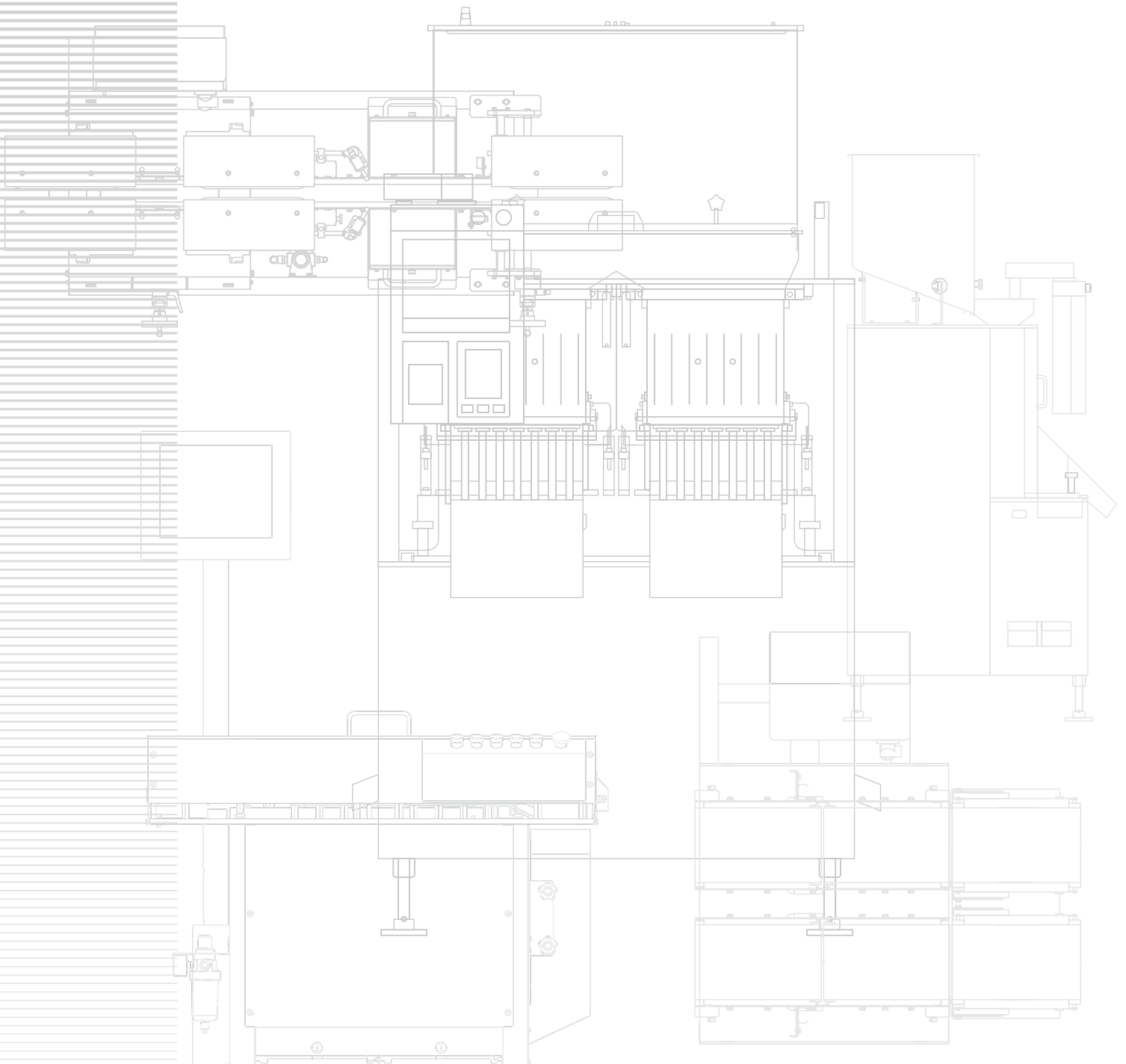


# Pharmaceutical Checkweigher

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# Pharmaceutical Checkweigher

## Line up



### Capsule Checkweigher

Capsules can be individually checkweighed into three classifications (overweight, proper weight, or lightweight) with a maximum speed of 2000 capsules/min. The automatic cleaning of the weigh table and periodic zero-setting maintain high accuracy.

