

Large Aperture Metal Detector



M6h

Anritsu's innovative M6 metal detector is now available in large format.

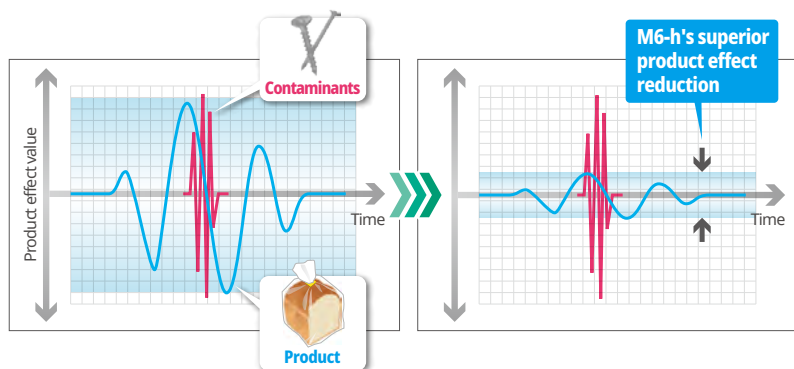


M6

Anritsu's new large metal detector brings the unrivaled performance of M6-h dual-frequency technology to larger bulk and packaged products. As quality standards get tougher, the M6-h can help you comply with regulations and avoid costly complaints.

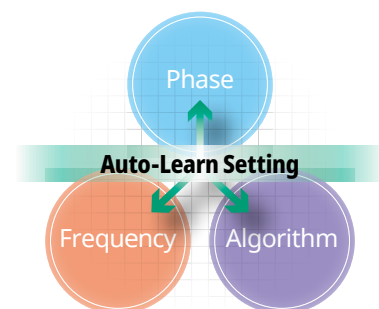
High detection sensitivity and stability

Built-in digital signal processing (patent pending) better isolates product effect and minimizes its impact on detection, resulting in outstanding performance.



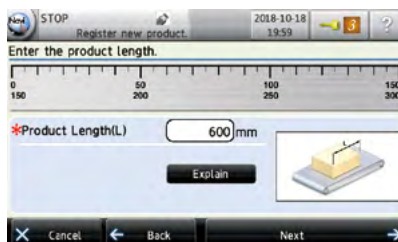
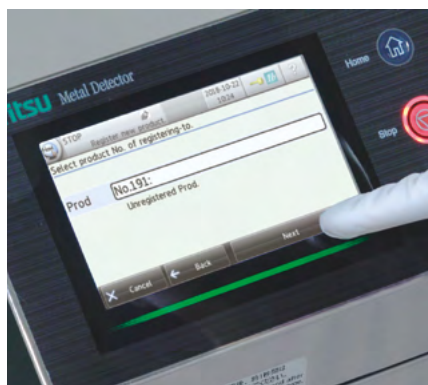
Repeatable, reliable performance

The auto-learn process optimizes the best phase, frequency and detection algorithm for the dual simultaneous frequencies.



Intuitive operation

The 7-inch wide color touchscreen provides easy operation. Clear graphical guidance enables users to work efficiently.



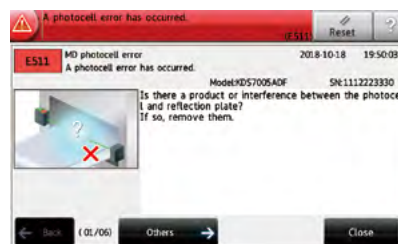
New Product Wizard simplifies setup with step-by-step illustrated instructions.



