

Anritsu

For Dry Product Lines

X-ray Inspection System

KD74-f Series

New!



High-Performance X-ray for Dry Products Debut !

● Suitable and High Performance

Suitable design as well as high performance are realized for production lines of dry products such as confectionery and seasoning.

High-sensitivity detection of 0.3 mm dia. SUS sphere is possible.

● Shape Detection Function Equipped

Simultaneous detection of contaminants and shape such as missing parts, broken and missing products.

● Easy Automatic Wizard for Excellent Detection Performance

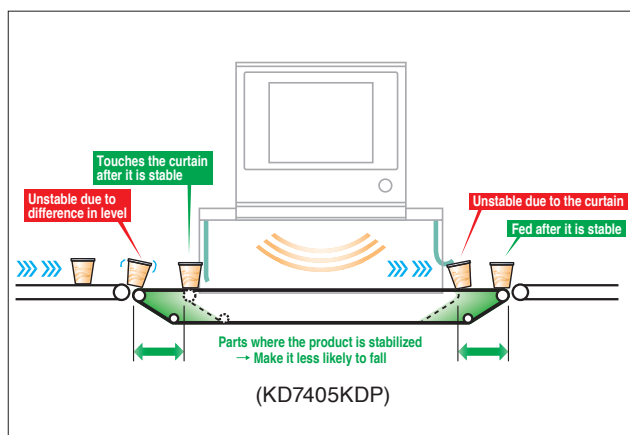
Any operator can easily obtain optimum settings just by following the graphical wizard.

● Conveyor Ends Extended for 100 mm

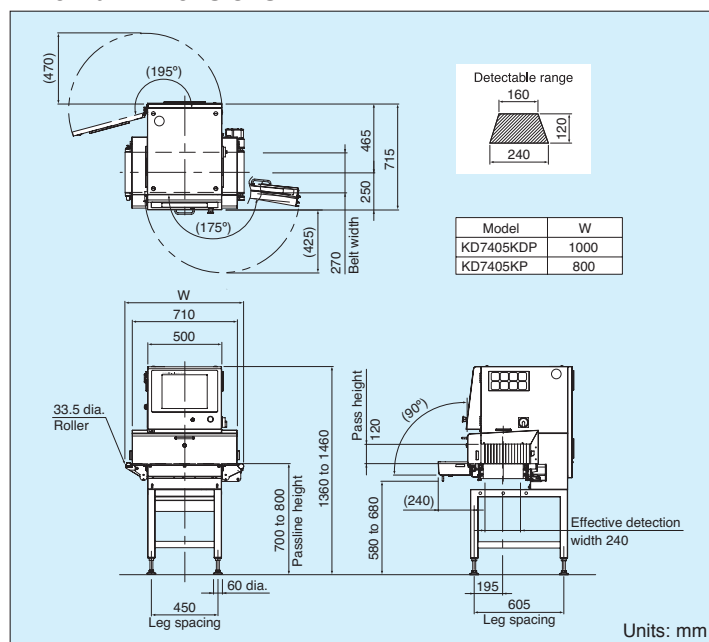
Product transfer is made smooth to reduce changes in product orientation during conveyance. (KD7405KDP)



KD7405KP



External Dimensions



Specifications

Model	KD7405KP	KD7405KDP
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	Maximum 50 kV, 100 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 ^{Note 2}	Maximum width: 240 mm, Maximum height: 120 mm (Detectable range 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}	5 to 60 m/min, Maximum 3 kg	
Maximum product weight ^{Note 4}	61 to 80 m/min, Maximum 2 kg	
	5 to 35 m/min, Maximum 6 kg (Option)	
Power requirements ^{Note 5}	100 to 120 Vac \pm 10%, or 200 to 240 Vac \pm 10%, single phase, 50/60 Hz, 700 VA, rush current 80 A (typ.) (5 ms or less)	
Mass	200 kg	205 kg
Environmental conditions	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing	
Protection class	IP40 Compliance, one-touch removable belt	
Casing material	Stainless steel (SUS304)	

Note 1 : Actual sensitivity depends on the physical properties of a product (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.

A New Model for "Light Products and Small-Packaged Products" Debut !

● Suitable and High Performance

Suitable design as well as high performance are realized for production lines of dry products such as confectionery and seasoning.
High-sensitivity detection of 0.3 mm dia. SUS sphere is possible.

● Shape Detection Function Equipped

Simultaneous detection of contaminants and shape such as missing parts, broken and missing products.

● Easy Automatic Wizard for Excellent Detection Performance

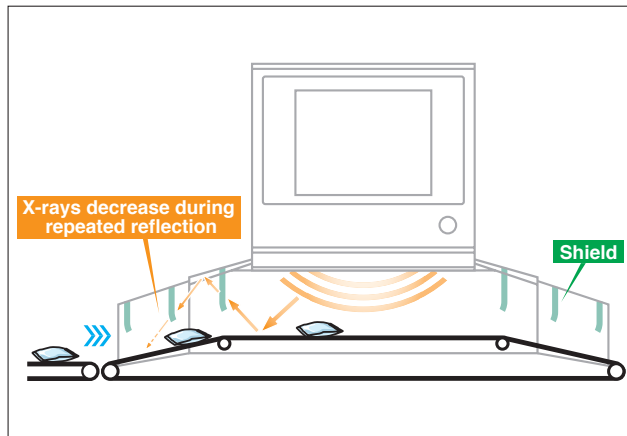
Any operator can easily obtain optimum settings just by following the graphical wizard.

