



### **RB Series Metal Detectors**

Maximum Detection Performance

Designed for Bulk Product Inspection

Suitable for All Environments

Easy System Integration

## **RB Series Metal Detectors** For the Inspection of Bulk Products

# High Performance Metal Detection For Bulk Product Inspection Applications

**METTLER-TOLEDO SAFELINE RB Series rectangular aperture metal detectors are designed to inspect all manner of bulk products for metal contamination in food processing and packaging environments.**

When integrated with conveyorised product handling systems, RB Series detectors can increase productivity, improve the competitiveness of your business, reduce overall costs and support compliance with food safety standards.

## **Maximum Reliability Regardless of the Working Environments**

RB Series detector heads are available in a choice of finishes and sealing standards. The requirements of IP69K standard are met through rugged, heavy duty, all stainless steel construction with multiple seals to electronic enclosures to withstand the rigours of heavy wash-down regimes and the most hostile environments. Alternatively, medium duty stainless steel and painted finish versions are available for use in less aggressive, light washdown and wipe down environments. In all cases, dirt traps have been eliminated enabling manufacturers to meet exacting hygiene standards in all environments.

RB Series metal detectors can also be supplied for use in dusty environments incorporating full compliance with ATEX EXII Cat 2D T79 C.





### The Highest Sensitivity for Maximum Security

The use of an advanced SAFELINE detection coil design featuring unique transmit and receive coil geometry and new electronic filtering techniques deliver unparalleled sensitivity to all metal types. Ferrous, non-ferrous and even difficult to identify non-magnetic stainless steel contaminants can be easily detected enabling effective removed from processing and packing lines to take place.

RB Series detectors also provide particularly high performance when challenged with the detection of non-spherical contaminants such as wire, swarf and slithers of metal. Contaminants of this type are notoriously difficult to detect.

Advanced software algorithms also provide exceptional levels of on-line stability resulting in reliable on-line performance and a reduction of product waste due to the elimination of false triggering and loss of good product.

### Flexibility to Inspect All Product Types

Available with a choice of single, or multiple frequency operation, RB Series metal detectors can be configured to inspect any individual or mix of products from large 25 or 50 kilo sacks of dry powders through to products with large product signals such as cheese blocks and bulk meat packs. This flexibility provides an adaptable solution to grow with your business.



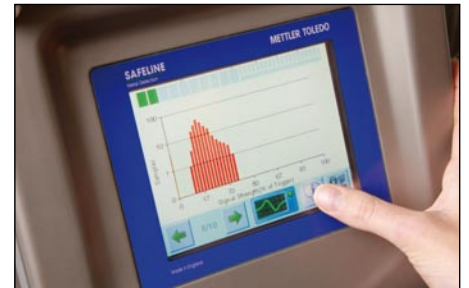
### Data Collection Solutions

RB Series metal detectors can be connected to mobile printers to enable process data to be collected to support compliance and proof of due diligence. Alternatively, systems can be linked via a serial connection or Ethernet technology to a wide range of factory data management systems. This enables real time data collection and transfer to be realised.