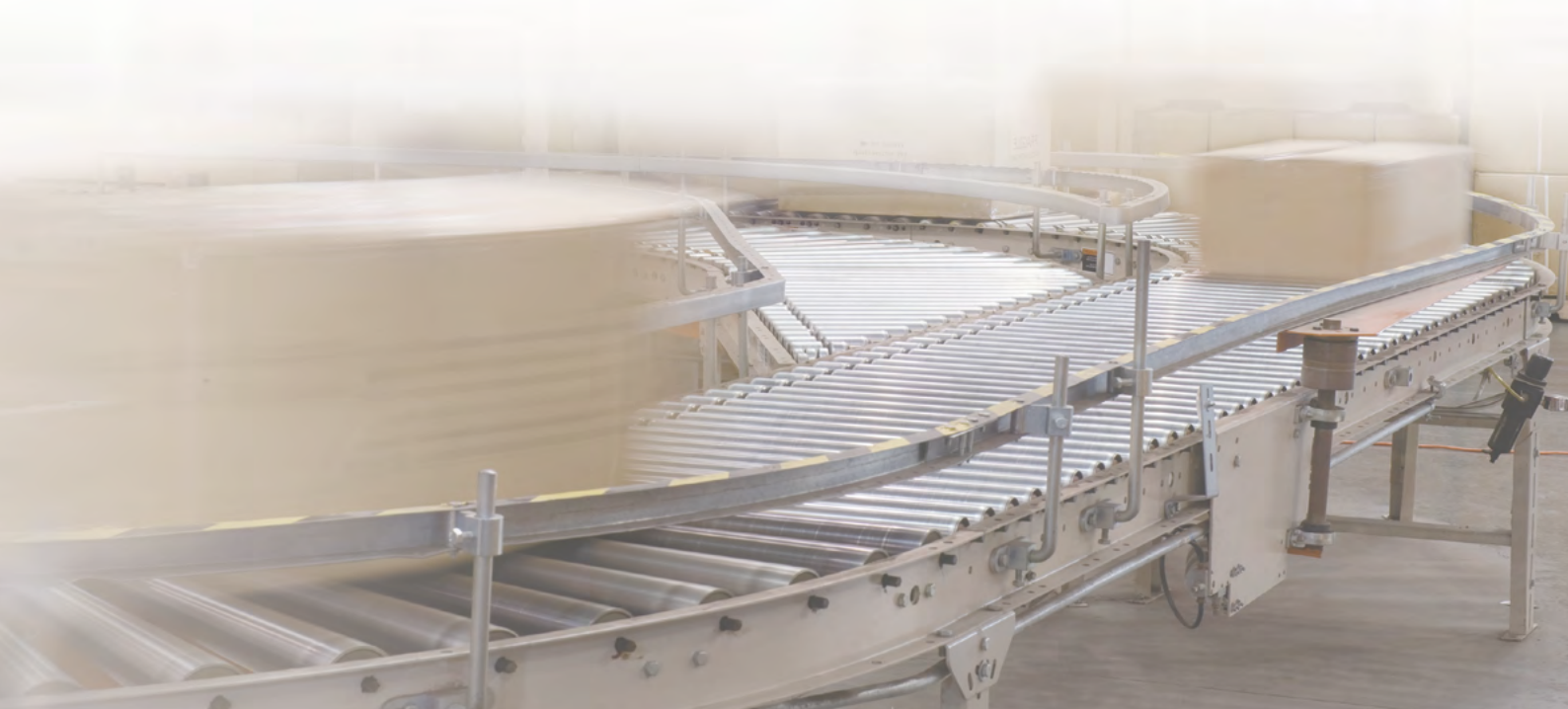
Built-in troubleshooting screens help to reduce false rejects and improve performance.



Smart Guide supports daily operations and maintenance procedures through clear, concise messaging.

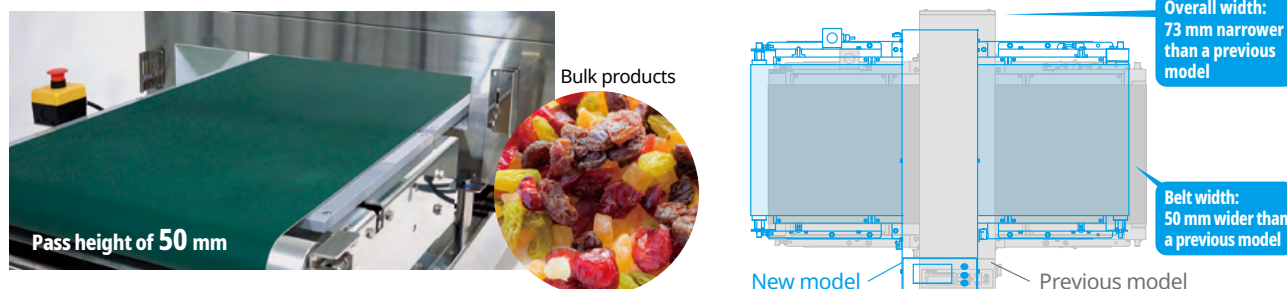


Unique error and alarm codes minimize downtime by offering guidance and reducing the need for service support.



Compact design with inspection flexibility for a wide range of products

With a conveyor width of just 700 mm, the M6-h gives you more usable inspection area than the previous model. Aperture heights range between 50 mm and 400 mm, and conveyors are available in lengths of 1200 mm, 1500 mm, and 1800 mm.