● Optimum Design for Light Products and Small-Packaged Products

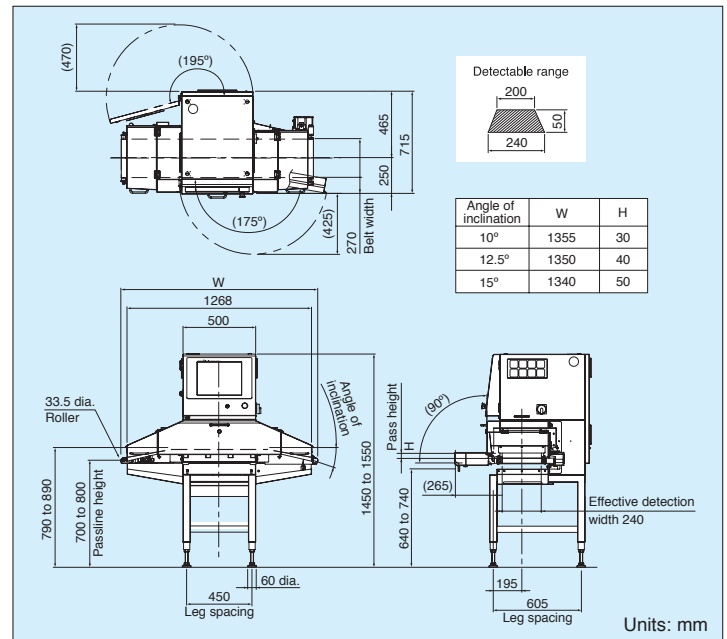
Stable and smooth product flow.



KD7405KCP



External Dimensions



Specifications

Model	KD7405KCP
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	Maximum 50 kV, 100 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 ^{Note 2}	Maximum width: 240 mm, Maximum height: 50 mm (Detectable range 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
Shape (broken, missing part) detection function	Equipped as standard
Preset memory	Maximum 100
Belt speed ^{Note 3}	5 to 50 m/min, Maximum 3 kg
Maximum product weight ^{Note 4}	5 to 35 m/min, Maximum 6 kg (Option)
Power requirements ^{Note 5}	100 to 120 Vac \pm 10%, or 200 to 240 Vac \pm 10%, single phase, 50/60 Hz, 700 VA, rush current 80 A (typ.) (5 ms or less)
Mass	220 kg
Environmental conditions	Temperature 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity 30% to 85%, non-condensing
Protection class	IP40 Compliance, one-touch removable belt
Casing material	Stainless steel (SUS304)

Note 1 : Actual sensitivity depends on the physical properties of a product (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.

Rejector

The speed varies depending on a product to be rejected.

Flipper type

Model	KW4132A◇A▼	
Gate drive system	Pneumatic drive	
Classification	3	
Maximum product size and weight	Width	160 mm
	Length	300 mm
	Height	200 mm
	Weight	1.2 kg
Maximum speed	130 products/min	
Belt speed	15 to 120 m/min	
Air requirements ^{Note 1}	0.5 to 0.9 MPa, 0.2 ℓ [A.N.R.]	
Air supply inlet	Tube having outer diameter 6 mm	
Power requirements	100 to 120 Vac +10% -15% or 200 to 240 Vac +10% -15%, single phase, 50/60 Hz	
Power consumption	90 VA	
Mass	30 kg	
◇ External finish/Protection class	F	Painted, IP30 compliance
	P	Stainless steel (SUS304), IP30 compliance
▼SV function (Diagnostic function)	A	With Rejection confirmation (Detection on Pass Side), Gate operation check, Discharge chute attachment/detachment check ^{Note 2}
	B	With Rejection confirmation (Detection on Pass Side) ^{Note 2}
	C	Without SV function

Note 1 : Maximum capacity per rejection operation.

Note 2 : The function may not operate properly depending on the model to be connected. Contact us for details.



Up and out type

Model	KW4612M◇A▼	
Classification	3	
Maximum product size and weight	Width	250 mm
	Length (1/2 stroke)	130 mm
	Height (1/2 stroke)	30 mm
	Weight	3 kg
Maximum speed	1/2 stroke	250 products/min
Belt speed	15 to 120 m/min	
Air requirements ^{Note 1}	1/2 stroke	0.5 to 0.9 MPa, 0.2 ℓ [A.N.R.]
Air supply inlet	Tube having outer diameter 6 mm	
Power requirements	100 to 120 Vac +10% -15% or 200 to 240 Vac +10% -15%, single phase, 50/60 Hz	
Power consumption	160 VA	
Mass	30 kg	
◇ External finish/Protection class	F	Painted, IP30 compliance
	P	Stainless steel (SUS304), IP30 compliance
▼SV function (Diagnostic function)	A	With Rejection confirmation (Detection on Pass Side), Gate operation check
	B	With Rejection confirmation (Detection on Pass Side)
	C	Without SV function

Note 1 : Maximum capacity per rejection operation.



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	
External finish	Stainless steel (SUS304)	

Note 1 : Functions in [] are optional.

Note 2 : The maximum product weight at a belt speed of 75 to 120 m/min is 100 g.



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.
- To ensure proper operation, read the Operation Manual before using the machine.
- In addition to daily inspection, an annual maintenance check should be carried out.

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