Anritsu

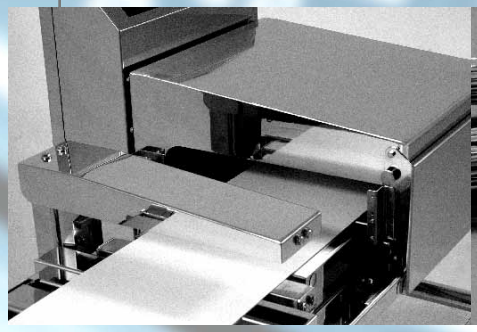
Metal Detector for Aluminum-wrapped Products

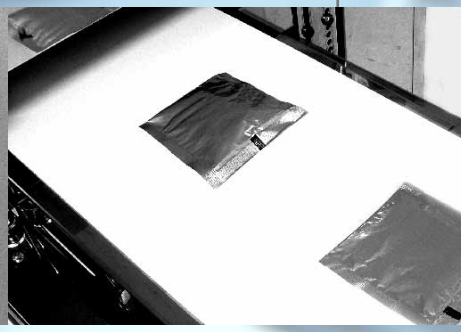
METAL DETECTOR

M Series

High-sensitivity detection not affected by the shape or the direction of metallic foreign substances

Detects metallic foreign substances within aluminum-wrapped products.





High-sensitivity detection of stainless steel

Market debut of a detector superior in aluminum-wrapped products

Features

•Detects metallic foreign substances in aluminum-wrapped products.

•High-sensitivity detection of metallic foreign substances such as iron and stainless steel chips[Note 1)] in aluminum-wrapped products achieved by magnetization technique.

•Insusceptibility to moisture or salt content allows stable metallic foreign substance detection not affected by the change of temperature or salinity of products.

•High-sensitivity detection not affected by the shape or the orientation of metallic foreign substances.

•Optimization of the detection head achieves high-sensitivity detection of foreign substances such as fine wires, which conventionally affect the sensitivity of the detector depending on the orientation.

•High-sensitivity detection of stainless steel

•Our unique magnetoreflection technology allows high-sensitivity detection of stainless steel, which has so far been considered difficult.

•Major target products

•Aluminum-wrapped products
Chocolate, gum, retort pouch products, sprinkle flakes, soup packed in bag, packed noodle,cake, pudding, yogurt, etc.

•High-salinity products
Bean paste, pickles, etc.

Note 1) Metals that exhibit magnetic properties such as iron and SUS430 and stainless steel processed by cutting and bending (placed under stress) such as SUS304 and SUS316 can be detected.

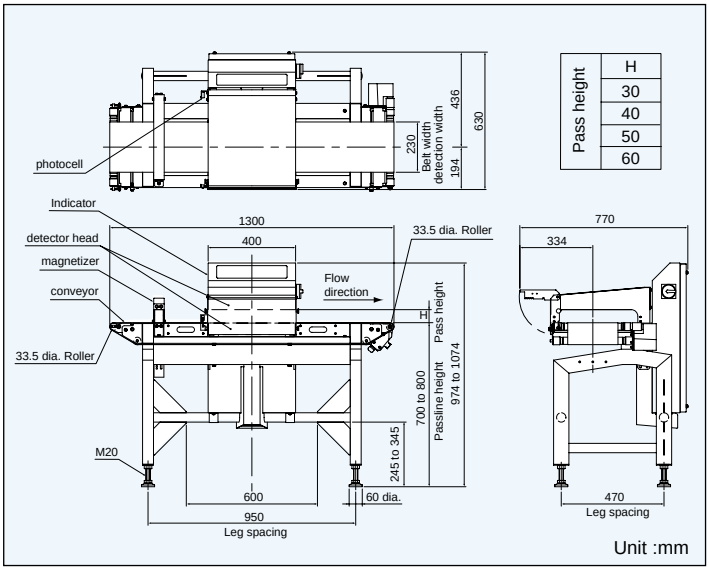
Principle of detection

The magnetization section magnetizes metallic foreign substances contained in products, and the detection head measures the amount of magnetization of those substances (magnetoreflection technology), judging whether metallic substances such as iron and stainless steel,[Note 1)] which can be magnetized easily, are contained.
Stable detection of metallic foreign substances is allowed because the performance is not affected by aluminum wrapper that cannot be magnetized easily or by the state of the product itself.

Specifications

Model	KD8200AW
Pass height	30 mm, 40 mm, 50 mm, 60 mm
Pass width	230 mm
Belt width	230 mm
Display	STN Liquid crystal
Operation method	Flat panel key
Preset memory	Max. 100
Product packaging	aluminum foil packaged products aluminum-evaporated film packaged products non-metallized packaged products
Belt speed	10 to 90 m/min (changeable)
Conveyance capability	less than 70 m/min : 4 kg, Over 70 m/min : 3 kg
Matal detection	Rejection signal output and beep, or belt stop and beep.
Power requirements	100 to 120 Vac +10% –15% or 200 to 240 Vac +10% –15%, single phase, 50/60 Hz, 200 VA, rush current 70 A (typ.) (20 ms or less)
Mass	130 kg
Environmental conditions	0˚ to 40℃, relative humidity 30% to 85%, no condensation
Protection class	IP66 compliance
Casing Material	Stainless steel (SUS304)

External Dimensions



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ISO 9001 CERTIFICATE No.JQA-0566

• In addition to daily inspection, an annual maintenance check should be carried out.

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