Designed with safety and hygiene in mind



Pinch point prevention

The roller's outer element is safely fixed, preventing objects, clothing or fingers from getting caught in the inner rotating element.

Superior hygiene

Sloped surfaces on the top of a detector head to allow water to run off easily.

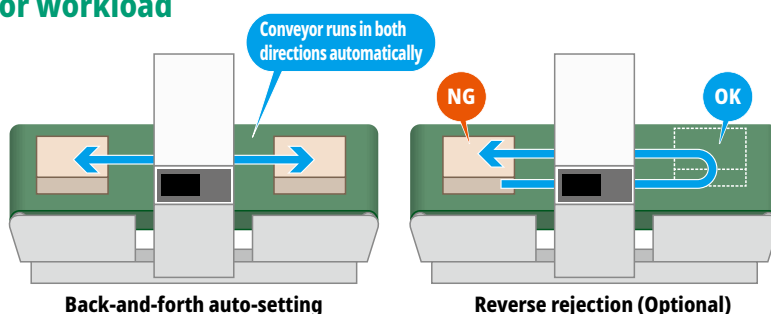
Tool free belt removal

The conveyor belt is easily removed for quick maintenance and cleaning (washdown models only).

Reverse operation to reduce operator workload

Back & Forth feature makes new product setup easier by repeatedly feeding during auto-learn.

The optional reverse rejection feature allows no-good product handling without a dedicated rejection unit.

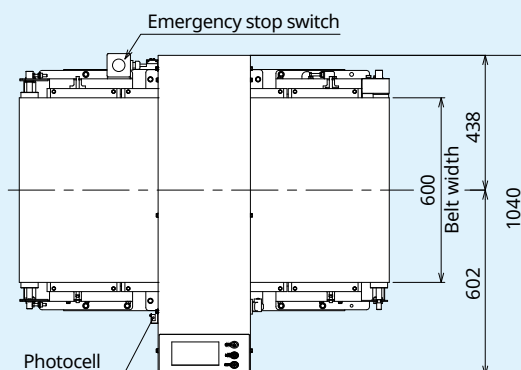


Large Aperture Metal Detector



Overall machine length: 1200 mm

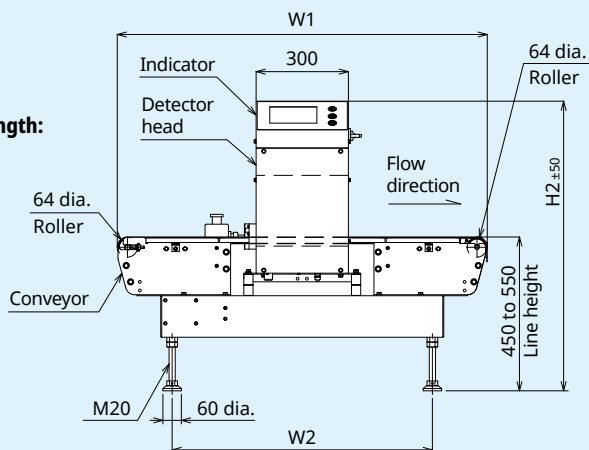
KDS7005ACF/ACW
KDS7010ACF/ACW
KDS7015ACF/ACW
KDS7020ACF/ACW
KDS7025ACF/ACW
KDS7030ACF/ACW
KDS7035ACF/ACW
KDS7040ACF/ACW



Model	H1	H2
KDS7005	50	842
KDS7010	100	842
KDS7015	150	892
KDS7020	200	942
KDS7025	250	992
KDS7030	300	1042
KDS7035	350	1092
KDS7040	400	1142

