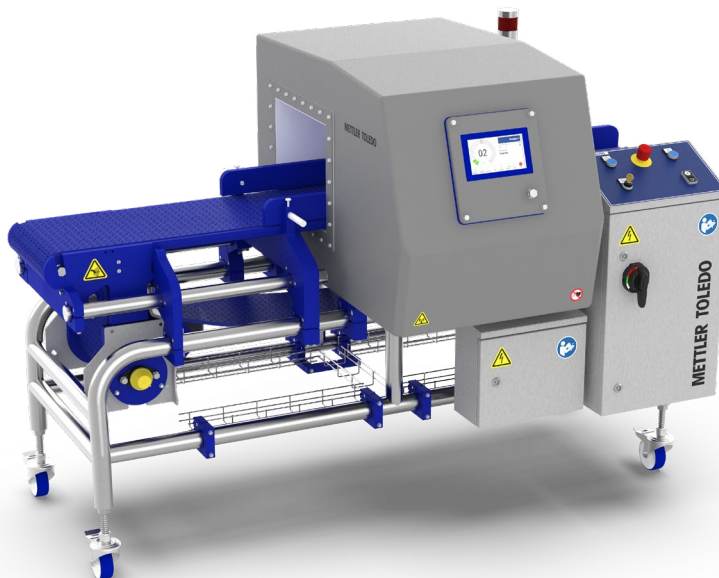


Enhanced Detection Performance For Bulk Applications



M33RB PlusLine – Enhanced Detection Performance

The right choice for high performance inspection of bulk products, with a design that makes upgrades simple. The M33RB metal detector provides enhanced metal detection performance in bulk product applications helping you to meet global food safety standards more easily.

Our next generation metal detection system combines market-leading innovation with future-proof flexibility.

A combination of innovative case and coil geometry and high frequency, tuned technology enable the M33RB model to deliver increased spherical sensitivity performance in bulk applications by up to 30% over entry level tuned solutions.

The M33RB can be integrated with an extensive range of conveyors including our latest GC Series systems. This combination can give you an upgradable solution at an affordable price, and help to protect your brand, processes and profits.

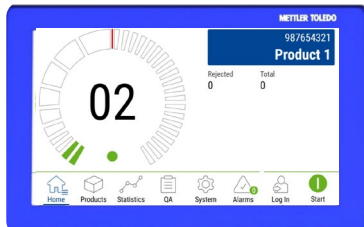
METTLER TOLEDO

Enhanced Performance In Bulk Applications

- Tuned, very high frequency, patented eDrive™ technology and optimized coil geometry combined deliver up to 30% better spherical sensitivity in bulk applications over entry-level solutions
- Smart technology for enhanced process control
- Easy to use, set up and maintain
- Simplify essential tasks with intuitive software

M33RB is the right choice for inspecting bulk products when you need to balance performance and budget needs. Integrate it with our range of heavy-duty conveyor systems for a fully-integrated solution that reliably inspects products for metal contamination, and simplifies the process of removing metal contaminated products from the production line.

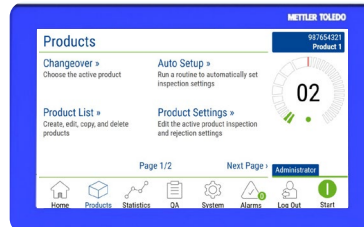
Smart, Digital Technology



Powerful digital technology powered by innovative SENSE™ software, combined with advanced algorithms delivers better quality control:

- High detection capability for all metal types
- Excellent on-line stability
- Enhanced reject confirmation assurance

Easy Setup and Operation



The M33RB is designed for simple operation to deliver consistent, high-performance results for the life of the system.

- Icon-driven menus in local language simplify operation and greatly reduce error risk
- The full-color touchscreen makes it easy to review essential data quickly

Built to Last



Dynamic Stability Control (DSC) creates a stable, reliable, platform capable of delivering long-term performance when supported with appropriate maintenance:

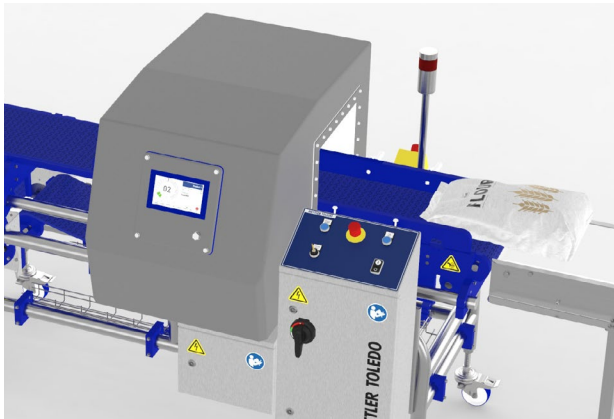
- Advanced detection coil stabilisation technique
- Enhanced Automatic Balance Control (ABC)
- Noise filtering
- Vibration immunity



Software-Centric Control For Enhanced Performance

As the design authority for both the metal detector and the product handling solution, we can maximize the potential for trouble-free, long-term system performance. With our next generation systems, the metal detector is in complete control of the integrated system, to support greater process control.

