For Specific Applications Large Products and Cartons

KD74 series Sp

For Packaged Products

KD7447DW/DWE/FWE

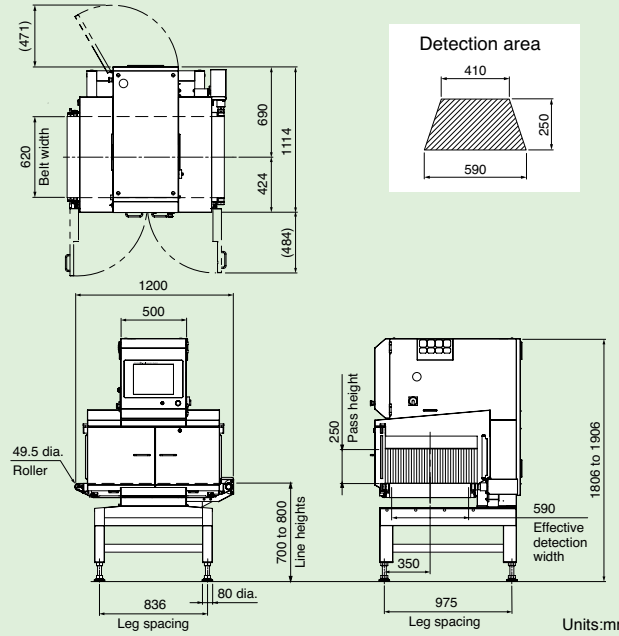
Maximum width Maximum height
Product size: 590 mm × 250 mm



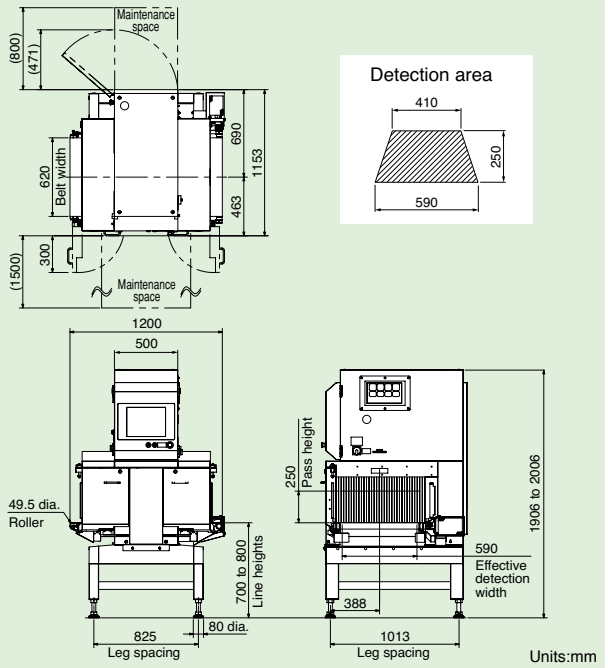
KD7447DW

External Dimensions

KD7447DW
KD7447DWE



KD7447FWE



Specifications

Model	KD7447DW	KD7447DWE	KD7447FWE
Detection sensitivity [1]	Fe sphere and SUS sphere 0.4 mm dia.	Fe sphere and SUS sphere 0.5 mm dia.	Fe sphere and SUS sphere 0.8 mm dia.
X-ray output	Tube voltage 25 to 80 kV, tube current 0.3 to 10.0 mA, output 7.5 to 350 W		Tube voltage 80 to 100 kV, tube current 0.5 to 4.3 mA, output 40 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 (with touch buzzer)		
Product size [2, 3]	Maximum width 590 mm, maximum height 250 mm (see drawing for detection area)		
Belt width	620 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 [4] Maximum product weight [5]	10 to 35 m/min, maximum 50 kg		10 to 35 m/min, maximum 50 kg [7]
	36 to 40 m/min, maximum 30 kg [6]		36 to 40 m/min, maximum 30 kg [7]
	25 to 50 m/min, maximum 20 kg (optional)		25 to 50 m/min, maximum 20 kg (optional) [7]
Power requirements [8, 9, 10]	100 to 120 or 200 to 240 Vac, single phase, 50/60 Hz, 1.0 kVA, rush current 80 A (typ.) (5 ms or less)		200 to 240 Vac, single phase, 50/60 Hz, 1.0 kVA, rush current 80 A (typ.) (5 ms or less)
Mass	450 kg		650 kg
Environmental conditions [11]	Temperature: 0° to 35°C (0° to 40°C with optional air conditioner), relative humidity: 30% to 85%, non-condensing		
Protection class	Conveyor IP66, other parts IP40, tool free belt removal		
Exterior	Stainless steel (SUS304)		

