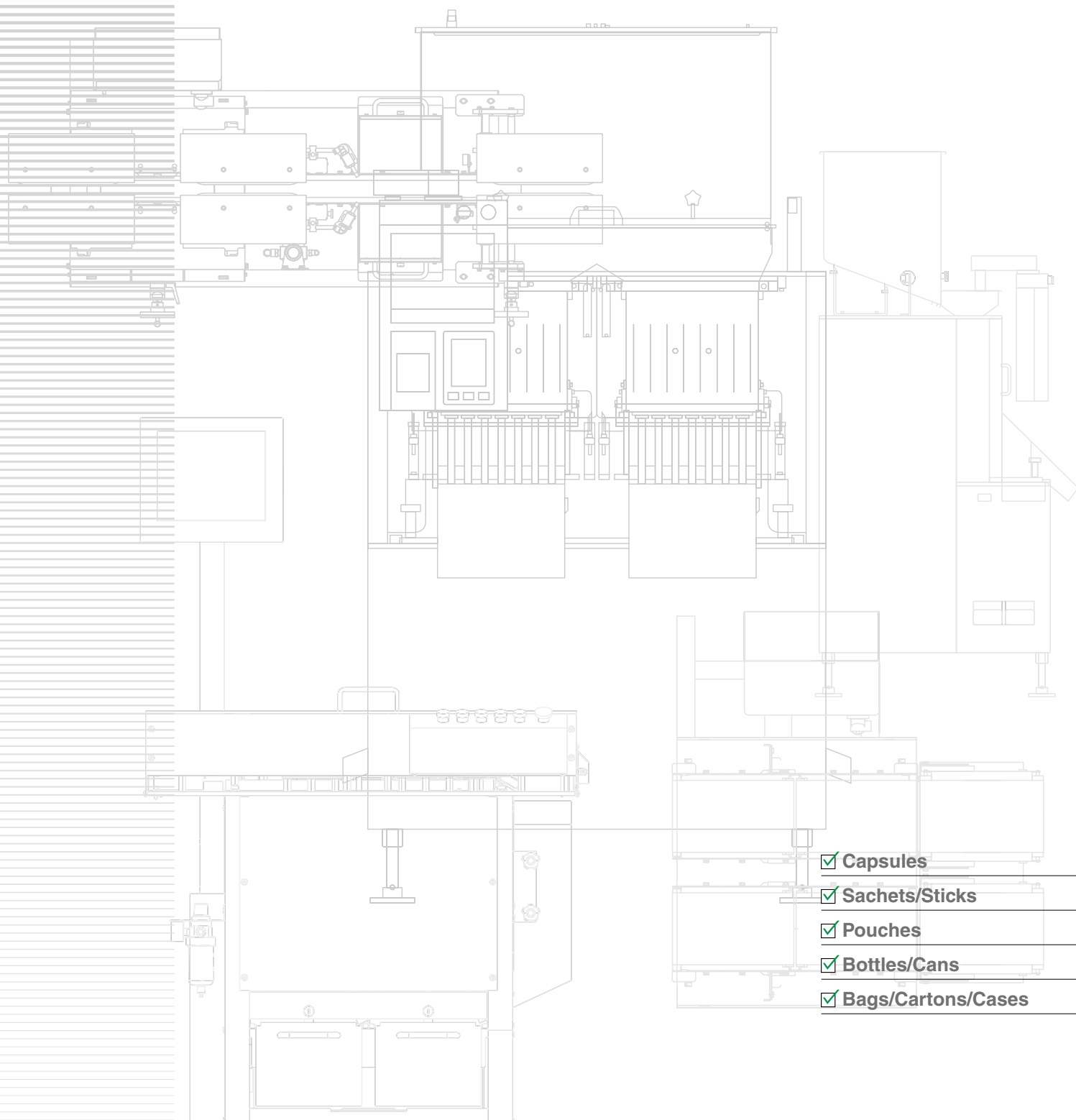


Pharmaceutical Checkweigher



- ✓ Capsules
- ✓ Sachets/Sticks
- ✓ Pouches
- ✓ Bottles/Cans
- ✓ Bags/Cartons/Cases

Pharmaceutical Checkweigher

Lineup

Capsule Checkweigher

Capsules can be individually checkweighed with the industry's highest weight accuracy of ± 0.5 mg and a maximum processing speed of 230,000/hour. Tool-less changeover parts for capsule sizes 000 to 5 are available.