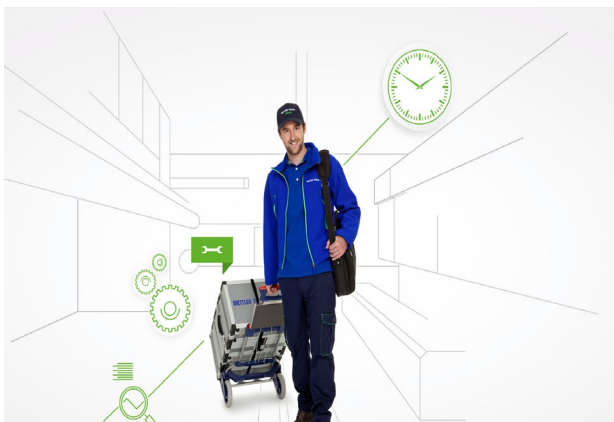
System Integration



The M33RB is compatible with our range of conveyor systems suitable for medium-heavy weight products to provide a fully-integrated metal detection solution.

- Choose from basic stop alarm systems or a range of fully automated reject devices
- Customize your system with a suite of failsafe devices, warnings and alarms

Global Service and Support



METTLER TOLEDO Service with global reach and tailored care solutions.

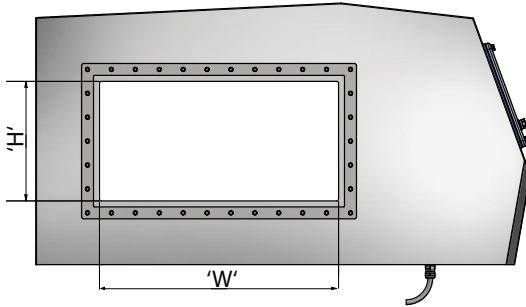
A global service network delivers local support, covering professional installation and service plans through to spare parts delivery. This helps the M33RB to deliver maximum performance and results throughout the system's lifecycle.

Various flexible solutions

- Care Contracts
- IPac and Performance Verification
- Preventive Maintenance
- Certified Test Samples
- Recommended Spare Parts
- Modular Operator, Quality Assurance and Maintenance Training

M33RB PlusLine

Enhanced Performance in Bulk Product Applications



M33RB PlusLine metal detector head side view

Fully Integrated Conveyorized System Options

For information about conveyor system compatibility and system-specific technical specifications please refer to the applicable **conveyor systems brochures**. These are available on the documentation tab of our website.

► www.mt.com/md-M33RB

	Technical Details	M33RB PlusLine
Sensitivity Features	Operating frequency	Very high, tuned, single frequency operation with 3 user-selectable frequencies
	Standard aperture widths (W)	500 mm - 1000 mm*
	Standard aperture heights (H)	250 mm - 550 mm*
	Mounting methods	Base, oversquare
Productivity Features	Human-machine interface (HMI)	7" WVGA touchscreen
	Languages (menus, prompts)	33
	Product memories	200
	Setup	Simple set-up with manual product clustering
Environment Features	Ingress protection rating	Light duty IP65; Medium duty IP66; Heavy duty IP69k
	Surface material and finish	Stainless steel SS304, SS316; bead-blast or brushed
	Operating temperature	-10 to 45 °C
	Electrical (metal detection head)	100 to 240 VAC (+10% / -15%), 50 to 60 Hz, max 220 W
Compliance Features	Routine Alarm with "Due" notification	Performance Monitoring Alarm
	Performance Indicator	Color-coded bar graph and digital display; pack count; reject count
	USB Port	Yes - facilitates system upgrades and software updates
	Due Diligence Capability	Base Pack**
	Inputs and outputs	10 programmable inputs; 6 programmable outputs
	Performance Verification	Option - annual PV Service
Service Features	Spare Parts	Modular spare parts and kits available
	Start-up Support	IPac option
	In-life support	Preventative Maintenance, Care Contracts Operator / Quality / Maintenance Training

*Please contact your local METTLER TOLEDO Product Inspection sales representative for full specification details.

**Base Pack capability includes: infeed pack sensor monitoring, air failure warning, bin full warning, rejected product confirmation / reject operation failure, head fault warning, belt stops on all warnings/faults (hardware required - refer to conveyor system brochure for full details)



Mettler-Toledo Group
Product Inspection Division
Local contact: www.mt.com/contacts



Subject to technical changes.
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For more information