a full system validation procedure. Validation data is stored along with line performance data within the metal detector. Data communication options ranging from simple RS232 to Wireless Ethernet options ensure that any stored data can be communicated to company management information systems.

Manufactured for Reliability in All Environments

A choice of finishes, sealing standards and operator interfaces enable systems to be configured to suit any environment. Painted or stainless steel finishes are available with sealing standards from IP65 up to IP66+ for heavy wash-down conditions. System operation is intuitive through a choice of either Profile colour touch screen technology or robust membrane key panel driven Signature electronics. Both electronic options offer sophisticated digital signal processing ensuring rapid, optimised set-up and minimal downtime at product changeover leading to maximised process and plant efficiency.

Model	Sealing Standard
Medium Duty Painted	IP65
Medium Duty Stainless Steel	IP65
Heavy Duty Stainless Steel	IP66+

Subject to technical changes
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