Multi-Lane Checkweighers

A space-saving checkweigher for lines where multiple lanes of products are inspected with just one unit, such as divided filling packaging or tube filling lines. The checkweigher allows centralized control of production records for multiple lanes with just one indicator.



Lineup Overview



Small Bottle Checkweigher

The weighing systems have stable transfer and high accuracy measurement for slim, small-diameter bottles including nasal drops, eye lotions, and cosmetic products that are difficult to transfer in an upright position.



Aerosol Inhaler Checkweigher

A star wheel feeds aerosol cans to the weigh table at a constant speed and with a uniform spacing, achieving high speed weighing with a maximum accuracy of ± 10 mg.



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Blister Pack

Missing blister pack check



SSV-h Series
Checkweigher



Insert

Missing insert check
(magnetic ink)



Metal Detector
M Series



Carton

Missing pack check

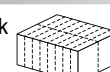


SSV-h Series
Checkweigher



Case

Missing carton check



Case Checkweigher



Overall quality management and control system

QUICCA

Quicca is a quality management software that helps you realize real-time line monitoring and analysis for complete line optimization. Product traceability and video monitoring options further enhance your quality control.



Refer to the Quicca brochure for details.

Capsule Checkweigher



Capsules

Sachets/Sticks

Pouches

Bottles/Cans

Bags/Cartons/Cases

Other

KWS9001AP10

Weighing range: 2 to 2000 mg
Accuracy (3 σ): max. ± 0.5 mg
Throughput: max. 75,000 capsules/hour

KWS9001AP20

Weighing range: 2 to 2000 mg
Accuracy (3 σ): max. ± 0.5 mg
Throughput: max. 150,000 capsules/hour

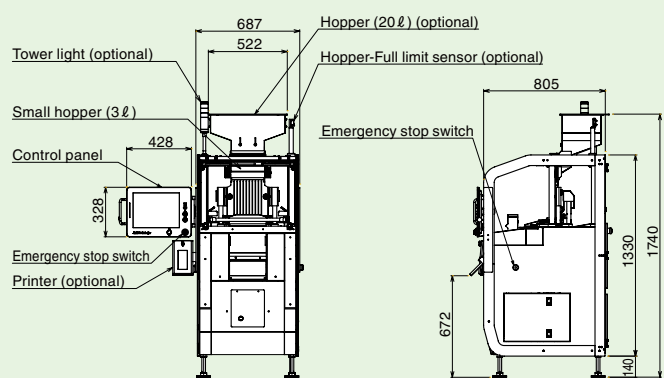
* 30 lanes available.