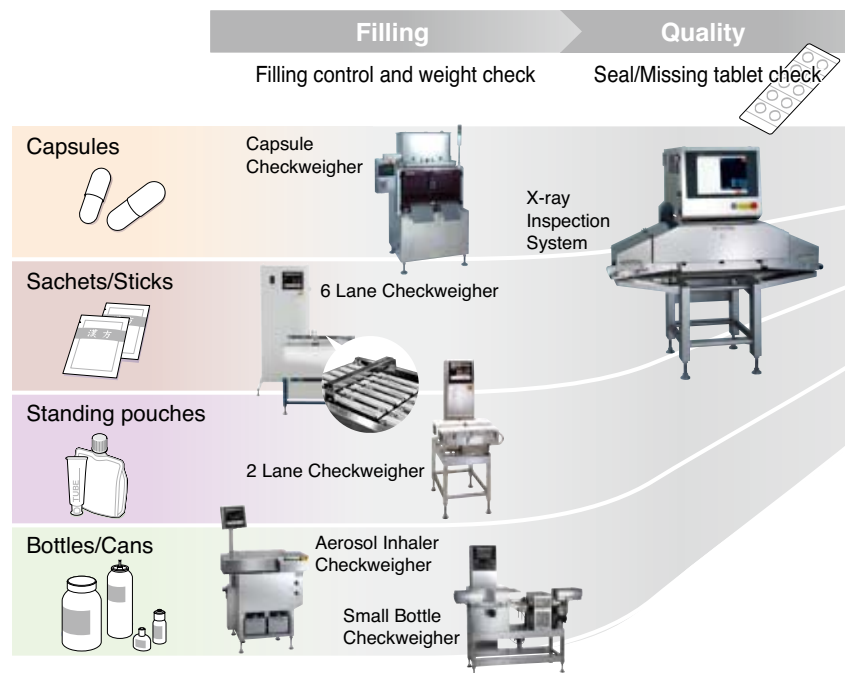


### Multi-Lane Checkweigher

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.



## Line up 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  $\pm 10$  mg.



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Capsules

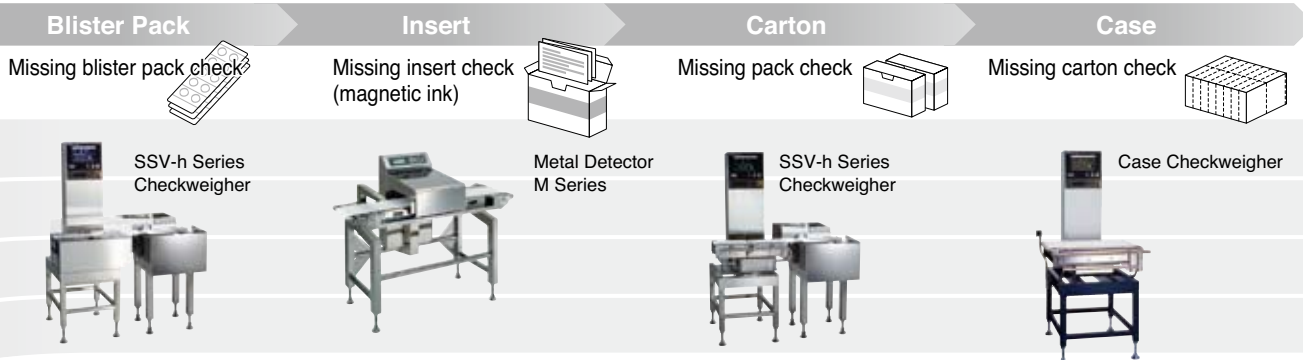
Sachets/Sticks

Standing pouches

Bottles/Cans

Bags/Cartons/Cases

Other



## 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

Standing pouches

Bottles/Cans

Bags/Cartrons/Cases

Other

## KW9001AP

Weighing range: 20 to 1000 mg  
Accuracy (3 $\sigma$ ): max.  $\pm$  2 mg  
Throughput: max. 120,000 capsules/hour

