Anritsu

KD74XX Series

X-ray Inspection System

Evolving from "Contaminant Detection" to "Assuring Overall Product Quality, Customer Safety and Brand Loyalty"

X-ray Inspection System

The KD74XX series provides Product Safety and Assured Quality for customers

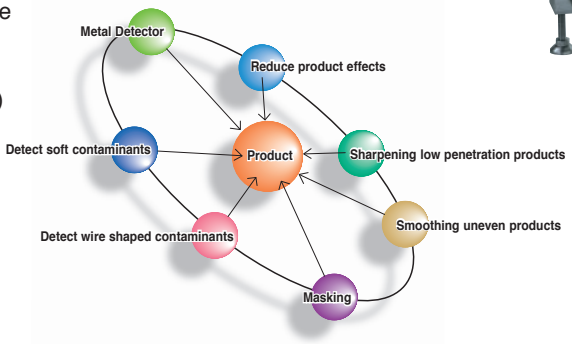
1. Simultaneous Product Checks to Ensure Safety

The KD74XX X-ray Inspection System inspects correct product weight, quantity, placement and shape while constantly monitoring for the presence of contaminants.

● Pursuing High-sensitivity, High-stability Contaminant Detection

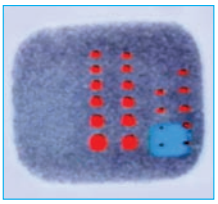
Anritsu's long track record in contaminant detection forms the basis of a unique image processing algorithm to detect both soft contaminants (bones, plastics, etc.) and wire-shaped contaminants (fine wires, etc.) at high sensitivity and high stability.

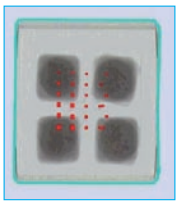
Concept of combination algorithm

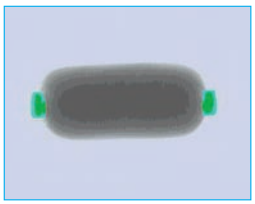


● Masking Technology

This function eliminates the dense area from the inspected image, such as packaging, clips or deoxidizer sachets, consequently improving the detection sensitivity in the remaining area of a product.

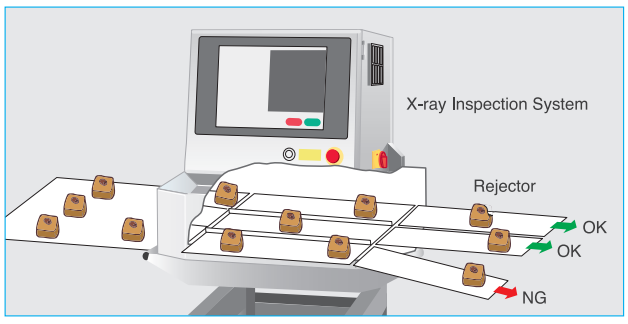






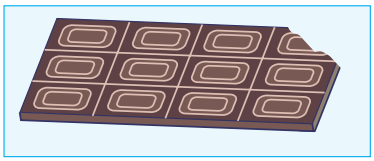
● Multi-line Inspection Technology

Individual products produced on multiple lane conveyors can be inspected simultaneously. When a non-conforming product is identified in one line, only product from that line is rejected, ensuring line efficiency is maximised.

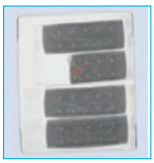


● Shape Detection Technology

X-ray images of products into various physical indices, such as perimeter, area, and weight, using the image processing technique.



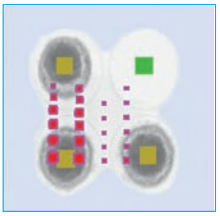
Chocolate bar with missing corner

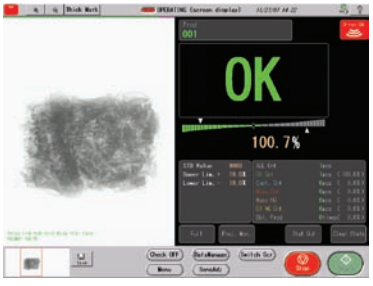


Biscuits, including one with a missing part

● Missing Product Detecting Technology

"Relative Mass" function has been employed to inspect missing product.



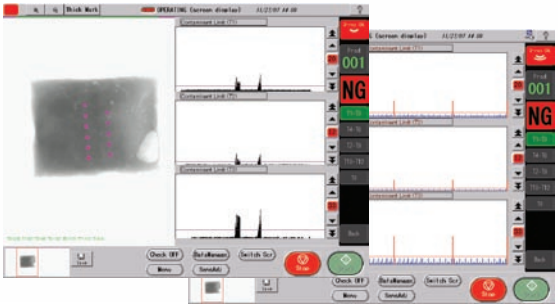


The complete product presence can be inspected by checking the density of product in specific area within a pack. Contaminant detection and missing product detection can be performed simultaneously, increasing efficiency of quality control.

2. Easy Control and Maintenance

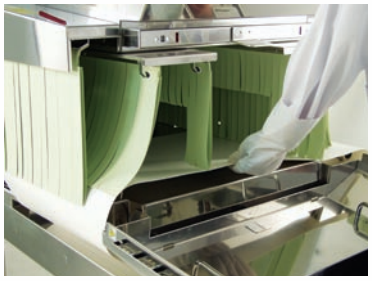
● Projection Monitor

Simultaneous On-Screen imaging and operating adjustment providing convenient control and adjustment.



● Quick release conveyor belt

The conveyor belt can be safely removed/attached, allowing easy cleaning.