KWS9001AP20

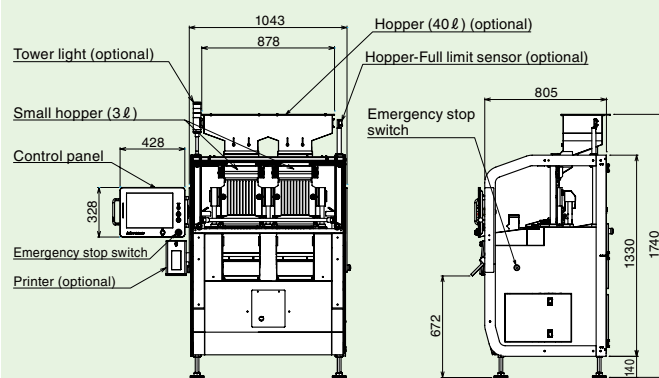
External Dimensions

KWS9001AP10



Units: mm

KWS9001AP20



Units: mm

Specifications

Model	KWS9001AP10	KWS9001AP20
Weighing range	2 to 2000 mg	
Scale interval	0.1 mg	
Maximum throughput ¹	75,000 capsules/h	150,000 capsules/h
Lane	10 lanes	20 lanes
Maximum accuracy ¹	± 0.5 mg	
Display	15-inch color LCD	
Operation method	Touch panel + Key (Start, Stop, and Home are direct push buttons)	
Indication range	2045.0 mg	
Preset memory	Maximum 50	
Classification ²	4 ways (overweight/correct weight/underweight/unclassified)	
Product size	Capsule No. 000 to 5	
Power requirements ³	100 Vac to 115 Vac $\pm 10\%$ -15% , single phase, 50/60 Hz, rush current 74 A (typ.) (90 ms or less)	
Power consumption	550 VA	1200 VA
Air requirements	0.3 to 0.9 Mpa, Air supply port: nylon tube of 8 mm dia.	
Mass	350 kg	500 kg
Environmental conditions	15°C to 30°C (variation not to exceed 1°C/h to maintain accuracy), relative humidity 30% to 70% (non-condensing)	
Protection class	IP30 (IP50 for weighcell)	
Exterior	Stainless steel (SUS304)	
Data output	USB port (USB 2.0)	

¹: Maximum throughput and maximum accuracy may vary depending on capsule size, filling content and quantity.

²: A rejection gate is installed per 10 lanes.

³: 120 Vac, 200 Vac to 240 Vac are available as an option.

Note: The noise level of the checkweigher is 78 dB(A) or less.

Multi-Lane Sachet & Stick Checkweigher (6 lanes)



Listed here are just a part of our entire product line. We offer a range of checkweighers to meet different sizes of applications.

KWS6233F 6*

Weighing range: 1.2 to 600 g

Accuracy (3 σ): max. ± 0.010 g

Throughput: max. 200 products/min x 6 lanes

* 2, 3, 4, 5, 8, 10, and 12 lanes are available.

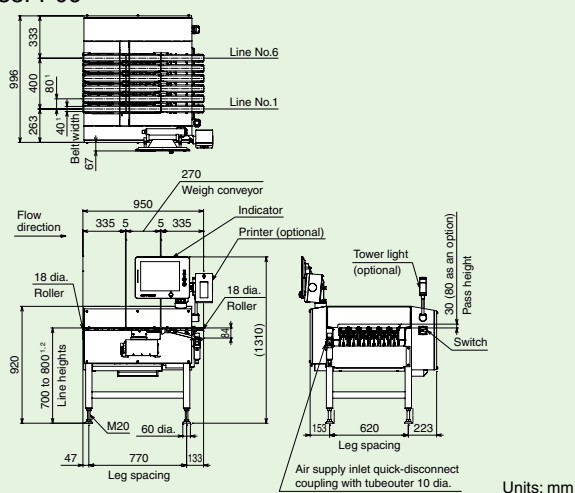
* Weighing range, accuracy, and throughput other than above available.



KWS6233FP06 (6 lanes)

External Dimensions

KWS6233FP06



1: The length of line heights, line pitch, and belt width can be customized for your requirements.

2: The minimum line height is 400+50/-20 mm.

Specifications

Model	KWS6233FP06	
Lane	6	
Weighing range	1.2 to 600 g	
Scale interval	0.01 g	
Maximum throughput ¹	200 products/min per lane	
Maximum accuracy (3 σ) ¹	± 0.010 g	
Display	15-inch color LCD	
Operation method	Touch panel (Start, Stop, Home are direct push buttons)	
Indication range	600.9 g	
Preset memory	Maximum 50	
Classification	2 (3 as an option)	
Product size ²	Width	10 to 40 mm
	Length	46 to 230 mm
	Height	5 to 60 mm
Belt speed	15 to 60 m/min	
Power requirements	100 Vac to 120 Vac +10% -15% or 200 Vac to 240 Vac +10% -15%, single phase, 50/60 Hz, 550 VA, rush current 30 A (typ.) (130 ms or less)	
Air inlet (with exclusive-use rejector)	0.4 to 0.9 MPa, 0.2 ℓ [A.N.R.] (Maximum capacity per rejection operation per lane)	
Mass	200 kg	
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30 compliance	
Exterior	Stainless steel (SUS304)	
Data output	USB port (USB2.0), Ethernet interface (10BASE-T, 100BASE-TX)	

1: The speed and accuracy vary according to the products to be weighed, the rejector and setting conditions.

