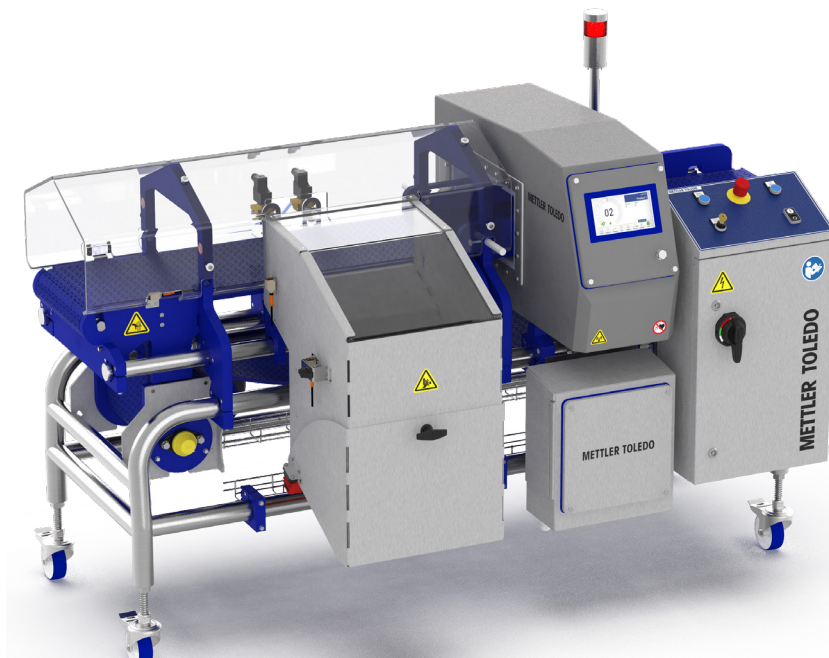


Enhanced Performance In Challenging Applications



M34R PlusLine

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. Ideal when you need to meet industry standards and regulations.

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, hygienic design made for demanding production environments with strict washdown routines. The system is designed for easy upgradability, to support reduced overall cost of ownership.

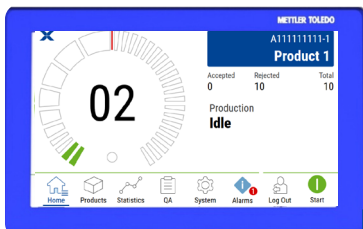
- Very high sensitivity to all metal types in challenging applications
- Simple setup in 33 languages with intuitive clustering for increased productivity
- Easy to integrate with a wide range of conveyor systems
- Flexibility to customize the solution to meet performance and budget needs

METTLER TOLEDO

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**

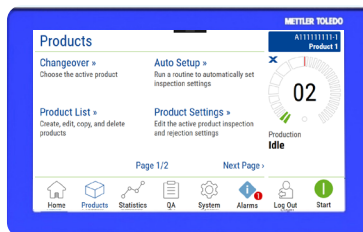
The M34R is the right choice for inspecting challenging chilled, wet, frozen / thawing or metallized film applications when you need to balance achieving inspection performance with total cost of ownership. Integrate it with a range of conveyor systems for a solution that can reliably inspect and effectively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



Smart, digital technology

Cutting-edge digital technology powered by innovative SENSE™ software, combined with advanced algorithms delivers better quality control.

- Very high detection capability for all metal types in challenging applications
- Excellent on-line stability
- Condition monitoring reduces unplanned downtime risk



Easy setup and operation

The M34R is designed for simple operation to deliver consistent, high-performance results for the life of the system.

- Simple operation via icon-driven menus
- Intuitive clustering reduces downtime during changeovers
- On-board test reminder with pass/fail confirmation



Global service, local support

A global service network delivers local support, covering professional installation and service plans through to spare parts delivery.

- IPac Equipment Qualification
- Care Contracts
- Spare Part Kits
- Preventive Maintenance
- Certified Test Samples
- User Training
- Performance Verification



Excellent viewability with widescreen LCD display



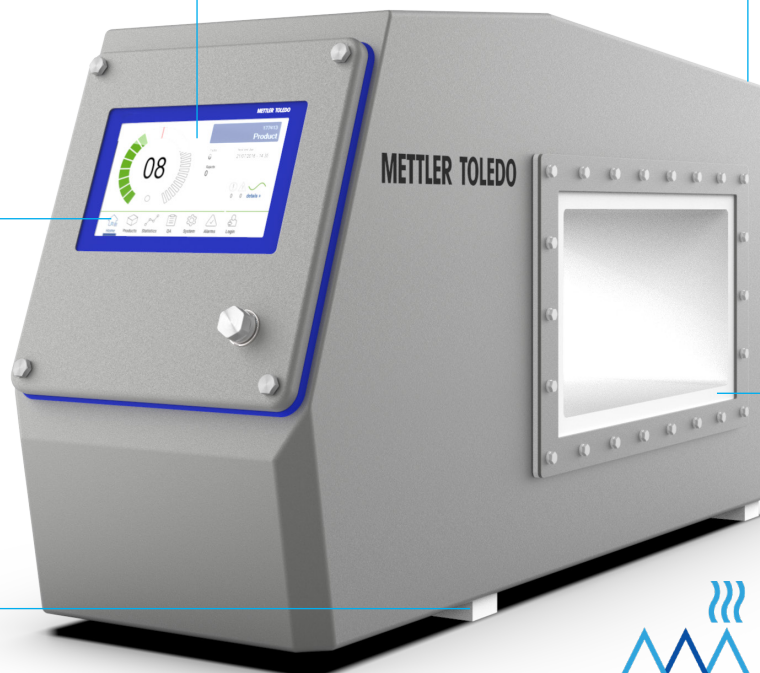
Easy to use, menu-driven user interface, customizable to different users' needs