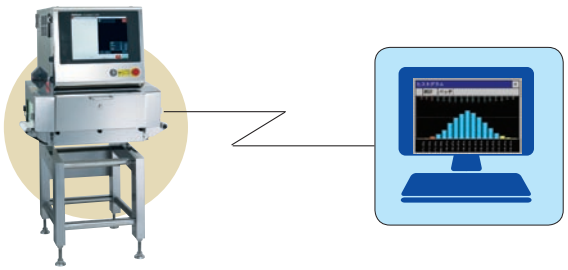


- No Tools
- 1 minute
- Safe
- Simple

3. Seamless Information Transfer and Data Recording

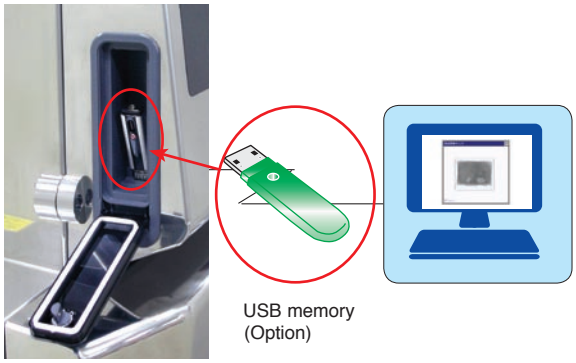
● Ethernet Note1

Industry standard Ethernet communication is employed to produce live production data and reports, as well as uploading and refreshing product data.



● USB compliant Note1

USB port provides the capture of data on memory sticks, without the need for networking.



USB memory
(Option)

Note 1: This is only for the KD74 series.

4. A Variety of Models for Individual Applications

Product Size: Large ↑ Small

Form	Product to be inspected	Recommended model
Packaged	Large powder sack /Meat block	KD7337AW
	Retail Pack / Foil-top Tray	KD7405AWH KD7405BWH KD7416AWH KD7416BWH KD7417BWH
Unpackaged	Fresh chicken fillet or Burger patty	KD7405ACWH KD7416ACWH
Bulk	Grain and Seafood	KD7405ABWH KD7416ABWH
Liquid	Soup / Sauce without container	KD7481AWH KD7483AWH KD7483AFWH

Applicable System

X-ray Inspection System

Safety in design

Priority is given to prevention of X-ray leakage.
Operator safety is of utmost importance.

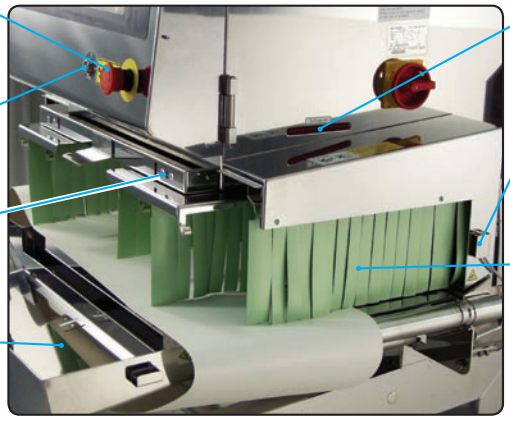
ANRITSU safety mechanism

Emergency stop switch
The power supply is cut off by pressing a switch, then the rotating part is stopped and the X-ray irradiation completely stops.

X-ray irradiation ON/OFF key
Turning the key to OFF stops X-ray irradiation completely.

X-ray shield cover open/close sensor
X-ray radiation completely stops when the cover opens.

X-ray shield cover
The cover opens by the ON/OFF key of the X-ray irradiation. The X-ray irradiation completely stops due to the action of the cover open/close sensor when the cover opens.



X-ray irradiation display
The lamp is lit during X-ray irradiation.

Monitoring sensor for hand
When the sensor is interrupted for a certain period of time, X-ray irradiation is stopped.

Leakage prevention curtain
Prevent X-ray leakage. When inspecting unpacked products, additional covers made of SUS are furnished instead, to avoid possible contact of product with lead.

Safety management

X-ray Inspection System has been designed to fully satisfy the safe operation. However, to ensure even higher safety, use the safety procedures outlined below.

1. Periodic measurement and storage of X-ray leakage dose data

2. Management of the working hours of operators

3. Additional Safety Measures

Depending on the product shape, weight and packaging, it may be necessary to furnish X-ray leakage prevention covers to the upstream and downstream conveyors, instead of using X-ray leak prevention curtains.

4. No disassembly or modification

NEVER modify or disassemble the main unit, covers, X-ray leak prevention curtains, safety covers, safety interlocks, etc., otherwise the X-ray leak-proof design may no longer be functional.

Safety of X-rays and regulatory constraints

(1) Safety of checked products

- WHO concluded in 1980 that "food products irradiated with 10 kGy or lower level of X-rays present no problem in terms of toxic level, nutritional value, and microbiological aspects".
- The maximum X-ray irradiation level by our X-ray inspection system to the inspected product is 0.002 Gy or less, which is much lower than the value designated by WHO.
- If the product being inspected stops inside the system during X-ray irradiation, X-ray irradiation is stopped to keep the irradiation level to 0.1 Gy or below.

(2) Safety for humans

- We are always exposed to radiation; In the natural world, we receive irradiation of 1100 μSv a year on average, and 300 μsV from a chest X-ray. (The unit μSv [micro Sievert] indicates the radiation level of X-rays.)
- The X-ray leakage from our X-ray inspection system is 1 μSv/h or lower (1.3 mSv/3 months or lower)

Note: 3 months = 13 weeks (52 weeks is one year)
1 μSv/h x 10 hours x 5 days x 13 weeks = 0.65 mSv/3 months

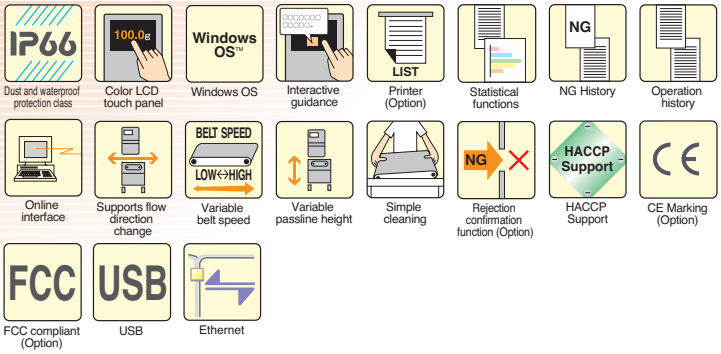
Note: Follow the local laws and regulations regarding the installation and use of X-ray Inspection Systems.

