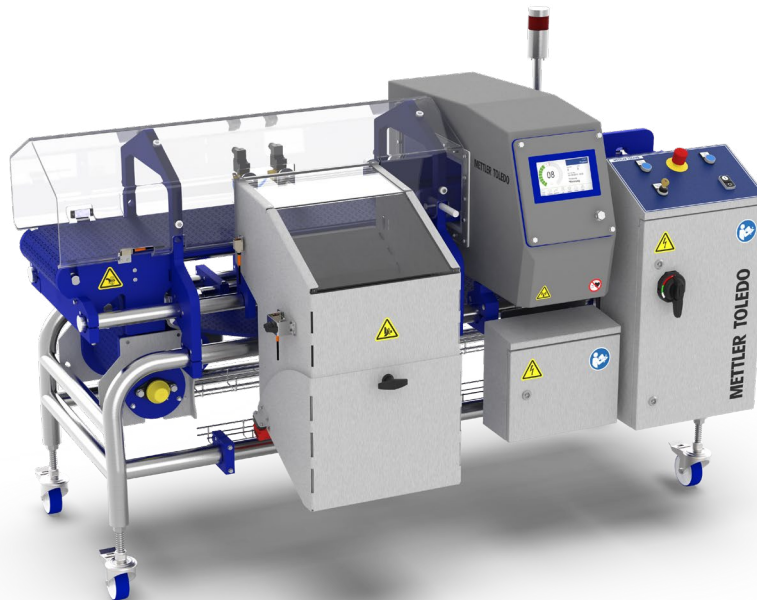


Enhanced Detection Performance For Challenging Applications



M34R PlusLine – Enhanced Detection Performance

The M34R metal detector delivers up to 25% better spherical metal contaminant detection when inspecting wet products or products packed in metallized film than single or multi-frequency technology models, helping you to meet global food safety standards.

Advanced Dual-Simultaneous Frequency (DSF) technology combined with our "3S" algorithm improves spherical sensitivity by up to 25% and reduces false rejects in applications with product effect.

The M34R is smart, digital technology in a rugged design made for demanding production environments with strict washdown routines. The system is designed for easy upgradability, to support reduced overall cost of ownership.

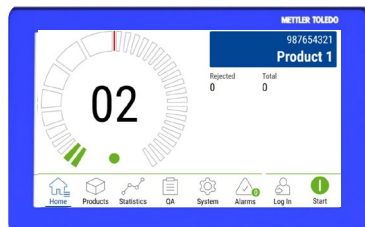
The M34R is compatible with a wide variety of conveyors including our latest GC Series systems. This combination can give you an upgradable solution at an affordable price, and help to protect your brand, processes and profits.

Enhanced Performance In Challenging Applications

- **Dual-Simultaneous Frequency technology and the Product Signal Suppression algorithm combine to deliver up to 25% better spherical sensitivity in wet or conductive applications over tuned technology and minimize false rejects**
- **Smart technology for enhanced process control**
- **Easy to use, set up and maintain**
- **Simplify essential tasks with intuitive software**

M34R is the right choice for inspecting challenging chilled, wet, frozen / thawing or metallized film applications when you need to balance achieving inspection performance with total cost of ownership. Integrate it with a wide range of conveyor systems for a fully-integrated solution that can reliably inspect and effectively detect and reject metal-contaminated products, with minimal false rejects.

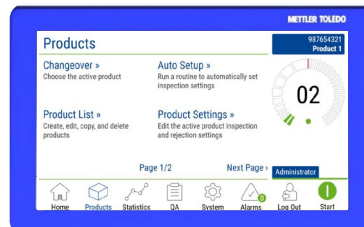
Smart, Digital Technology



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

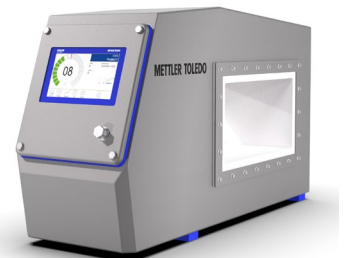
Easy Setup and Operation



The M34R 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

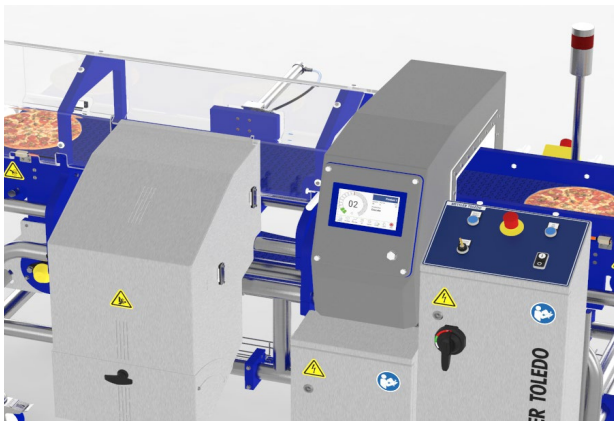


Software-Centric Control

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.

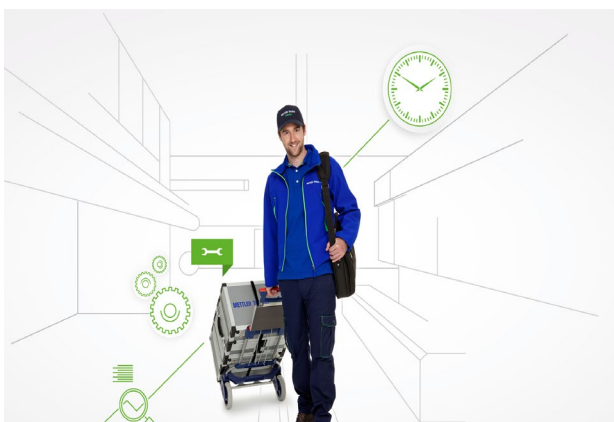
System Integration



The M34R is compatible with an extensive range of conveyor systems 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.

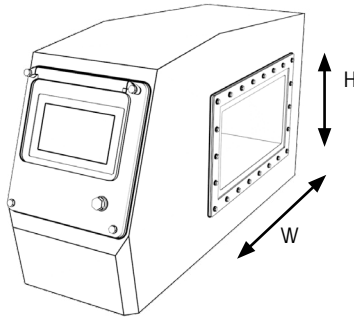
A global service network delivers local support, covering professional installation and service plans through to spare parts delivery. This helps the M34R to deliver maximum performance and results throughout the system's lifecycle.

Various flexible solutions

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

M34R PlusLine

Enhanced Performance
in Challenging Applications



M34R PlusLine metal detector head

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-M34R

	Technical Details	M34R PlusLine
Sensitivity Features	Operating frequency	Dual-Simultaneous Frequency (DSF) with 7 modes available
	Standard aperture widths (W)	100 mm - 1900 mm*
	Standard aperture heights (H)	100 mm - 500 mm*
	Mounting methods	Base, oversquare
Productivity Features	Human-machine interface (HMI)	7" WVGA touchscreen
	Languages (menus, prompts)	33
	Product memories	200
	Setup	Single pass auto setup with intuitive 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
Service Features	Performance Verification	Option - annual PV Service
	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