Overall machine length: 1500 mm

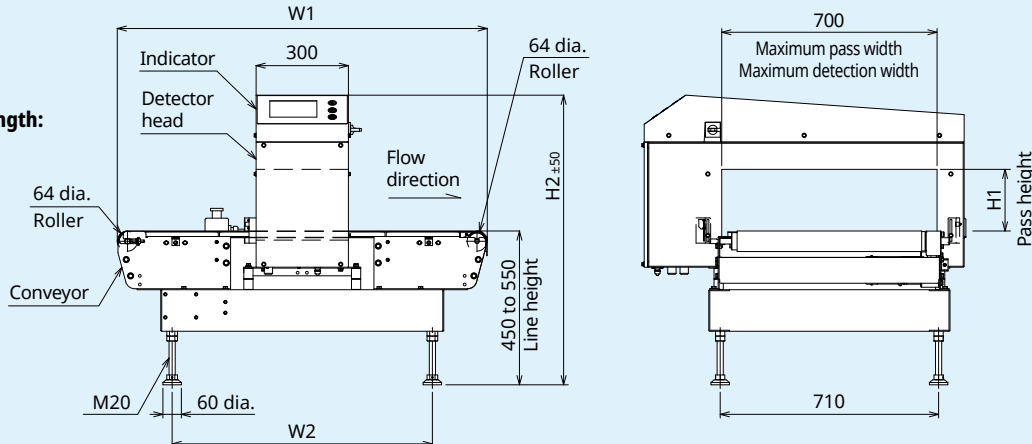
KDS7005ADF/ADW
KDS7010ADF/ADW
KDS7015ADF/ADW
KDS7020ADF/ADW
KDS7025ADF/ADW
KDS7030ADF/ADW
KDS7035ADF/ADW
KDS7040ADF/ADW



Model	W1	W2
ACF/ACW	1200	846
ADF/ADW	1500	1146
AEF/AEW	1800	1146

Overall machine length: 1800 mm

KDS7005AEF/AEW
KDS7010AEF/AEW
KDS7015AEF/AEW
KDS7020AEF/AEW
KDS7025AEF/AEW
KDS7030AEF/AEW
KDS7035AEF/AEW
KDS7040AEF/AEW



Units: mm



Model ¹	KDS7005A▼F	KDS7010A▼F	KDS7015A▼F	KDS7020A▼F	KDS7025A▼F	KDS7030A▼F	KDS7035A▼F	KDS7040A▼F
	KDS7005A▼W	KDS7010A▼W	KDS7015A▼W	KDS7020A▼W	KDS7025A▼W	KDS7030A▼W	KDS7035A▼W	KDS7040A▼W
Pass height	50 mm	100 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Maximum pass width	700 mm							
Belt width	600 mm							
Display	7-inch color TFT LCD							
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)							
Preset memory	Maximum 200							
Product packaging	Both general and aluminum-evaporated-packaging products							
Detection method	Simultaneous 2-frequency magnetization detection method							
Belt speed ²	26 m/min (50 Hz), 31 m/min (60 Hz)							
Maximum product weight ³	Maximum 50 kg							
Metal detection	Rejection signal output and beep, or belt stop and beep							
Power supply ⁴	100 Vac ± 10%, Single phase, 50/60 Hz; 110 Vac ± 10%, 115 Vac ± 10%, 120 Vac ± 10%, Single phase, 60 Hz; 200 Vac ± 10%, 220 Vac ± 10%, 230 Vac ± 10%, Single phase, 50/60 Hz; or 240 Vac ± 10%, Single phase, 50 Hz							
Power consumption	400 VA, Rush current 50 A (typ.) (20 ms or less)							
Maximum mass	199 kg	196 kg	199 kg	202 kg	205 kg	208 kg	211 kg	214 kg
Environmental conditions	0°C to 40°C, Relative humidity 30% to 85%, non-condensing							
Protection class	F (Non-waterproof) type: IP30 ⁵ , W (Waterproof) type: IP66 ⁶							
Exterior	F (Non-waterproof) type: painted (indicator and detector head: stainless steel (SUS304)), W (Waterproof) type: stainless steel (SUS304)							
Data output	USB port as an option (USB2.0), Ethernet interface as an option (10BASE-T, 100BASE-TX)							

1: The symbol "▼" in the model name represents a letter indicating the overall machine length: C = 1200 mm, D = 1500 mm, E = 1800 mm. 2: Belt speeds other than those listed above are available as options. Contact our sales representatives for details. 3: Sum total of product weight on the conveyor. 4: Specify one of these power requirements for use when ordering. 5: Waterproof and dustproof protection class is designed in accordance with IEC60529. 6: Waterproof protection class is equivalent to IPX6. Dustproof protection class is equivalent to IP6X excluding negative pressure condition.

Note: The shape (length, width and height) of products to be inspected varies with the rejector type.
Note: The noise level of the metal detectors does not exceed 70 dB (A).