X-ray Inspection System

KD7405AWH/KD7405ADWH/KD7405BWH/KD7405BDWH

A stainless steel wire of 0.2 mm dia. and 2 mm long can be detected. High-sensitivity detection of individually packaged products is also supported.

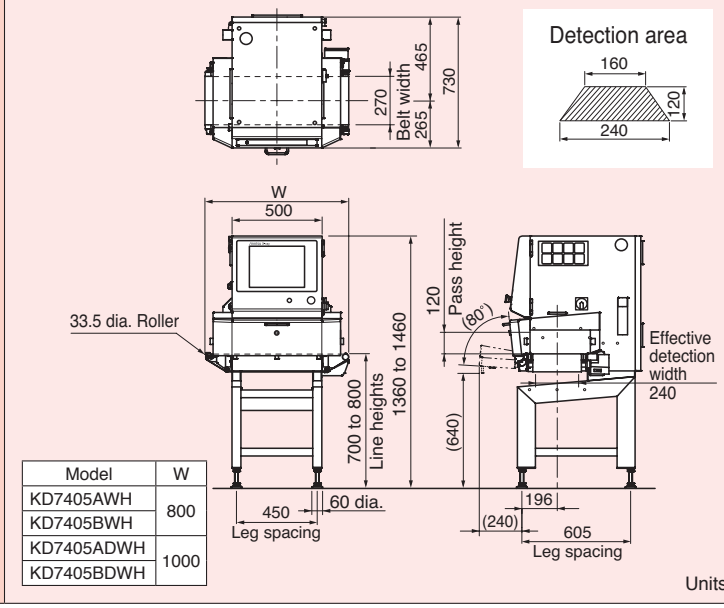
See page 4 for safer operation.



KD7405AWH

External Dimensions

KD7405AWH
KD7405BWH
KD7405ADWH
KD7405BDWH



Model	W
KD7405AWH	800
KD7405BWH	
KD7405ADWH	1000
KD7405BDWH	

Units: mm

Specifications

Model	KD7405AWH	KD7405ADWH	KD7405BWH	KD7405BDWH
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.3 mm dia., SUS wire 0.2 mm dia. x 2 mm long			
X-ray output	Tube voltage 25 to 60 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W		Tube voltage 25 to 80 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W	
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices			
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)			
Operation method	Touch panel			
Product size Note 2	Maximum width: 240 mm, Maximum height: 120 mm (Detection area is shown above.)			
Belt width	270 mm			
Masking function	Equipped as standard			
Missing product detection function	Equipped as standard			
Clip check function	Equipped as standard			
Preset memory	Maximum 100			
Belt speed Note 3 Maximum product weight Note 4	5 to 60 m/min, Maximum 5 kg			
	5 to 90 m/min, Maximum 2 kg			
	5 to 40 m/min, Maximum 10 kg (Option)			
Power requirements Note 5, Note 6	100 to 120 Vac ±10%, or 200 to 240 Vac ±10%, single phase, 50/60 Hz, 1 kVA, rush current 80 A (typ.) (5 ms or less)			
Mass	210 kg	215 kg	220 kg	225 kg
Environmental conditions Note 7	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing			
Protection class	IP66 Compliance (for conveyor), IP40 Compliance (for other parts), Tool free belt removal			
Exterior	Stainless steel (SUS304)			

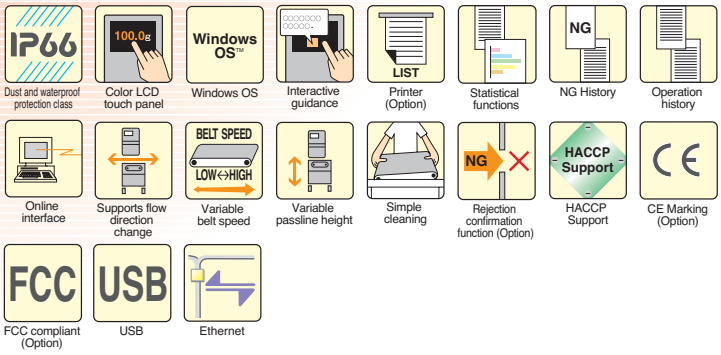
Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.
Note 2 : The entrance and exit may require covers depending on the length of a product.
Note 3 : Variable depending on Product No.
Note 4 : Sum total of product weight on the conveyor.
Note 5 : Selectable by switching terminals. Note that the rush current shown above is at an AC voltage of 200 V. It varies according to voltage.
Note 6 : Installing the air-conditioner option changes the displayed power consumption.
Note 7 : The air-conditioner option may be required depending on the operating environment.

X-ray Inspection System

KD7416AWH/KD7416ADWH/KD7416BWH/KD7416BDWH

Contaminants in large and wide products can be detected with high sensitivity.
Contaminants in bulk products can also be detected.