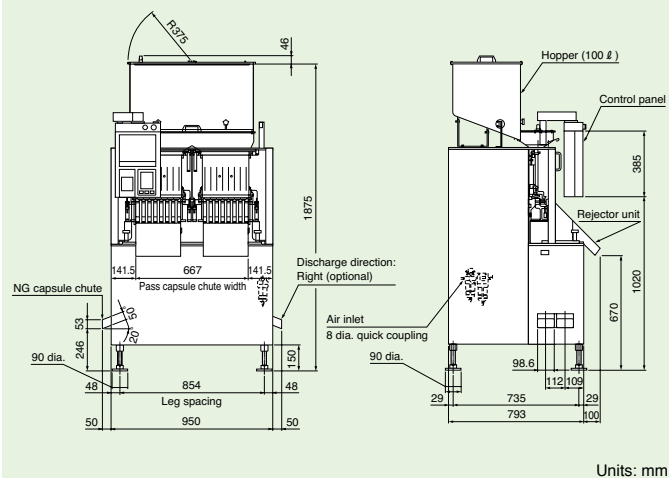
## KW9002AP

Weighing range: 20 to 1000 mg  
Accuracy (3 $\sigma$ ): max.  $\pm$  2 mg  
Throughput: max. 60,000 capsules/hour

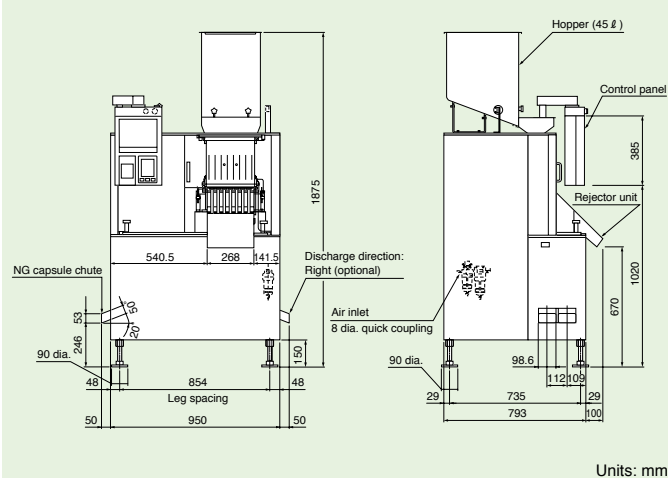


### External Dimensions

#### KW9001AP



#### KW9002AP



### Specifications

Model	KW9001AP	KW9002AP
Weighing range	20 to 1000 mg	
Scale interval	0.5 mg	
Throughput <sup>1</sup>	Maximum 120,000 capsules/hour	Maximum 60,000 capsules/hour
Accuracy (3 $\sigma$ ) <sup>1</sup>	Maximum $\pm$ 2 mg	
Display	EL	
Operation method	Flat panel key	
Indication range	1100 mg	
Classification	Maximum 20	
Preset memory	3	
Product size	Capsule No. 00 to 5	
Power requirements	100 Vac $\pm$ 10%, single phase, 50/60 Hz, 600 VA	100 Vac $\pm$ 10%, single phase, 50/60 Hz, 550 VA
Air requirements	0.3 to 0.9 MPa, 30 $\ell$ /min [A.N.R.]	0.3 to 0.9 MPa, 15 $\ell$ /min [A.N.R.]
Mass	600 kg	500 kg
Environmental conditions	15° to 25°C (variation not to exceed 1°C/hour), relative humidity 30% to 70%, non-condensing	
Protection class	IP30	
Exterior	Stainless steel (SUS304)	

<sup>1</sup>: Accuracy and throughput depends on the application and the rejector.  
Note: The noise level of this system does not exceed 70 dB(A).

# Multi-Lane Sachet & Stick Checkweigher (6 lanes)



## KW6023F□6B\*

Weighing range: 0.5 to 60 g

Accuracy (3 $\sigma$ ): max.  $\pm$  0.015 g

Throughput: max. 150 products/min x 6 lanes

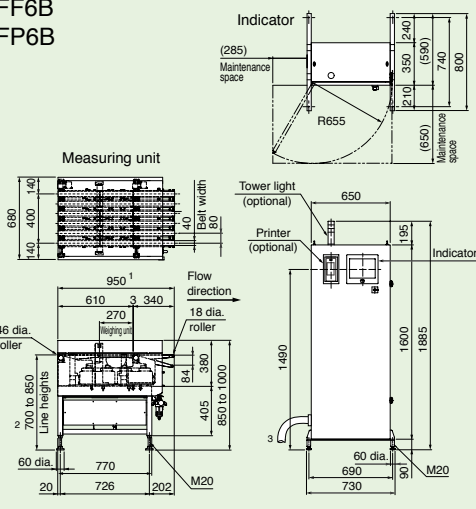
\* 3, 4, and 5 lanes available.

