Product Brochure

Anritsu

Automatic Combination Weigher

Clean Cup Scale

Clean-cup Scale



Clean Cup Scale that meets the weighing needs of today's food industry

High Speed, High Yield for Sticky Food Products

Due to an increase in labor costs and raw material costs, demand for automation and optimization in food processing and packaging is growing on a wide range of products. To meet industry's increasing demands, we offer a broad range of weighing solutions for sticky and wet products to help improve productivity and increase production yield.

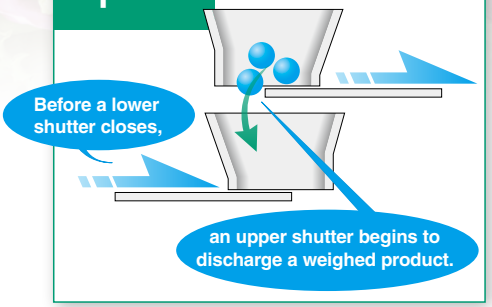
Clean-cup Scale





Make a Difference in Productivity —
Anritsu's unique key features

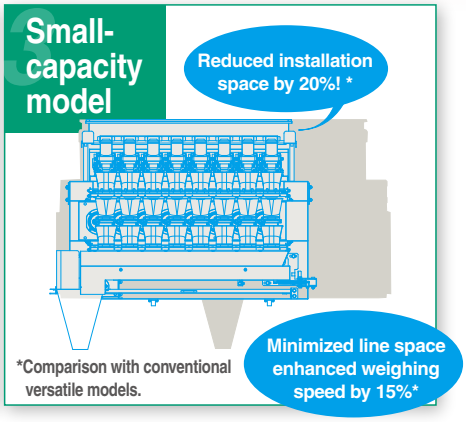
1 High speed



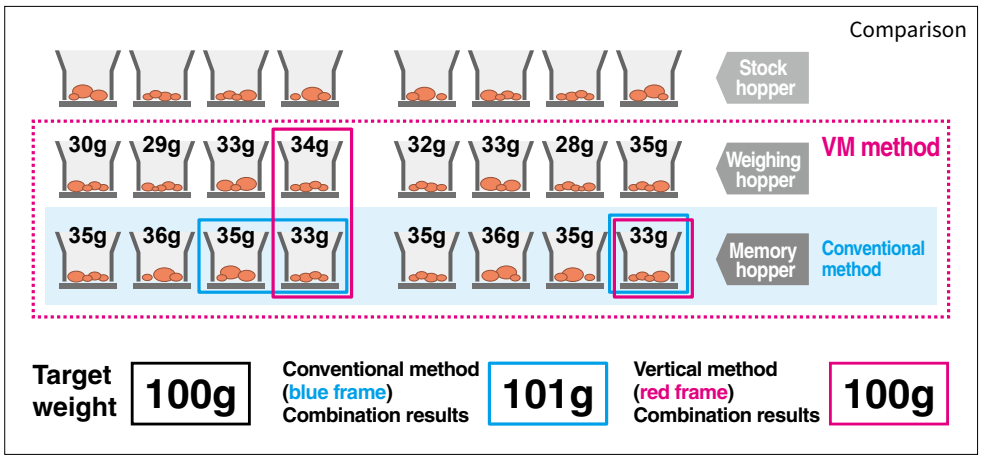
2 Sticky products



3 Small-capacity model



Anritsu Proprietary Vertical Memory Method for Higher Yield



With combined action of the weighing hopper and memory hopper, the vertical (VM) weighing method offers many combinations with only a few heads. VM weighing enhances production capacity and reduces the cost for raw materials.

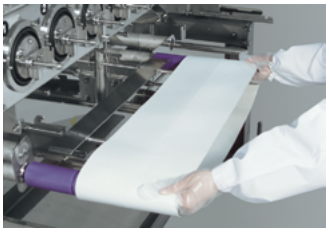
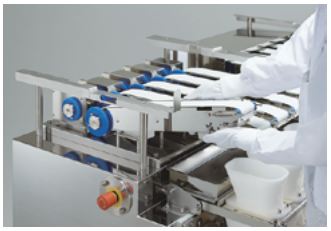
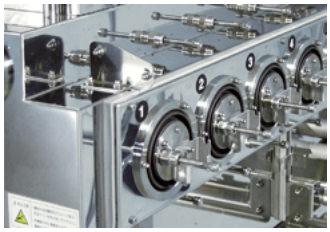
Combination results using the 8 head model

Conventional method: 255 combinations

Vertical Memory method: 6,560 combinations

Easy Cleaning and Hygienic Design

- Parts in contact with foods are easily removed and attached without tools, reducing downtime during product changeovers and machine maintenance. Waterproof construction withstands full washdown with hot water, minimizing cleaning time.
- Stain-resistant, mirror-finish body. Hygienic design for fast and efficient cleaning.