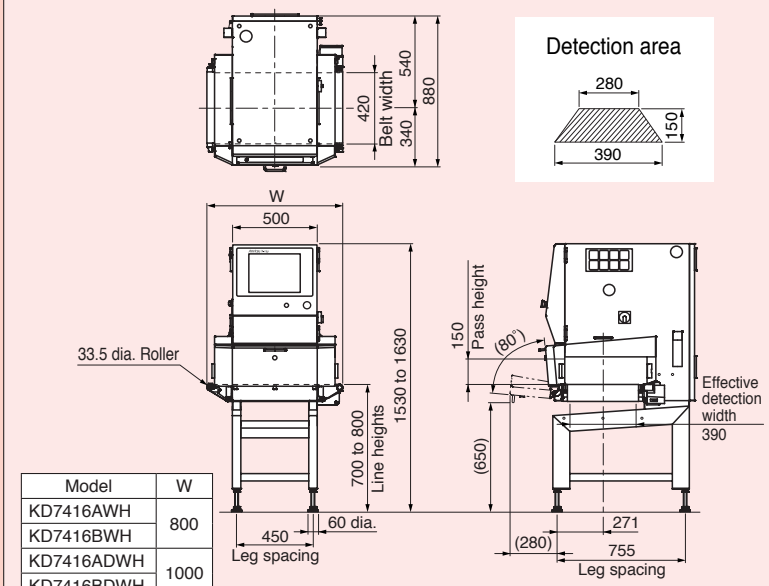
See page 4 for safer operation.



KD7416AWH

External Dimensions

KD7416AWH
KD7416BWH
KD7416ADWH
KD7416BDWH



Model	W
KD7416AWH	800
KD7416BWH	
KD7416ADWH	1000
KD7416BDWH	

Units: mm

Specifications

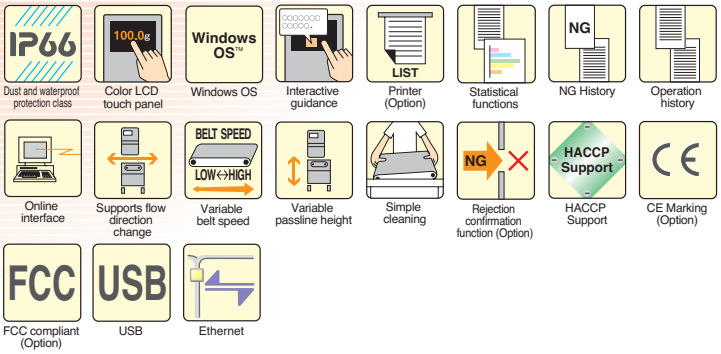
Model	KD7416AWH	KD7416ADWH	KD7416BWH	KD7416BDWH
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.3 mm dia., SUS wire 0.2 mm dia. x 2 mm long			
X-ray output	Tube voltage 25 to 60 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W		Tube voltage 25 to 80 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W	
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices			
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)			
Operation method	Touch panel			
Product size Note 2	Maximum width: 390 mm, Maximum height: 150 mm (Detection area is shown above.)			
Belt width	420 mm			
Masking function	Equipped as standard			
Missing product detection function	Equipped as standard			
Clip check function	Equipped as standard			
Preset memory	Maximum 100			
Belt speed Note 3	5 to 60 m/min, Maximum 5 kg			
Maximum product weight Note 4	5 to 40 m/min, Maximum 10 kg (Option)			
Power requirements Note 5, Note 6	100 to 120 Vac ±10%, or 200 to 240 Vac ±10%, single phase, 50/60 Hz, 1 kVA, rush current 80 A (typ.) (5 ms or less)			
Mass	255 kg	260 kg	265 kg	270 kg
Environmental conditions Note 7	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing			
Protection class	IP66 Compliance (for conveyor), IP40 Compliance (for other parts), Tool free belt removal			
Exterior	Stainless steel (SUS304)			

Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.
Note 2 : The entrance and exit may require covers depending on the length of a product.
Note 3 : Variable depending on Product No.
Note 4 : Sum total of product weight on the conveyor.
Note 5 : Selectable by switching terminals. Note that the rush current shown above is at an AC voltage of 200 V. It varies according to voltage.
Note 6 : Installing the air-conditioner option changes the displayed power consumption.
Note 7 : The air-conditioner option may be required depending on the operating environment.

X-ray Inspection System
KD7417BWH

Contaminants in large and wide products can be detected with high sensitivity.
Suitable for tall products.

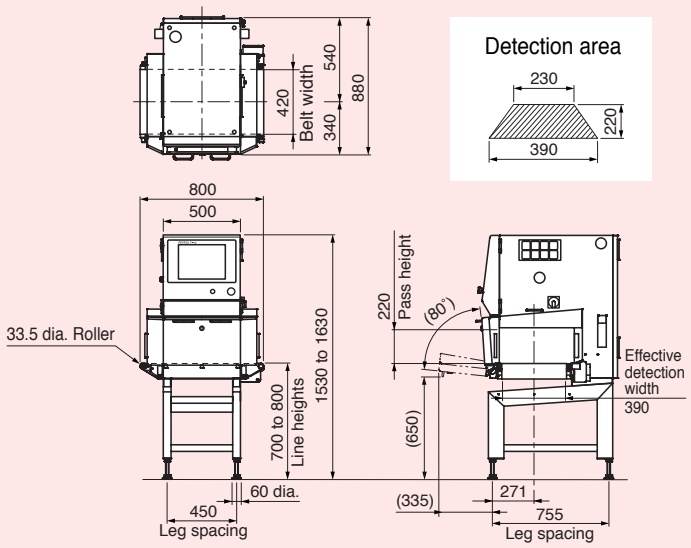
See page 4 for safer operation.



