

Anritsu

For Detection of Contaminants in Pumpable Products

Pipe-type

X-ray Inspection System

KD74 Series

New!



Highlights

- Fat/Lean Analysis
- Detection of 0.5 mm Stainless Steel
- 1-2 mm Pork/Beef Bone Detection
- 2-4 mm Poultry Bone Detection

Designed to optimize detection of metal, glass, stone and bone in pumpable products.

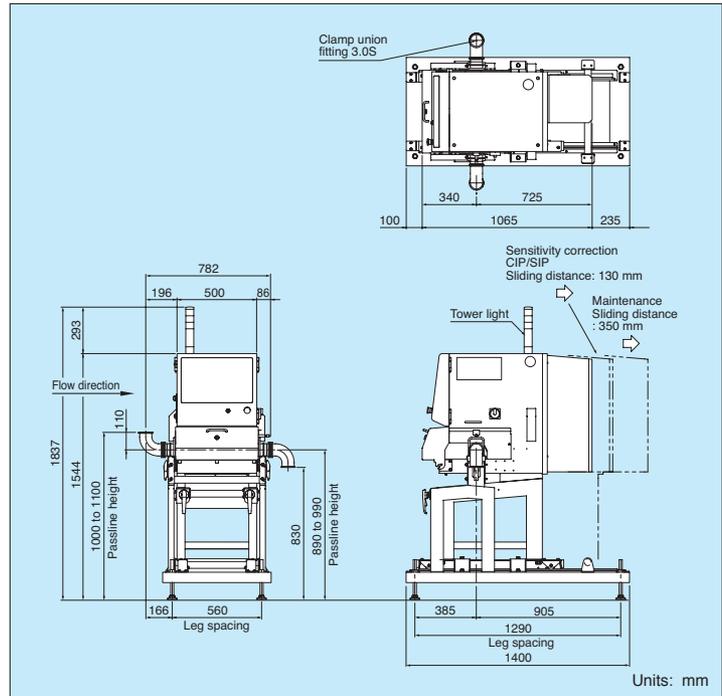
Features

- Continuous inspection of fluid, semi-solid products flowing in the pipe
Poultry trim, 1st grind pork, soups, jams, jellies, pet food, etc.
- Detection of bone, metal, stone, glass, plastic and rubber
- Analyze fat / lean ratio in real time
- Simple operation and product set up
- Compliance with CIP, SIP cleaning
CIP with caustic 5% for 15 minutes at 80°C, SIP with 150°C steam for 15 minutes
- Polished stainless steel
- IP66 rated (option)
- Easy system slide mechanism for detection calibration standard
- Simple contaminant test feature (Patent pending)
- Variable X-ray power by recipe



Ball Valve
(Option)

External Dimensions



Specifications

Model	KD7483AW
Detection sensitivity ^{Note 1}	Fe, Non Fe and SUS sphere 0.5 to 0.6 mm dia.
X-ray output	Maximum 60 kV, 210 W (variable voltage and current)
Safety	X-ray leakage dose: Maximum 1 μ Sv/h or less, Prevention of X-ray leakage by safety device
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)
Operation method	Touch panel
Product size (solids in fluid)	12 mm or smaller (Less than 1/3 of the minimum height of the inspection system)
Transfer pipe dimension	3-inch (76.2 mm) in diameter
Pipe pressure limitation	0.7MPa
Pipe connection	IDF-Clamp (3 inch)
Preset memory	Maximum 100 products
Flow rate	8 tons/hour (with relative density 1g/cm ³)
Power requirements	110 or 240 Vac \pm 10%, single phase, 50/60 Hz, 1.6 kVA, rush current 80 A (typ.) (5 ms or less)
Mass	300 kg
Environmental conditions	Temperature 0° to 40°C, relative humidity 30% to 85%, no condensation
Protection class	IP66 for product transfer section, IP42 for other sections
Casing material	Stainless steel (SUS316 for pipe, SUS304 for others)

Note 1: The actual detection sensitivity and accuracy vary depending on the type of foreign objects, properties of products to be inspected (such as contents and/or shape), and the environment under use.

Anritsu

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ISO 9001 CERTIFICATE No.JQA-0566
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• In addition to daily inspection, an annual maintenance check should be carried out.

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