Two Methods are Available by Capacity



High-speed and small capacity model

Enhanced weighing speed compared to the conventional model.

Suitable for weighing the product less than 500 g.
Improved weighing performance by 15% and reduced installation space by 20% (comparison with the versatile model).

Ideal for high-speed weighing of products with small capacity.



Dried fruits | Cheese | Fresh herb | Sliced mushroom | Pre-cut cucumber



Versatile model

Versatile model that weighs any type of products

It can weigh the product over 500 g as well.

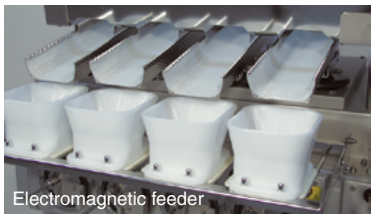
Suitable for weighing of product with large capacity.



Stir-fried noodle with meat | Kimchi | Salad | Boiled meat | Salmon flakes

Weighing Methods for Various Applications

- Two types of feeder for product type
  [Electromagnetic feeder] [Belt feeder]
  (8-head, 10-head, and 12-head models)
- 2 products mix specifications
  (10-head and 12-head models)
- Twin specification (12-head model)
- Mix and Twin specifications (12-head model)

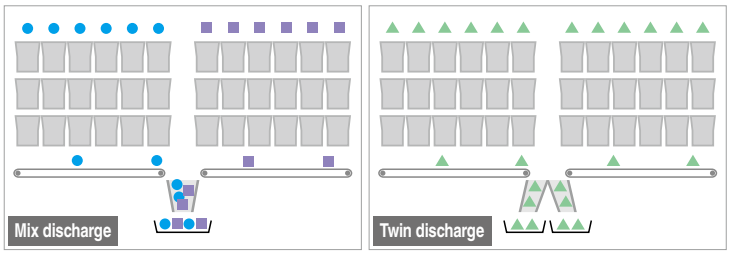




[What is Mix/Twin specifications?]

Mix discharge
It weighs two different products separately and discharge them together. Suitable for weighing pan fried noodle with its ingredients.

Twin discharge
It discharges weighed products from both ends. Individual measurement on the right or the left side is allowed.



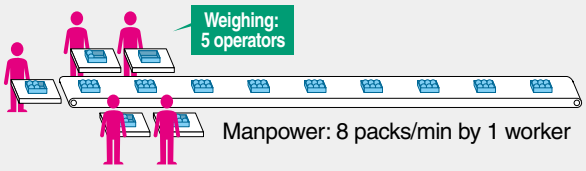
Reducing labor costs and improving productivity

Anritsu provides accurate and reliable weighing solutions that precisely meet your everyday weighing needs.

● Enhanced production yields ● Minimize operators' workload ● Reduce manpower ● Increase productivity, etc.

Example of installing the Clean Cup Scale

Before the installation



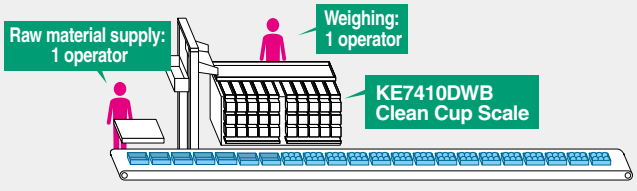
Manpower: 8 packs/min by 1 worker

[Example] 8-hour workday

Before installing the Clean Cup Scale
19,200 packs/day by 5 operators

After the installation

Improved production line efficiency.



Equipment: 50 packs/min by 2 operators

After installing Clean Cup Scale
24,000 packs/day by 2 operators

Reduce operating time by approximately 24 hours (3 operators x 8 hrs).
Increase the productivity by 4800 packs/day.
For annual operating time of 300 days, the productivity is increased by 1,440,000 packs/year.