KD7417BWH

External Dimensions

KD7417BWH



Units: mm

Specifications

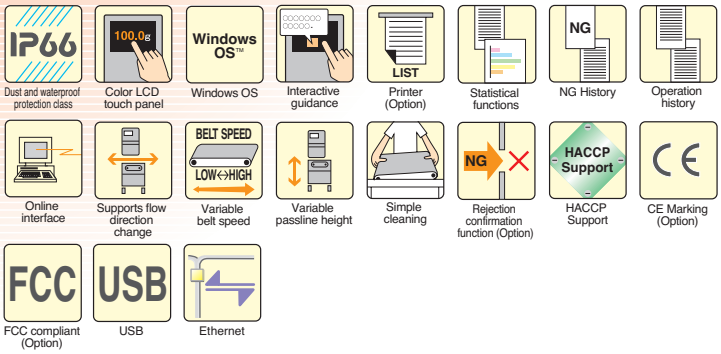
Model	KD7417BWH
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.3 mm dia., SUS wire 0.2 mm dia. x 2 mm long
X-ray output	Tube voltage 25 to 80 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)
Operation method	Touch panel
Product size Note 1	Maximum width: 390 mm, Maximum height: 220 mm (Detection area is shown above.)
Belt width	420 mm
Masking function	Equipped as standard
Missing product detection function	Equipped as standard
Clip check function	Equipped as standard
Preset memory	Maximum 100
Belt speed Note 3 Maximum product weight Note 4	5 to 40 m/min, Maximum 10 kg
Power requirements Note 5, Note 6	100 to 120 Vac ±10%, or 200 to 240 Vac ±10%, single phase, 50/60 Hz, 1 kVA, rush current 80 A (typ.) (5 ms or less)
Mass	265 kg
Environmental conditions Note 7	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing
Protection class	IP66 Compliance (for conveyor), IP40 Compliance (for other parts), Tool free belt removal
Exterior	Stainless steel (SUS304)

Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.
Note 2 : The entrance and exit may require covers depending on the length of a product.
Note 3 : Variable depending on Product No.
Note 4 : Sum total of product weight on the conveyor.
Note 5 : Selectable by switching terminals. Note that the rush current shown above is at an AC voltage of 200 V. It varies according to voltage.
Note 6 : Installing the air-conditioner option changes the displayed power consumption.
Note 7 : The air-conditioner option may be required depending on the operating environment.

X-ray Inspection System
KD7405ABWH/KD7416ABWH

Suited to unpackaged products, such as meat and fish, with which leakage prevention curtains cannot be used.

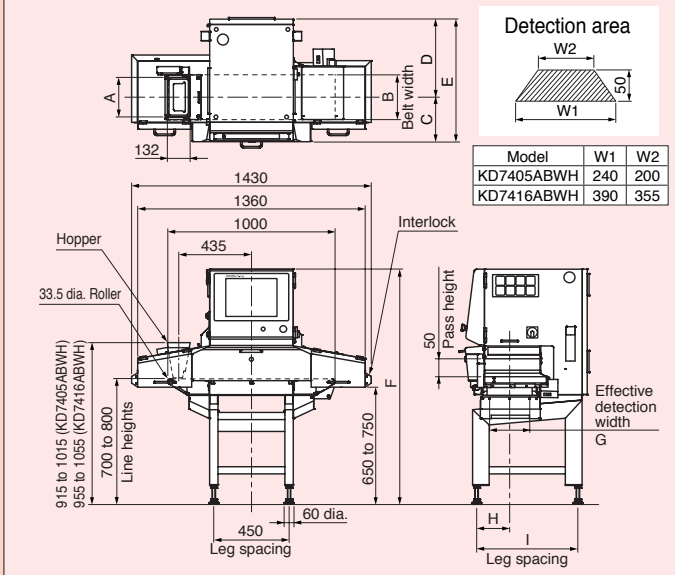
See page 4 for safer operation.



KD7405ABWH

External Dimensions

KD7405ABWH
KD7416ABWH



Model	W1	W2
KD7405ABWH	240	200
KD7416ABWH	390	355

Units: mm

The chute rejector is an option.

	KD7405ABWH	KD7416ABWH
A	232	382
B	270	420
C	265	340
D	465	540
E	730	880
F	1360 to 1460	1530 to 1630
G	240	390
H	196	271
I	605	755

Specifications

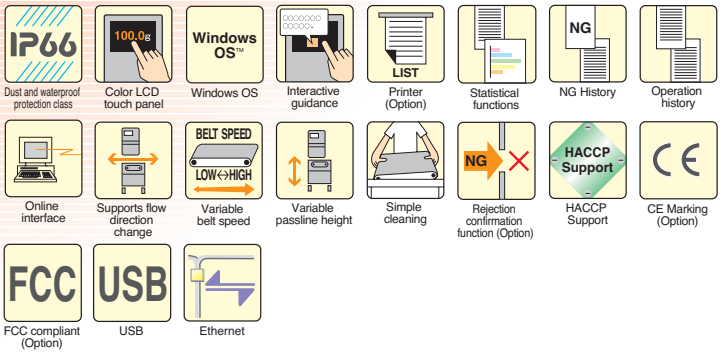
Model	KD7405ABWH	KD7416ABWH
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.3 mm dia., SUS wire 0.2 mm dia. x 2 mm long	
X-ray output	Tube voltage 25 to 60 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W	
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices	
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)	
Operation method	Touch panel	
Product size Note 2, Note 3	Maximum width: 240 mm, Maximum height: 50 mm	Maximum width: 390 mm, Maximum height: 50 mm
Belt width	270 mm	420 mm
Masking function	Equipped as standard	
Missing product detection function	Equipped as standard	
Clip check function	Equipped as standard	
Preset memory	Maximum 100	
Belt speed Note 4	5 to 50 m/min, Maximum 5 kg	
Maximum product weight Note 5	5 to 40 m/min, Maximum 10 kg (Option)	
Power requirements Note 6, Note 7	100 to 120 Vac ±10%, or 200 to 240 Vac ±10%, single phase, 50/60 Hz, 1 kVA, rush current 80 A (typ.) (5 ms or less)	
Mass	230 kg	280 kg
Environmental conditions Note 8	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing	
Protection class	IP66 Compliance (for conveyor), IP40 Compliance (for other parts), Tool free belt removal	
Exterior	Stainless steel (SUS304)	

Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.
Note 2 : The detection area is shown above.
Note 3 : The entrance and exit may require covers depending on the length of a product.
Note 4 : Variable depending on Product No.
Note 5 : Sum total of product weight on the conveyor.
Note 6 : Selectable by switching terminals. Note that the rush current shown above is at an AC voltage of 200 V. It varies according to voltage.
Note 7 : Installing the air-conditioner option changes the displayed power consumption.
Note 8 : The air-conditioner option may be required depending on the operating environment.