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

### External Dimensions

KW6023FF6B

KW6023FP6B



Units: mm

1: The length is the same if the rejector has its own feet.

2: The length of pass heights can be customized for your requirements. The minimum is 400  $\pm$  20 mm.

3: The standard length of the cable between the indicator and the weighing unit is 5 m; 10 m is available as an option.

### Specifications

Model	KW6023FF6B KW6023FP6B	
Weighing range	0.5 to 60 g	
Scale interval	0.005 g	
Throughput <sup>1</sup>	Maximum 150 products/min x 6-lane	
Accuracy (3 $\sigma$ ) <sup>1</sup>	Maximum $\pm$ 0.015 g	
Display	10.4-inch color TFT LCD	
Operation method	Touch panel	
Indication range	60.45 g	
Preset memory	Maximum 100	
Classification	2	
Product size <sup>2</sup>	Width	20 to 40 mm
	Length	46 to 230 mm
	Height	5 to 60 mm
Belt speed	15 to 60 m/min	
Power requirements	100 to 120 Vac +10% -15% or 200 to 240 Vac +10% -15%, single phase, 50/60 Hz, 600 VA, rush current 62 A (typ.) (20 ms or less)	
Rejector <sup>3</sup>	Integrated	
Air requirements <sup>4</sup>	0.5 to 0.9 MPa, 0.3 l /min [ A.N.R.] (per lane)	
Mass	Weighing unit: 130 kg Indicator: 120 kg	
Environmental conditions	0° to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30	
Exterior	KW6023FF6B: Painted KW6023FP6B: Stainless steel (SUS304) (excluding some parts)	

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

2: The size of the application varies according to the rejector. Consult us when the product is transparent or semi-transparent.

3: System with no rejector or with rejector having its own feet are available.

4: Maximum air pressure per rejection movement.



KW6023FF6B (6 lanes)

Capsules

Sachets/Sticks

Standing pouches

Bottles/Cans

Bags/Cartons/Cases

Other

# 2 Lane Pouch Checkweigher



## KW6205E□2C\*

Weighing range: 2 to 600 g

Accuracy (3 $\sigma$ ): max.  $\pm$  0.02 g

Throughput: max. 400 products/min x 2 lanes

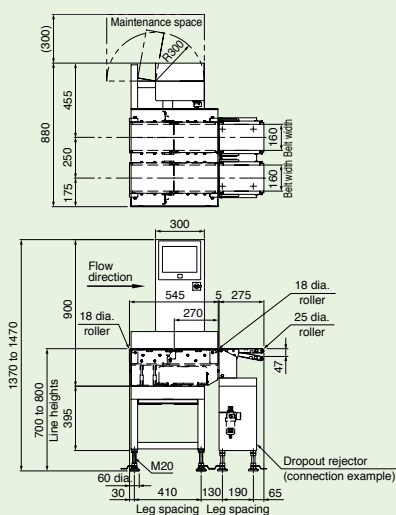
\* Weighing range, accuracy, and throughput other than above available.



KW6205EP2C (2 lanes)

### External Dimensions

KW6205EF2C  
KW6205EP2C



Units: mm

\* The belt pitch in this drawing is the minimum pitch when the checkweigher is connected to a dropout rejector.

\* The minimum belt pitch of the checkweigher is 150 mm when the belt width is 100 mm. The value depends on the type of a rejector to be connected.

Dropout rejector	185 mm or longer
Flipper rejector	150 mm to 220 mm
Air jet rejector	300 mm or longer

### Specifications

Model	KW6205EF2C KW6205EP2C	
Weighing range	2 to 600 g	
Scale interval	0.02 g /600 g , 0.01 g /300 g	
Throughput <sup>1</sup>	Maximum 400 products/min x 2-lane	
Accuracy (3 $\sigma$ ) <sup>1</sup>	Maximum $\pm$ 0.02 g	
Display	10.4-inch color TFT LCD	
Operation method	Touch panel	
Indication range	600.9 g	
Preset memory	Maximum 100	
Classification	2 or 3	
Product size <sup>2</sup>	Width	20 to 160 mm
	Length	46 to 230 mm
	Height	5 to 180 mm
Belt speed	15 to 120 m/min	
Power requirements	100 to 120 Vac +10% -15% or 200 to 240 Vac +10% -15%, single phase, 50/60 Hz, 500 VA, rush current 62 A (typ.) (20 ms or less)	
Mass	75 kg	
Environmental conditions	0° to 40°C (variation not to exceed 5°C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	IP30	
Exterior	KW6205EF2C: Painted KW6205EP2C: Stainless steel (SUS304) (excluding some parts)	

<sup>1</sup>: Accuracy and throughput depends on the application and the rejector.