2: Consult us about semi-transparent and transparent products.

Note: The rejector may be self-standing type.

Note: The noise level of the checkweighers does not exceed 70 dB(A).

Note: Weighing range, accuracy, and throughput other than above are available at your request.

Capsules

Sachets/Sticks

Pouches

Bottles/Cans

Bags/Cartons/Cases

Other





Small Bottle Checkweigher



Listed here are just a part of our entire product line. We offer a range of checkweighers to meet different sizes of applications.

KWS9223 type

Weighing range: 1.2 to 600 g

Accuracy (3 σ): max. ± 0.02 g

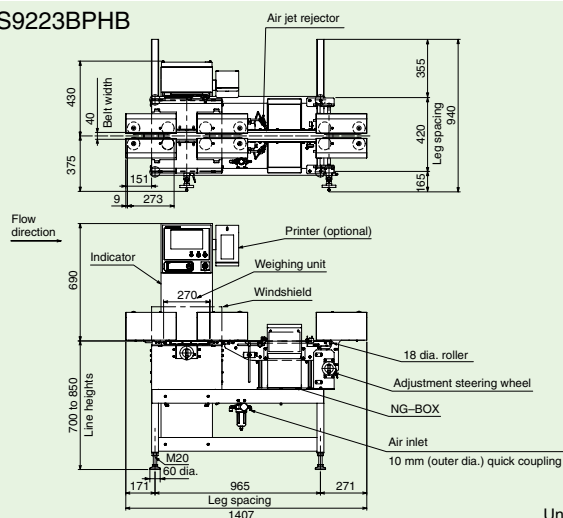
Throughput: max. 200 products/min



KWS9223BPHB

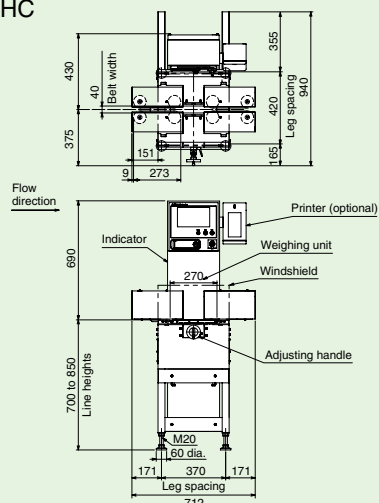
External Dimensions

KWS9223BPHB



Units: mm

KWS9223BPHC



Units: mm

Specifications

Model	KWS9223BPHB		KWS9223BPHC
Weighing range ¹	1.2 to 600 g		
Scale interval	0.01 g		
Throughput ²	Maximum 200 products/min		
Accuracy (3 σ) ²	Maximum ± 0.02 g		
Display	8.5-inch wide color TFT LCD		
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)		
Indication range	600.9 g		
Preset memory	Maximum 200		
Classification	2 or 3		
Product size ³	Width	20 to 40 mm	
	Length	20 to 40 mm	
	Height	50 to 150 mm	
Belt speed	15 to 60 m/min		
Power requirements	100 Vac to 120 Vac +10% -15% or 200 Vac to 240 Vac +10% -15%, single phase, 50/60 Hz, rush current 40 A (typ.) (40 ms or less)		
Power consumption	700 VA		550 VA
Air requirements	0.5 to 0.9 MPa, 16 ℓ /min [A.N.R.] for air jet rejector		Air supply not required (Air jet rejector not mounted)
Mass	135 kg		90 kg
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing		
Protection class	IP30		
Exterior	Stainless steel (SUS304)		

1: Maximum weight capacity for KWS9223BPHB air jet rejector is 200 g.

2: Accuracy and throughput depends on the application and the rejector.

3: Varies according to the rejector. Consult us when the product is transparent or semi-transparent.

Note: The noise level of this system does not exceed 70 dB(A).

Note: Optional compliance with FCC Part 15 available.