X-ray Inspection System
KD7405ACWH/KD7416ACWH

This system is ideal for detecting contaminants in lightweight products and those in small bags that tend to be caught by the x-ray leakage prevention curtains while being conveyed.

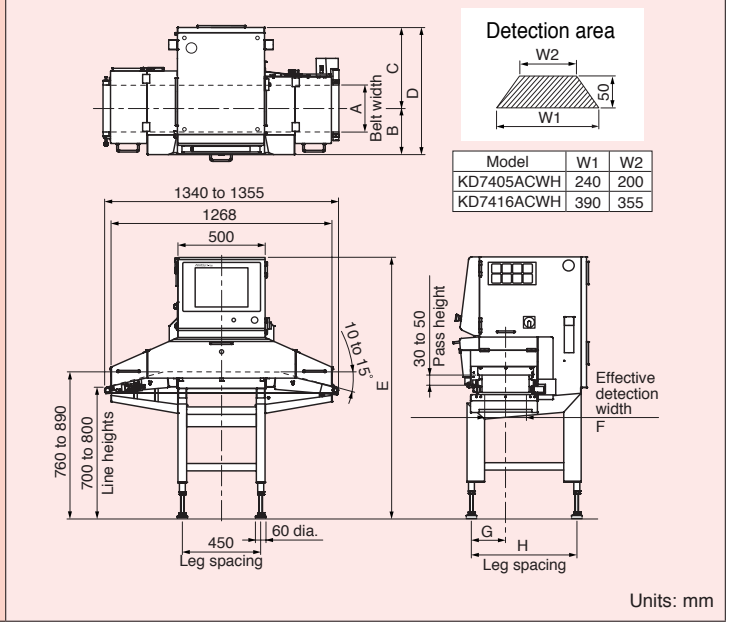
See page 4 for safer operation.



KD7405ACWH

External Dimensions

KD7405ACWH
KD7416ACWH



Model	W1	W2
KD7405ACWH	240	200
KD7416ACWH	390	355

Units: mm

The shuttle rejector is an option.

	KD7405ACWH	KD7416ACWH
A	270	420
B	265	340
C	465	540
D	730	880
E	1420 to 1550	1590 to 1720
F	240	390
G	196	271
H	605	755

Specifications

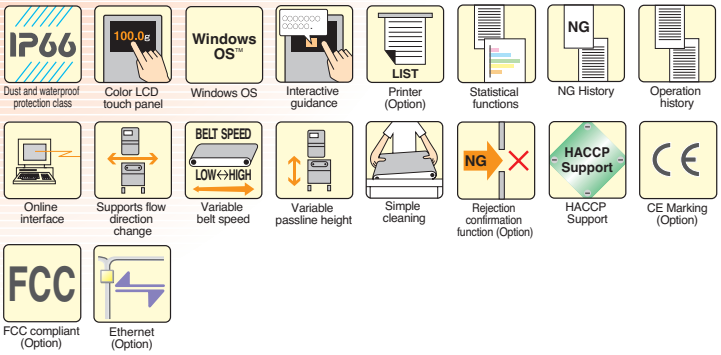
Model	KD7405ACWH	KD7416ACWH
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.3 mm dia., SUS wire 0.2 mm dia. x 2 mm long	
X-ray output	Tube voltage 25 to 60 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W	
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices	
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)	
Operation method	Touch panel	
Product size Note 2, Note 3	Maximum width: 240 mm, Maximum height: 50 mm	Maximum width: 390 mm, Maximum height: 50 mm
Belt width	270 mm	420 mm
Masking function	Equipped as standard	
Missing product detection function	Equipped as standard	
Clip check function	Equipped as standard	
Preset memory	Maximum 100	
Belt speed Note 4	5 to 50 m/min, Maximum 5 kg	
Maximum product weight Note 5	5 to 40 m/min, Maximum 10 kg (Option)	
Power requirements Note 6, Note 7	100 to 120 Vac ±10%, or 200 to 240 Vac ±10%, single phase, 50/60 Hz, 1 kVA, rush current 80 A (typ.) (5 ms or less)	
Mass	230 kg	285 kg
Environmental conditions Note 8	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing	
Protection class	IP66 Compliance (for conveyor), IP40 Compliance (for other parts), Tool free belt removal	
Exterior	Stainless steel (SUS304)	

Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.
Note 2 : The detection area is shown above.
Note 3 : The entrance and exit may require covers depending on the length of a product.
Note 4 : Variable depending on Product No.
Note 5 : Sum total of product weight on the conveyor.
Note 6 : Selectable by switching terminals. Note that the rush current shown above is at an AC voltage of 200 V. It varies according to voltage.
Note 7 : Installing the air-conditioner option changes the displayed power consumption.
Note 8 : The air-conditioner option may be required depending on the operating environment.

X-ray Inspection System
KD7337AW/KD7337AWH1/KD7337AWH2

This model with a 690-mm wide and 250-mm high aperture offers high-efficiency detection of contaminants in large bags and boxes.

See page 4 for safer operation.

