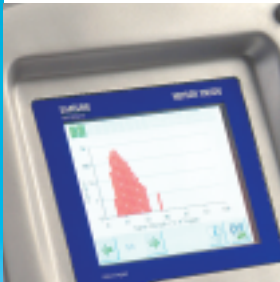
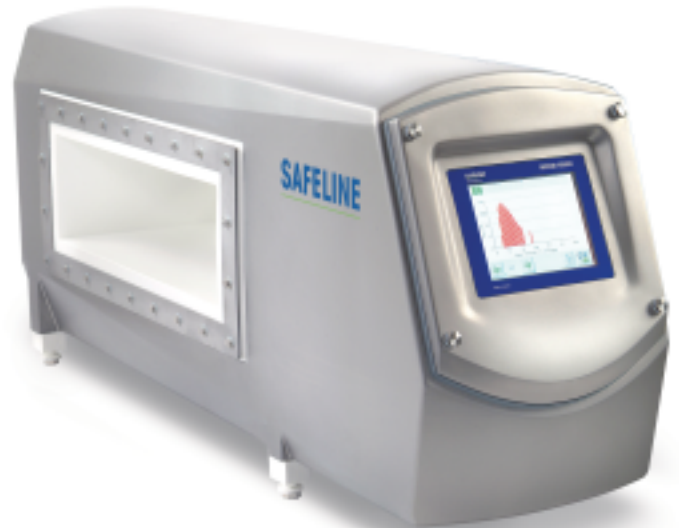


R Series Profile

Metal detection for processing & packing



Easy to operate

The profile electronics platform provides a modern full colour touch screen interface with windows style icon driven software. This enables operators to access and analyse on-screen data.



Conveyor integration

R series detection heads can be fully integrated into a wide range of standard or bespoke conveyor systems enabling automated on-line inspection to take place.



Maximum versatility

Mettler-Toledo R Series heads are designed to withstand the rigors of harsh production environments.

R Series Profile

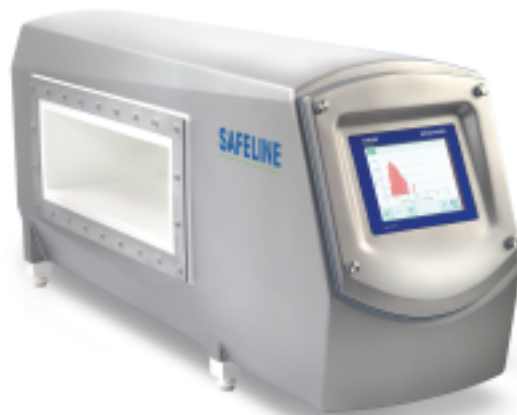
Designed for easy integration into food production lines, R Series Profile detector heads deliver high performance in-line metal detection. When combined with materials handling systems such as conveyors, product inspection can be fully automated.

Sophisticated software delivers unrivalled levels of detection sensitivity enabling the detection of even difficult to find non-magnetic stainless steels. In addition, other benefits include intuitive easy to use interface, change free running mode, in-built condition monitoring and new levels of data collection and network connectivity.

R Series Profile heads are also suitable for use in a wide variety of other general industrial metal detection applications.

R Series Profile

Metal detection for processing and packaging



Features

- **Modern metal detection**
- **Unrivalled detection sensitivity**
- **Change free mode**
- **Fail safe condition monitoring**
- **Data collection & network connectivity**

Modern metal detection

With the latest colour touch screen interface, windows style icon driven software and new sophisticated digital signal processing techniques the R Series Profile is truly the modern way to metal detect. New digital signal processing techniques measure the electronic profile of the product to be inspected.

The product profile is stored and processed digitally to provide genuine ease of use with optimised detection sensitivity. The intuitive icon driven interface facilitates a whole host of new features to be added without complexity, making setting up secure but simple.

Unrivalled detection sensitivity

The R Series detector gives unrivalled performance and sets the benchmark for sensitivity and stability. A multi-frequency coil system selectable through software ensures that that sensitivity can be optimised for a wide range of products; high frequency operation also ensures that the difficult non magnetic stainless steel contaminants are detected.

Change Free mode

For many metal detector users changing product means having to change metal detector settings, the R Series profile incorporates a new Change Free mode that allows products that exhibit a product effect to be passed through the detector without the need to change settings. New multiple phase filtering allocates each product its own phase filter. Effectively the electronic profile of each product is measured and memorised and a phase filter allocated to each individual product profile. Other metal detectors have a single phase filter that either needs to be reset for each product or set to some arbitrary value that will accommodate all products. The new sophisticated Profile electronics provide Change Free operation with improved sensitivity.

Fail safe condition monitoring

Machine up time is an important consideration for many users, maintenance must be kept to a minimum and when required it should be programmed maintenance. The R Series Profile has inbuilt monitoring systems that constantly monitor the condition of the detectors coil system and electronics and gives advance warning if corrective action is required. The inbuilt monitoring system ensures fail safe operation and can also provide an alternative to supplementary automated external checking systems.

Data collection & network connectivity

Traceability, performance validation and proof of regulatory compliance have become essential requirements for modern metal detection equipment. The R Series profile is equipped with software routines that assist validation but more over is equipped with increased data collection facilities that record detector usage and provide information on product throughput. Cache storage, histogram displays and Ethernet communications allows the metal detector to be used as a useful data collection device.

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