Capsules

Sachets/Sticks

Pouches

Bottles/Cans

Bags/Cartons/Cases

Other

Aerosol Inhaler Checkweigher

Made To Order



KW9627AP00

Weighing range: 0.5 to 60 g

Accuracy (3 σ): max. ± 0.01 g

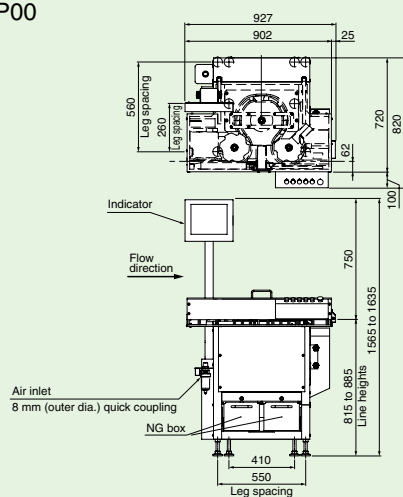
Throughput: max. 150 products/min



KW9627AP00

External Dimensions

KW9627AP00



Units: mm

Specifications

Model	KW9627AP00	
Weighing range	0.5 to 60 g	
Scale interval	0.002 g	
Throughput	Maximum 150 products/min	
Accuracy (3 σ) ¹	Maximum ± 0.01 g	
Display	10.4-inch color TFT LCD	
Operation method	Touch panel	
Indication range	60.450 g	
Preset memory	Maximum 100	
Classification	3	
Product size	Can size	21.5 / 22.0 / 23.5 / 25.0 mm diameter ²
	Height	40 to 80 mm
Belt speed	14 m/min	
Power requirements ³	100 Vac to 115 Vac +10% -15%, single phase, 50/60 Hz, 400 VA	
Air requirements	0.4 MPa, 20 l/min [A.N.R.] (Use dry air.)	
Mass	150 kg	
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30	
Exterior	Stainless steel (SUS304) (excluding some parts)	

1: The accuracy depends on the application.

2: Fixed by size, and cannot be shared. Contact our sales representatives for other sizes.

3: 200 Vac to 240 Vac is also available as an option.

Note: The noise level of this system is 72 dB(A).

Checkweighers for Bags/Pouches, Cartons, and Cases



Listed here are just a part of our entire product line. We offer a range of checkweighers to meet different sizes of applications.

Bags/Pouches



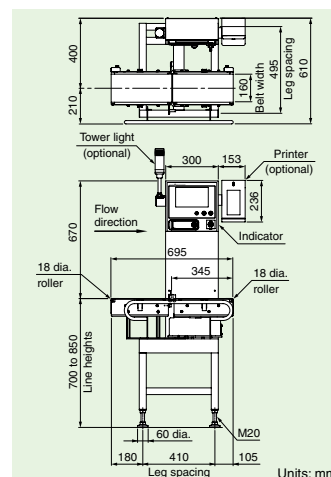
Specifications

Model	KWS6206BF06 / KWS6206BP06	
Weighing range	1.2 to 600 g	
Scale interval	0.01 g	
Throughput ¹	Maximum 320 products/min	
Accuracy (3 σ) ¹	Maximum ± 0.015 g	
Display	8.5-inch wide color TFT LCD	
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)	
Indication range	600.9 g	
Preset memory	Maximum 200	
Classification	2 or 3	
Product size ²	Width	20 to 160 mm
	Length	46 to 320 mm
	Height	5 to 320 mm
Belt speed	15 to 120 m/min	
Power requirements	100 Vac to 120 Vac +10% -15% or 200 Vac to 240 Vac +10% -15%, single phase, 50/60 Hz, 130 VA, rush current 20 A (typ.) (20 ms or less)	
Mass	60 kg	
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30	
Exterior	F type: Painted P type: Stainless steel (SUS304) (excluding some parts)	
Data output	USB port (USB2.0), Ethernet interface (10BASE-T, 100BASE-TX)	

¹: Accuracy and throughput depends on the application and the rejector. ²: Varies according to the rejector. Consult us when the product is transparent or semi transparent. Note: The noise level of this system is 70 dB(A) or lower. Note: Optional compliance with FCC Part 15 available.