<sup>2</sup>: The size of the application varies according to the rejector. Consult us when the product is transparent or semi-transparent.

# Small Bottle Checkweigher



## KWS9223 type

Weighing range: 1.2 to 600 g

Accuracy (3 $\sigma$ ): max.  $\pm 0.02$  g

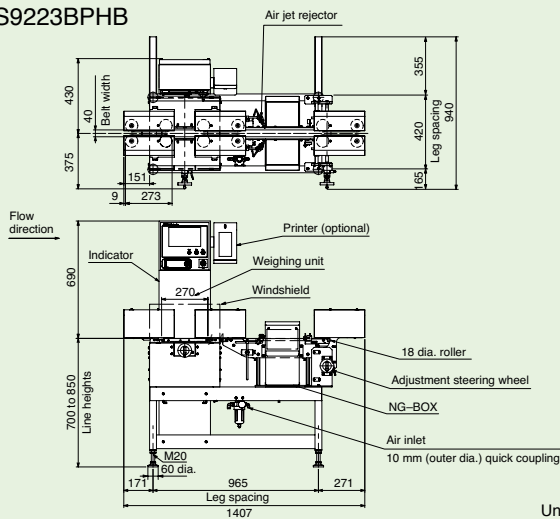
Throughput: max. 200 products/min



KWS9223BPHB

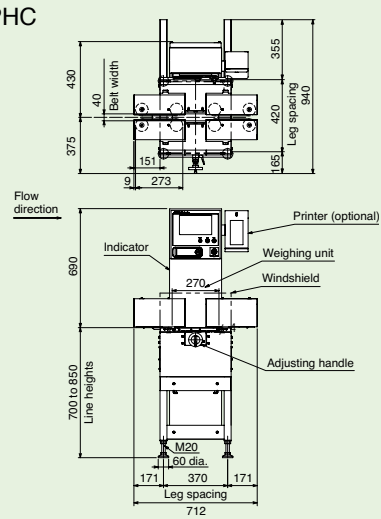
### External Dimensions

KWS9223BPHB



Units: mm

KWS9223BPHC



Units: mm

### Specifications



Model	KWS9223BPHB	KWS9223BPHC
Weighing range <sup>1</sup>	1.2 to 600 g	
Scale interval	0.01 g	
Throughput <sup>2</sup>	Maximum 200 products/min	
Accuracy (3 $\sigma$ ) <sup>2</sup>	Maximum $\pm 0.02$ 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 <sup>3</sup>	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 to 120 Vac +10% -15% or 200 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 $\ell$ /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° 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.

# Aerosol Inhaler Checkweigher

Made To Order


## KW9627AP00

Weighing range: 0.5 to 60 g

Accuracy (3 $\sigma$ ): max.  $\pm$  0.01 g

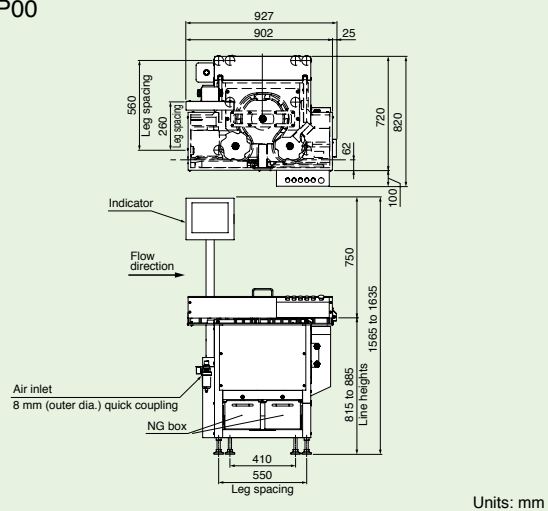
Throughput: max. 150 products/min



KW9627AP00

### External Dimensions

KW9627AP00



### Specifications

Model	KW9627AP00	
Weighing range	0.5 to 60 g	
Scale interval	0.002 g	
Throughput	Maximum 150 products/min	
Accuracy (3 $\sigma$ ) <sup>1</sup>	Maximum $\pm$ 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 <sup>2</sup>
	Height	40 to 80 mm
Belt speed	14 m/min	
Power requirements <sup>3</sup>	100 to 115 Vac +10% -15%, single phase, 50/60 Hz, 400 VA	
Air requirements	0.4 MPa, 20 $\ell$ /min [A.N.R.] (Use dry air.)	
Mass	150 kg	
Environmental conditions	0° 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 to 240 Vac is also available as an option.