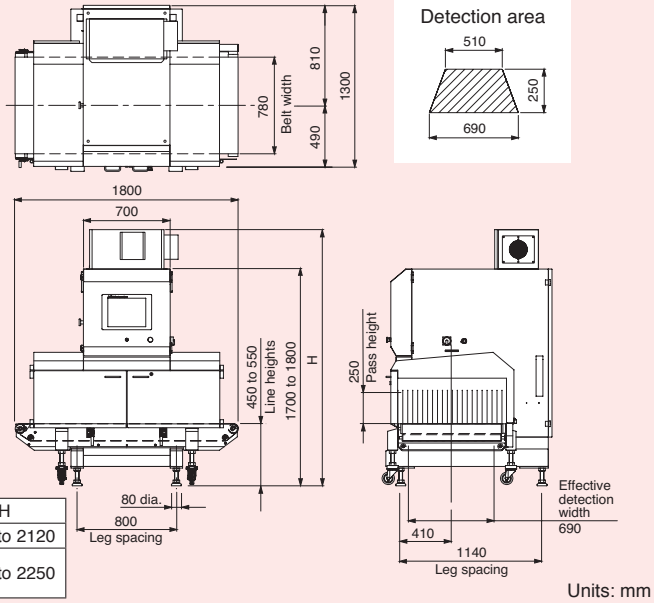


Air conditioner is equipped as standard.

KD7337AW

External Dimensions

KD7337AW
KD7337AWH1
KD7337AWH2



Model	H
KD7337AW	2020 to 2120
KD7337AWH1	2150 to 2250
KD7337AWH2	

Units: mm

Specifications

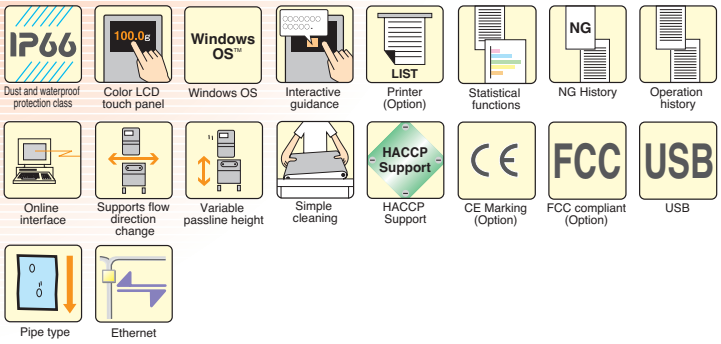
Model	KD7337AW	KD7337AWH1	KD7337AWH2
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.5 mm dia.		
X-ray output	Tube voltage 30 to 60 kV, Tube current 0.3 to 7.0 mA, Output 9 to 210 W	Tube voltage 30 to 80 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 350 W	
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices		
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)		
Operation method	Touch panel		
Product size	Maximum width: 690 mm, Maximum height: 250 mm (Detection area is shown above.) Note 2		
Belt width	780 mm		
Masking function	Equipped as standard		
Missing product detection function	Equipped as standard		
Clip check function	Equipped as standard		
Preset memory	Maximum 100		
Belt speed Note 3 Maximum product weight Note 4	10 to 30 m/min, Maximum 50 kg 10 to 35 m/min, Maximum 40 kg		
Power requirements	200 Vac ±10%, single phase, 50/60 Hz, 1.8 kVA, D class grounding		
Mass	700 kg	750 kg	
Environmental conditions	Temperature 0° to 40°C, relative humidity 30% to 85%, non-condensing	Temperature 0° to 35°C, relative humidity 30% to 85%, non-condensing	
Protection class	IP66 Compliance (for conveyor), IP52 Compliance (for other parts)		
Exterior	Stainless steel (SUS304)		
Cooling system	Air conditioner (Standard equipment)		

Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.
Note 2 : 350 mm pass height is also available. Contact our sales representatives for details.
Note 3 : Variable depending on Product No.
Note 4 : Sum total of product weight on the conveyor.

X-ray Inspection System
KD7481AWH/KD7483AWH/KD7483AFWH

Designed to inspect fluid flowing in pipes.

See page 4 for safer operation.

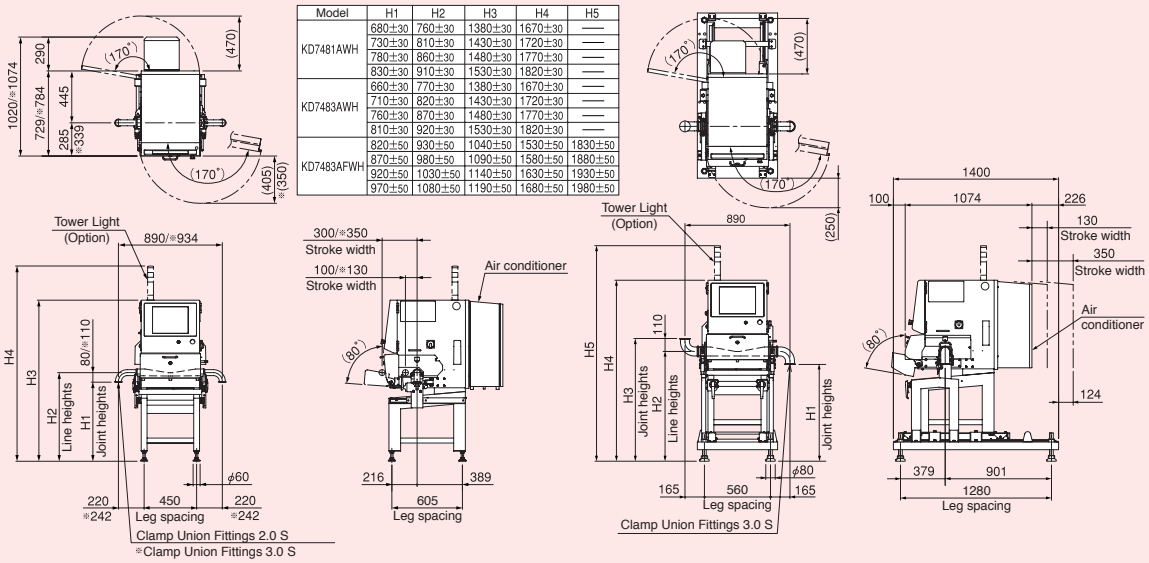


Air conditioner is equipped as standard.