External Dimensions



Cartons



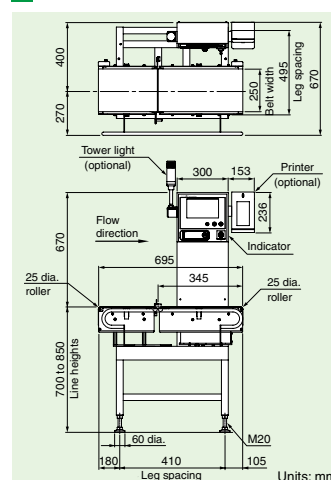
Specifications

Model	KWS5412BF12 / KWS5412BP12	
Weighing range	12 to 3000 g	
Scale interval	0.1 g	
Throughput ¹	Maximum 320 products/min	
Accuracy (3 σ) ¹	Maximum ± 0.2 g	
Display	8.5-inch wide color TFT LCD	
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)	
Indication range	3009 g	
Preset memory	Maximum 200	
Classification	2 or 3	
Product size ²	Width	20 to 250 mm
	Length	60 to 310 mm
	Height	5 to 310 mm
Belt speed	15 to 120 m/min	
Power requirements	100 Vac to 120 Vac +10% -15% or 200 Vac to 240 Vac +10% -15%, single phase, 50/60 Hz, 250 VA, rush current 20 A (typ.) (20 ms or less)	
Mass	64 kg	
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30	
Exterior	F type: Painted P type: Stainless steel (SUS304) (excluding some parts)	
Data output	USB port (USB2.0), Ethernet interface (10BASE-T, 100BASE-TX)	

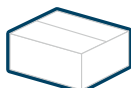
¹: Accuracy and throughput depends on the application and the rejector. ²: Varies according to the rejector. Consult us when the product is transparent or semi transparent. Note: The noise level of this system is 70 dB(A) or lower. Note: Optional compliance with FCC Part 15 available.



External Dimensions



Large cases



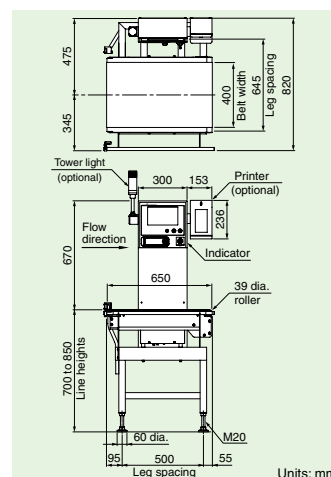
Specifications

Model	KWS5728BFNN / KWS5728BPNN	
Weighing range	60 to 25000 g	
Scale interval	2 g	
Throughput ¹	Maximum 40 products/min	
Accuracy (3 σ) ¹	Maximum ± 2 g	
Display	8.5-inch wide color TFT LCD	
Operation method	Touch panel (Start, Stop, and Home are direct push buttons)	
Indication range	25090 g	
Preset memory	Maximum 200	
Classification	2 or 3	
Product size ²	Width	20 to 450 mm
	Length	88 to 600 mm
	Height	5 to 600 mm
Belt speed	5 to 29 m/min	
Power requirements	100 Vac to 120 Vac +10% -15% or 200 Vac to 240 Vac +10% -15%, single phase, 50/60 Hz, 250 VA, rush current 20 A (typ.) (20 ms or less)	
Mass	66 kg	
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30	
Exterior	F type: Painted P type: Stainless steel (SUS304) (excluding some parts)	
Data output	USB port (USB2.0), Ethernet interface (10BASE-T, 100BASE-TX)	

¹: Accuracy and throughput depends on the application and the rejector. ²: Varies according to the rejector. Consult us when the product is transparent or semi transparent. Note: The noise level of this system is 70 dB(A) or lower. Note: Optional compliance with FCC Part 15 available.