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



(Option)



# 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



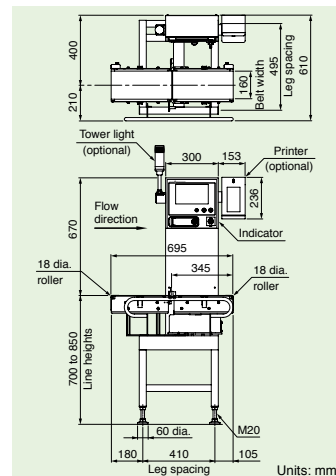
### Specifications

Model	KWS6206BF06 / KWS6206BP06	
Weighing range	1.2 to 600 g	
Scale interval	0.01 g	
Throughput <sup>1</sup>	Maximum 320 products/min	
Accuracy (3σ) <sup>1</sup>	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 <sup>2</sup>	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 to 120 Vac +10% -15% or 200 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° 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)	
Standard interfaces	USB2.0, 10BASE-T/100BASE-TX Ethernet	

<sup>1</sup>: Accuracy and throughput depends on the application and the rejector. <sup>2</sup>: 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



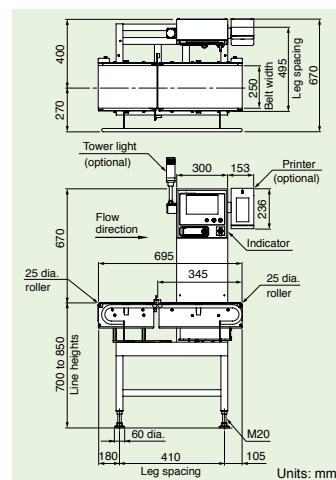
### Specifications

Model	KWS412BF12 / KWS412BP12	
Weighing range	12 to 3000 g	
Scale interval	0.1 g	
Throughput <sup>1</sup>	Maximum 320 products/min	
Accuracy (3σ) <sup>1</sup>	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 <sup>2</sup>	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 to 120 Vac +10% -15% or 200 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° 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)	
Standard interfaces	USB2.0, 10BASE-T/100BASE-TX Ethernet	

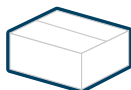
<sup>1</sup>: Accuracy and throughput depends on the application and the rejector. <sup>2</sup>: Varies according to the rejector. Consult us when the product is transparent or semi transparent. Note: The noise level of this system is 70 dB(A) or lower. Note: Optional compliance with FCC Part 15 available.



### External Dimensions



## Large cases



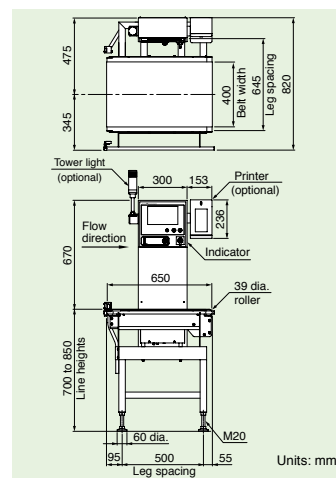
### Specifications

Model	KWS572BFNN / KWS572BPNN	
Weighing range	60 to 25000 g	
Scale interval	2 g	
Throughput <sup>1</sup>	Maximum 40 products/min	
Accuracy (3σ) <sup>1</sup>	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 <sup>2</sup>	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 to 120 Vac +10% -15% or 200 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° 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)	
Standard interfaces	USB2.0, 10BASE-T/100BASE-TX Ethernet	

<sup>1</sup>: Accuracy and throughput depends on the application and the rejector. <sup>2</sup>: 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

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

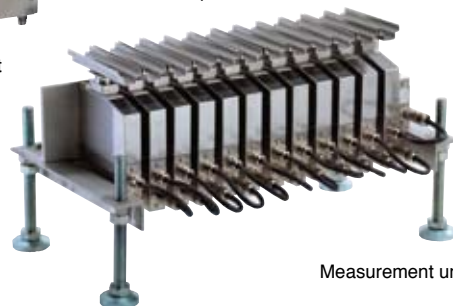
- \* Designed to be integrated with filling/packing equipment.
- \* Refer to the Built-In Multi-Lane Weighing System leaflet for detailed features.