1: Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions. 2: The entrance and exit may require covers depending on the length of a product. 3: Pass height of 350 mm is available as an option. 4: Variable depending on Product No. 5: Sum total of product weight on the conveyor. 6: In an environment where water or oil regularly splashes the equipment, the maximum is 20 kg. 7: Can decrease if the conveyor is exposed to water or oil. 8: Allowable power fluctuation range is ± 10%. 9: Selectable by switching terminals. Note that the rush current shown above is at an AC voltage of 200 V. It varies according to voltage. 10: Installing the air-conditioner option changes the displayed power consumption. 11: The air-conditioner option may be required depending on the operating environment. Note: The noise level of KD7447DW/KD7447DWE does not exceed 70 dB(A). The noise level of KD7447FWE is 72 dB (A).

For Specific Applications Large Products and Cartons

KD73 series Sp



KD7337AWH1
Air conditioner is equipped as standard.

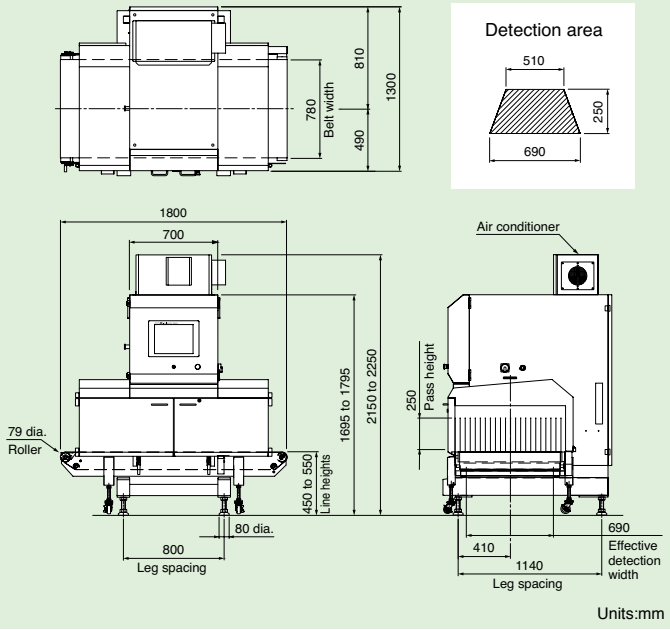
For Packaged Products

KD7337AWH1/AWH2

Maximum width Maximum height
Product size: 690 mm × 250 mm

External Dimensions

KD7337AWH1
KD7337AWH2



Units:mm

Specifications

Model	KD7337AWH1	KD7337AWH2
Detection sensitivity [1]	Fe sphere and SUS sphere 0.5 mm dia.	
X-ray output	Tube voltage 30 to 80 kV, tube current 0.3 to 7.0 mA, output 9.0 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 (with touch buzzer)	
Product size [2]	Maximum width 690 mm, maximum height 250 mm (see drawing for detection area)	
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 [3]	10 to 30 m/min, maximum 50 kg	
Maximum product weight [4]	31 to 35 m/min, maximum 40 kg	
Power requirements [5]	200 Vac, single phase, 50/60 Hz, 1.8 kVA, D class grounding	
Mass	750 kg	
Environmental conditions	Temperature: 0° to 35°C, relative humidity: 30% to 85%, non-condensing	
Protection class	Conveyor IP66, other parts IP52	
Exterior	Stainless steel (SUS304)	
Cooling system	Air conditioner (standard equipped)	

1: Actual sensitivity depends on the physical properties of products (contents and shape) and on the environmental conditions. 2: The entrance and exit may require covers depending on the length of a product. 3: Variable depending on Product No. 4: Sum total of product weight on the conveyor. 5: Allowable power fluctuation range is ± 10%. Note: The noise level of x-ray inspection systems is 72 dB(A).