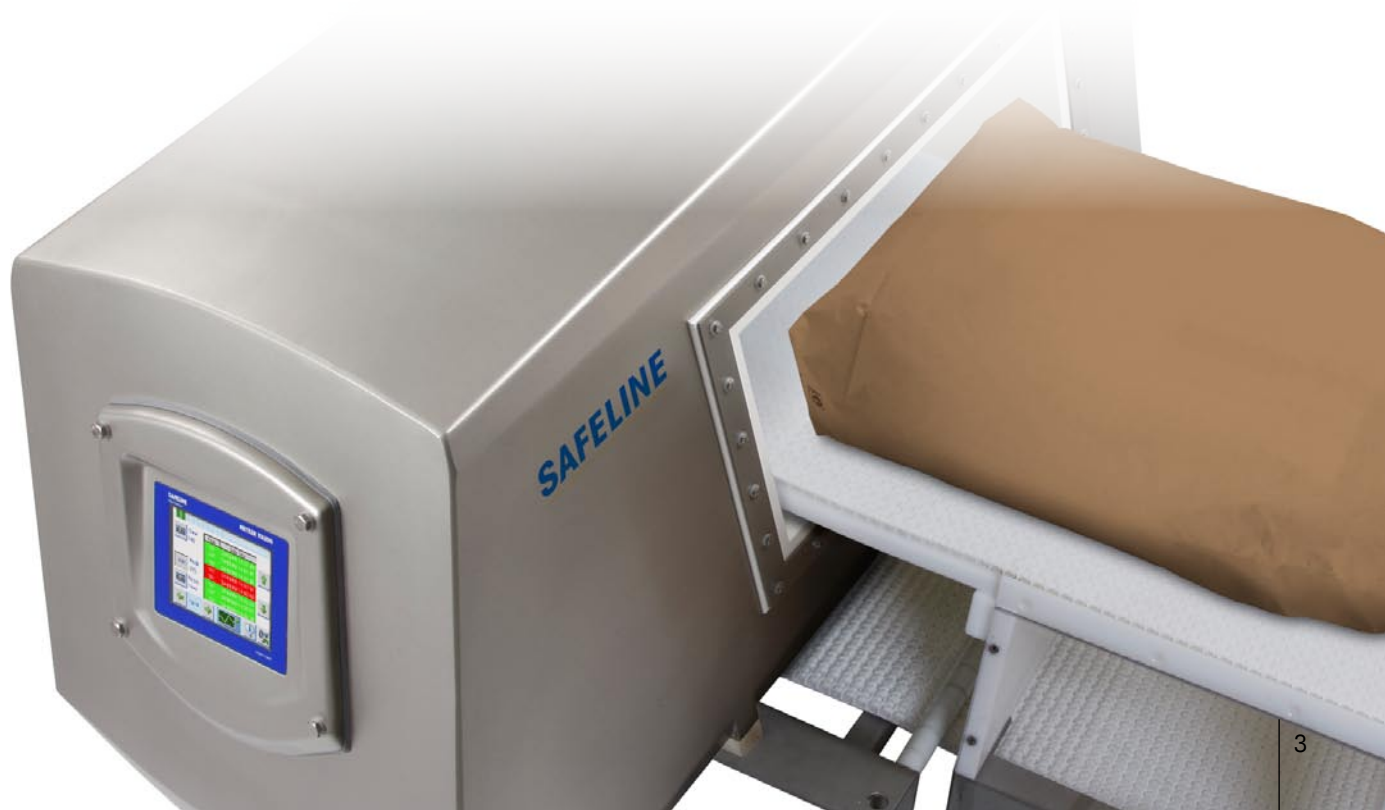
### Easy Operation for Optimum Efficiency

The operator interface utilises SAFELINE's Profile software platform with a full colour touch screen technology. The intuitive Profile platform provides numerous operational benefits including:

- High security password protected access
- Built-in auto set-up routines
- Continuous Condition Monitoring
- On-screen histograms for the analysis of processes
- SMS/email messaging facility
- User access and detection event log



RB Series detectors are also available with SAFELINE's Signature software operating platform (not shown).



## Reliable Removal of Contaminants

The effective removal of metal contamination from your manufacturing process is critical to ensure product quality is optimised and to afford maximum protection of your customers and your business.

## A choice of standard or bespoke conveyor systems

RB series detectors can be supplied fully integrated with material handling and conveyorised systems to ensure the correct contaminated product or pack is removed from your process every time.

Standard configurations such as the well proven Series 200 conveyor design are available with many options from simple stop alarm systems through to systems with automated rejection systems. Alternatively, our experienced design team are able to design bespoke systems tailored to meet your exact needs. These can incorporate special rejection devices and a host of secure failsafe systems to meet the demands of all leading food safety standards.



## Meeting Compliance Requirements with IPac

All RB Series metal detection systems are supplied with a METTLER TOLEDO IPac installation and performance verification package. This provides the necessary documentation to support compliance with industry standards, prove due diligence has been exercised and simplify the task of meeting external auditor requirements.



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

for more information

### Mettler-Toledo Ltd.

Product Inspection Division  
64 Boston Road, Beaumont Leys  
Leicester, LE4 1AW

Tel: +44(0) 116 235 7070  
Fax: +44(0) 116 234 6719  
E-mail: [pi.mtuk@mt.com](mailto:pi.mtuk@mt.com)

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