KD7483AFWH

External Dimensions

KD7481AWH
KD7483AWH
KD7483AFWH



Model	H1	H2	H3	H4	H5
KD7481AWH	680±30	760±30	1380±30	1670±30	—
	730±30	810±30	1430±30	1720±30	—
	780±30	860±30	1480±30	1770±30	—
	830±30	910±30	1530±30	1820±30	—
KD7483AWH	660±30	770±30	1380±30	1670±30	—
	710±30	820±30	1430±30	1720±30	—
	760±30	870±30	1480±30	1770±30	—
	810±30	920±30	1530±30	1820±30	—
KD7483AFWH	820±50	930±50	1040±50	1530±50	1830±50
	870±50	980±50	1090±50	1580±50	1880±50
	920±50	1030±50	1140±50	1630±50	1930±50
	970±50	1080±50	1190±50	1680±50	1980±50

KD7481AWH
KD7483AWH (※)　※ indicates the dimensions of KD7483AWH.

KD7483AFWH

Units: mm

Specifications

Model	KD7481AWH	KD7483AWH	KD7483AFWH
Detection sensitivity Note 1	Fe sphere and SUS sphere 0.6 mm dia. (When only water is conveyed)		
X-ray output	Tube voltage 25 to 60 kV, Tube current 0.3 to 7.0 mA, Output 7.5 to 210 W		
Safety	X-ray leakage: Maximum 1 μSv/h or less, Prevention of X-ray leakage by safety devices		
Display	15-inch Color TFT LCD (unified image monitoring screen and operation screen)		
Operation method	Touch panel		
Product size Product: solids in fluid	7 mm or smaller (Less than 1/3 of the minimum height of the inspection section)	12 mm or smaller (Less than 1/3 of the minimum height of the inspection section)	
Transfer pipe dimension	2-inch (50.8 mm) dia.	3-inch (76.2 mm) dia.	
Inspection section pass height	20 to 30 mm (variable)	35 mm (fixed)	
Position change at sensitivity adjustment	Pipe position change to the front		Main unit position change (Pipe position fixed)
Preset memory	Maximum 100		
Processing capacity (flow)	5.4 kℓ/ h	11.0 kℓ/ h	
Power requirements	100 to 120 Vac ±10%, or 200 to 240 Vac ±10%, single phase, 50/60 Hz, 1.6 kVA		
Mass	230 kg	235 kg	340 kg
Environmental conditions	Temperature 0° to 40°C, relative humidity 30% to 85%, non-condensing		
Protection class	IP66 Compliance (product transfer pipe)		
Exterior	Stainless steel (SUS304)		
Cooling system	Air conditioner (Standard equipment)		

Note 1 : Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions.

Rejector

*The speed varies depending on a product to be rejected.

Flipper type

Model	KW4103AW	KW4104AW
Classification	3	
Maximum product size and weight	220 W × 300 L × 200 H mm, 2 kg [3 kg] Note 1	350 W × 600 L × 500 H mm, 10 kg [5 kg] Note 1
Maximum speed	150 products/min [120 products/min] Note 1	45 products/min [70 products/min] Note 1
Belt speed	10 to 102 m/min [10 to 77 m/min] Note 1	10 to 49 m/min [10 to 77 m/min] Note 1
Power requirements	100 to 120 Vac +10% –15% or 200 to 240 Vac +10% –15%, single phase, 50/60 Hz, 200 VA	
Air requirements	0.4 to 0.9 MPa, 4 ℓ/min [A.N.R.]	
Air supply inlet	Tube having outer diameter 6 mm	
Protection class	IP66 compliance	
Mass	45 kg	70 kg

Note 1 : Figures in [ ] are optional.

Dropout type

Model	KW4672DW	KW4676DW
Classification	2	
Maximum product size and weight	230 W × 300 L × 130 H mm, 3 kg	350 W × 450 L × 210 H mm, 3 kg
Maximum speed	70 products/min	30 products/min
Belt speed	7 to 36 m/min	10 to 26 m/min
Power requirements	100 to 120 Vac +10% –15% or 200 to 240 Vac +10% –15%, single phase, 50/60 Hz, 200 VA	
Air requirements	0.4 to 0.9 MPa, 30 ℓ/min [A.N.R.]	
Air supply inlet	Tube having outer diameter 6 mm	
Protection class	IP66 compliance	
Mass	29 kg	37 kg

Air jet type

Model	KW4866BW-205317
Classification	2 [3] Note 1
Maximum product size and weight	230W × 300L × 160H mm, 300 g Note 2
Maximum speed	220 products/min
Belt speed	9 to 91 m/min
Air requirements	0.5 to 0.9 MPa, 16 ℓ/min [A.N.R.]
Air supply inlet	Tube having outer diameter 10 mm
Power requirements	Supplied from X-ray Inspection System
Power consumption	200 VA
Protection class	IP66 compliance
Exterior	Stainless steel (SUS304)

Note 1 : Figures in [ ] are optional.
Note 2 : The maximum product weight at a belt speed of 75 to 120 m/min is 100 g.

CE

Anritsu

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ISO 9001 CERTIFICATE No.JQA-0566

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- Follow the local laws and regulations regarding the installation and use of X-ray Inspection Systems.
- In addition to daily inspection, an annual maintenance check should be carried out.
- To ensure proper operation, read the Operation Manual before using the machine.

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