External Dimensions



Built-In Multi-Lane Weighing System

KWS9006AN□□ / AP□□

Weighing range: 0.1 to 50 g
Accuracy (3 σ): max. ± 0.002 g
Throughput: max. 100 products/min (per lane)

KWS9005AN□□ / AP□□

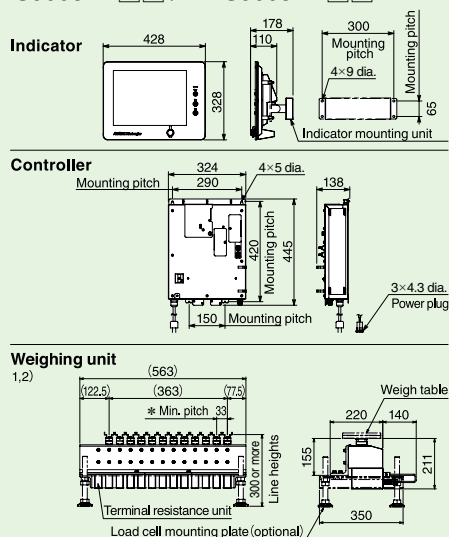
Weighing range: 0.2 to 100 g
Accuracy (3 σ): max. ± 0.05 g
Throughput: max. 100 products/min (per lane)

* Designed to be integrated with filling/packing equipment.



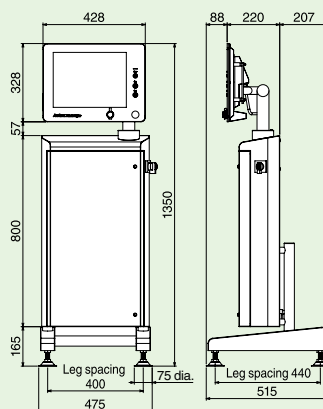
External Dimensions

KWS9006AN□□ / KWS9005AN□□

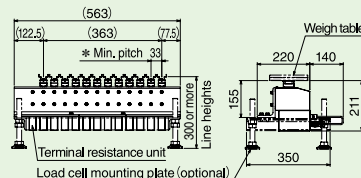


KWS9006AP□□ / KWS9005AP□□

Indicator/Controller



Weighing unit 1,2)



Units: mm

- 1: Dimensions of weighing unit is for 12 lanes.
2: Shapes of weighing table and weighing table stand depend on the specifications. Contact us for detailed dimensions.

Specifications

Model ¹	KWS9006AN□□	KWS9006AP□□	KWS9005AN□□	KWS9005AP□□
Weighing range	0.1 to 50 g		0.2 to 100 g	
Scale interval	0.001 g		0.01 g	
Throughput ²	100 products/min per lane			
Accuracy (3σ) ²	Maximum ±0.002 g		Maximum ±0.05 g	
Display	15-inch color TFT LCD			
Operation method	Touch panel (Start, Stop, Home are direct push buttons)			
Indication range	50.090 g		100.90 g	
Preset memory	Up to 50			
Lane	Up to 12			
Power requirements	100 Vac to 120 Vac +10% –15% or 200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, rush current 12 A (typ.) (20 ms or less)			
Power consumption	50 to 130 VA		30 to 80 VA	
Mass	Indicator: 4 kg; Controller: 6 kg; Weighing unit: 1.5 kg; Controller chassis: 40 kg			
Environmental conditions	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing			
Protection class	Indicator: IP50; Weighing unit: IP50			
	Controller: IP20	Controller chassis: IP50	Controller: IP20	Controller chassis: IP50
Exterior	Indicator: SUS; Weighing unit: SUS			
	Controller: aluminum	Controller chassis: SUS	Controller: aluminum	Controller chassis: SUS
Data output	USB port (USB2.0), Ethernet interface (10BASE-T, 100BASE-TX)			
External I/F	I/O contact, serial or CC-Link			

1: □ indicates the number of lane.

2: Depends on the product to be weighed.

Note: The device complies with part 15 of the FCC Rules.

Note

[illegible]



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ISO 9001 CERTIFICATE No.JQA-0316

- Some products shown in this catalog may not be available in your country or region. Contact our sales representatives for details.
- To ensure proper operation, read the Operation Manual before using the machine.
- In addition to daily inspection, a full maintenance inspection should be completed annually.

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