Specifications MEI

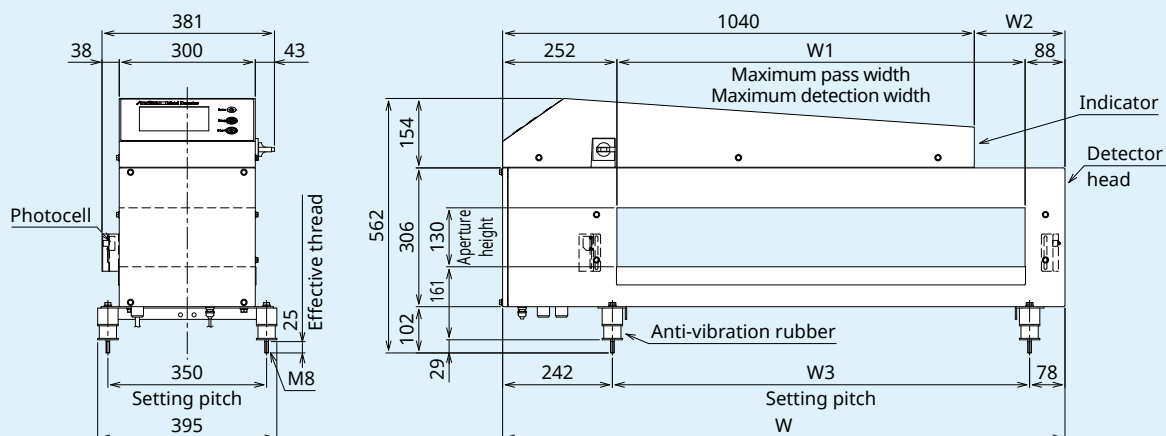
Extra-Large Aperture Metal Detector Head

Only the detection head will be provided.
The conveyor system is to be prepared by the customer.



KDS9010ANW
KDS9210ANW
KDS9310ANW

Model	W	W1	W2	W3
KDS9010ANW	1240	900	200	920
KDS9210ANW	1640	1300	600	1320
KDS9310ANW	1840	1500	800	1520



Units: mm

Model	KDS9010ANW	KDS9210ANW	KDS9310ANW
Maximum pass width	900 mm	1300 mm	1500 mm
Display	7-inch color TFT LCD		
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)		
Preset memory	Maximum 200		
Product packaging	Both general and aluminum-evaporated-packaging products		
Detection method	Simultaneous 2-frequency magnetization detection method		
Supported belt speed ¹	5 to 55 m/min		
Metal detection	Rejection signal output and beep, or belt stop and beep		
Power supply	AC100 V to 240 V +10% -15%, Single phase, 50/60 Hz		
Power consumption	120 VA, Rush current 15 A (typ.) (20 ms or less)		
Maximum mass	108 kg	135 kg	150 kg
Environmental conditions	0°C to 40°C, Relative humidity 30% to 85%, non-condensing		
Protection class	IP66 ²		
Exterior	Stainless steel (SUS304)		
Data output	USB port as an option (USB2.0), Ethernet interface as an option (10BASE-T, 100BASE-TX)		

1: It indicates the belt speed that can be set on the metal detector. Please configure your conveyor system to operate within the specified speed range.

2: Waterproof protection class is equivalent to IPX6. Dustproof protection class is equivalent to IP6X excluding negative pressure condition. requirements for use when ordering.

Note: The shape and size (length, width and height) of products to can be inspected depend on the rejector type.

Note: The noise level of the metal detectors does not exceed 70 dB (A).



ANRITSU CORPORATION

5-1-1 Onna, Atsugi-shi, Kanagawa, 243-8555, JAPAN
TEL: +81-46-296-6699 FAX: +81-46-296-6786
<https://www.anritsu.com/product-inspection>

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Anritsu Industrial Solutions (Shanghai) Co., Ltd.
Room 703-704, Sandhill Central, No.505 Zhangjiang Road, Pudong New Area, Shanghai 201210, P.R. China
TEL: +86-21-5046-3066

ANRITSU INFIVIS B.V.
Grubbenvorsterweg 10 5928NX, Venlo, the Netherlands
TEL: +31(0)20-2254220

ANRITSU INFIVIS INC.
701 Innovation Drive, Elk Grove Village, IL 60007, U.S.A.
TEL: +1-847-419-9729 FAX: +1-847-537-8266

- Some products shown in this catalog may not be available in your country or region. Contact our sales representatives for details.
- To ensure proper operation, read the Operation Manual before using the machine.
- In addition to daily inspection, a full maintenance inspection should be completed annually.

Specifications are subject to change without notice.
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