Control unit

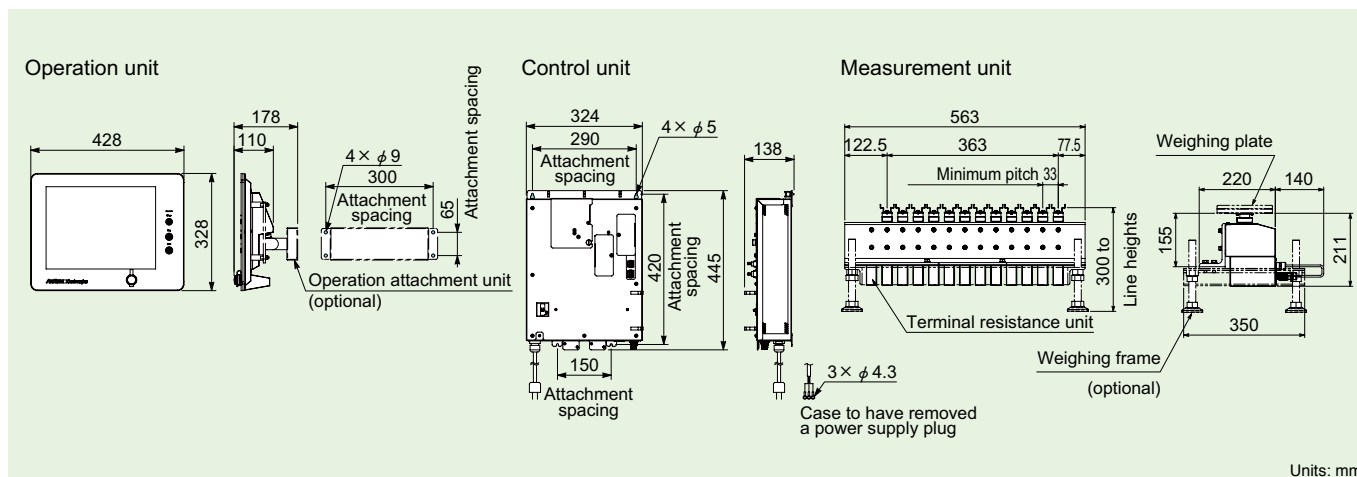


Operation unit



Measurement unit

### External Dimensions



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

### Specifications

Model <sup>1</sup>	KWS9006AN <input type="checkbox"/> <input type="checkbox"/>
Weighing range	0.1 to 50 g
Scale interval	0.001 g
Throughput <sup>2</sup>	100 products/min per lane
Accuracy (3σ) <sup>2</sup>	Maximum ± 0.002 g
Display	15-inch color TFT LCD
Operation method	Touch panel (Start, Stop, Home are direct push buttons)
Indication range	50.090 g
Preset memory	Up to 50
Lane	Up to 12
Power requirements	100 to 120 Vac + 10%–15% or 200 to 240 Vac + 10%–15%, single phase, 50/60 Hz, rush current 12 A (typ.) (20 ms or less)
Mass	Operation unit: 4 kg; Control unit: 6 kg; Measurement unit: 1.5 kg
Environmental conditions	0 to 40°C (variation not to exceed 5 °C/h to maintain accuracy), relative humidity 30% to 85%, non-condensing
Protection class	Operation unit: IP50; Control unit: IP20; Measurement unit: IP50
Exterior	Operation unit: SUS; Control unit: aluminum; Measurement unit: 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: Strain gauge load cell is also available. Contact our sales representatives.  
 Note: This device complies with part 15 of the FCC Rules.







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1001 Cambridge Drive Elk Grove Village, IL 60007-2453  
Phone (847)419-XRAY(9729) Fax (847)537-8266  
<http://www.detectionperfection.com>

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ISO 9001 CERTIFICATE No.JQA-0566  
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- 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, an annual maintenance check should be carried out.

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