Backwards-compatible with existing material handling systems



Ergonomic, rugged, hygienic styling



IP69K option with application-proven, multi-way seal technology and one piece liner



Simplify essential tasks

The M34R PlusLine offers several productivity and compliance enhancements over entry-level StandardLine models.

- Enhanced routine testing support with step-by-step on-screen guidance and confirmation of 'pass' status for all checkpoints
- Series of Alarm, Access and Detection Logs provide documented evidence for audit processes
- Remote bin lock/unlock facility and reject check sensor for better process control
- Option to increase I/O for higher level due diligence capabilities

Paperless record-keeping

Looking to increase efficiency and enhance sustainability?

Streamline your processes and reduce costs with semi-automated data collection via USB, or automated data collection via Prodx™.

- Remove the need for paper records
- Simplify data storage and retrieval
- Increase data transparency
- Meet global standards and retailer codes of practice

M34R PlusLine Performance Test Report

Report Created

17/11/2022

Serial Number

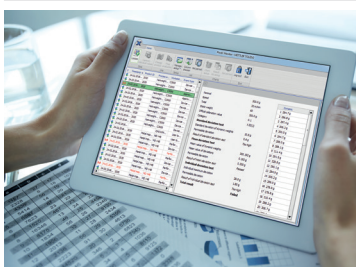
B920671474

Created By

QA Manager

17/11/2022

Test	Result	Account	Time	Product	Sample	Result
Standard Test	✓ Passed	FACTORY	14:18:43 17/11/2022	Product 1 B920671474	Ferrara 1.00 mm	✓ Passed

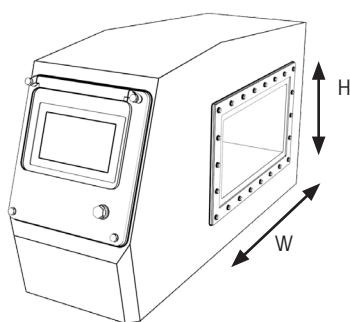


M34R PlusLine

Enhanced Performance in Challenging Applications

	Technical Details	M34R PlusLine
Sensitivity Features	Operating frequency	Dual-Simultaneous Frequency (DSF) with 7 modes available
	Product Suppression technology	'3S' algorithm significantly reduces product effect
	Standard aperture widths (W)	100 mm - 1900 mm*
	Standard aperture heights (H)	75 mm - 1000 mm*
	Mounting methods	Base, oversquare
Productivity Features	Human-machine interface (HMI)	7" WVGA touchscreen
	Languages (menus, prompts)	33; metric and imperial units
	No. of user accounts	50
	Product memories	200
	Setup	Auto-setup with intuitive clustering
	Condition Monitoring	Reduces unplanned downtime risk
Productivity Features	Performance Monitoring Routine (PMR)	PMR Wizard with guided routine, PMR scheduling PMR Alarm with 'due test' notification, PMR Pass/Fail
	Ingress protection rating	Light duty IP65; Medium duty IP66; Heavy duty IP69K
	Surface material and finish	Stainless steel SS304 bead-blast (as standard), SS316 brushed (optional)
	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	Logs	Access Log, Alarm Log, Detection Log and PMR Log
	Programmable inputs and outputs	Standard: 10 inputs and 6 outputs Upgrade: expandable to 16 inputs and 12 outputs
	Performance indicator	Color-coded bar graph and digital display; pack count; reject count
	USB Port	Yes – exports reports, facilitates system upgrades and software updates
	Due Diligence capability	Base Pack: in-feed pack sensor, air failure warning, bin-full warning rejected product confirmation / reject operation failure, head fault warning Plus Pack: Additional to Base Pack features - reject check warning and bin open warning
	ProdX integration	Enabled
	Performance Verification	Option – Annual Performance Verification Service

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



M34R metal detector head

The M34R is compatible with an extensive range of conveyor systems to create a fully-integrated, fit-for-purpose metal detection solution.

- Basic stop alarm systems
- Fully-automated reject devices
- Suite of failsafe devices, warnings and alarms

For information about conveyor system compatibility, system-specific technical specifications and due diligence features, please refer to the applicable **conveyor systems brochures** on our website.