System Example

■ ■ Contact Us ■ ■

With many years of experience in the design, development and installing weighers, we provide complete solutions that optimize production line performance and offer significant cost savings.



Clean Cup Scale

Products are weighed by the preset weight. High-precision and high-speed weighing performance will increase production yields and minimize manpower.

Bucket lifter

Carries raw materials to Automatic Combination Weigher

Checkweigher

Automatically inspects and rejects any faulty packaged products.

Packing machine

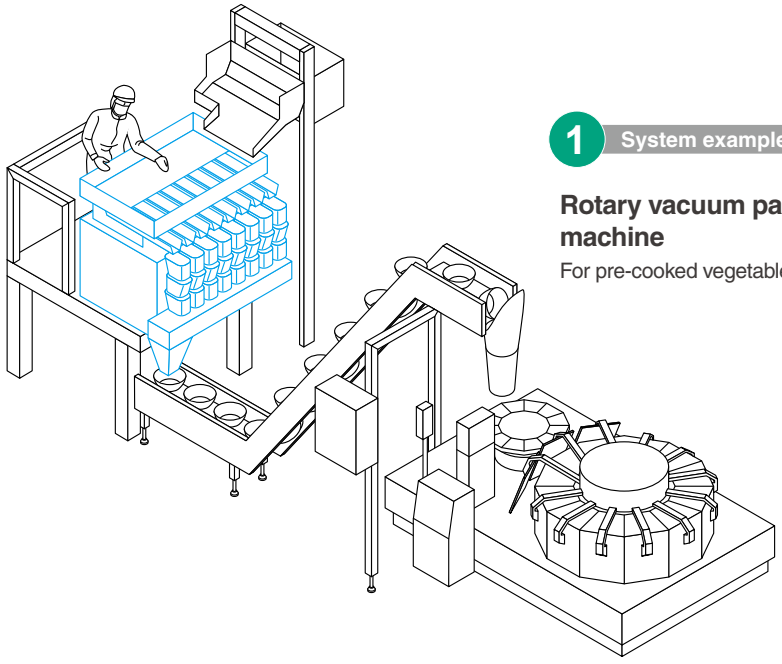
Packages fixed-weight products

X-ray inspection system

Inspects packaged products for contaminants such as metal, stone, glass, plastic, shell, etc.

We offer overall solutions for optimizing your production process including improved efficiency and labor saving.

- Various raw material supply devices
- Various filling conveyor devices
- A wide range of products
- Line design including packaging machines
- Line design including inspection equipment
- Easy line reconfiguration



1 System example

Rotary vacuum packing machine

For pre-cooked vegetables

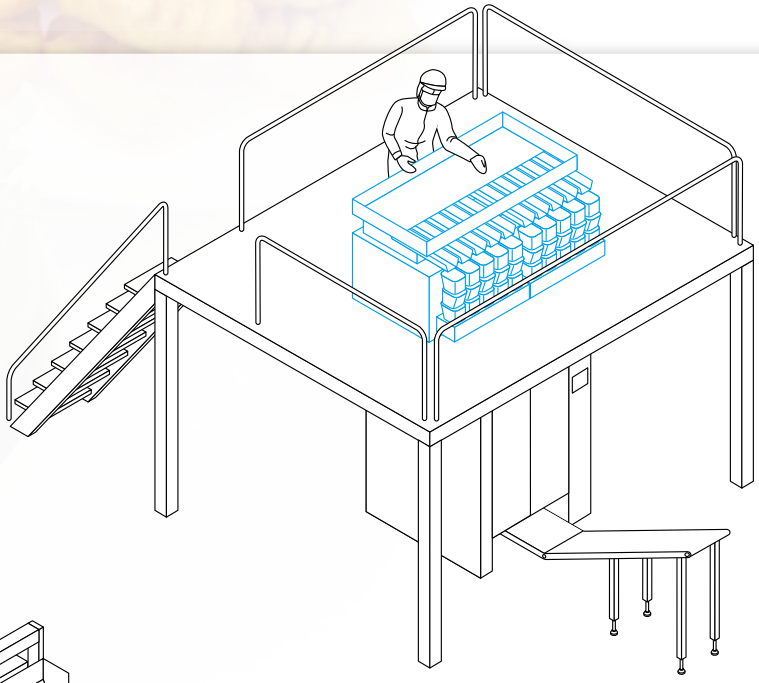


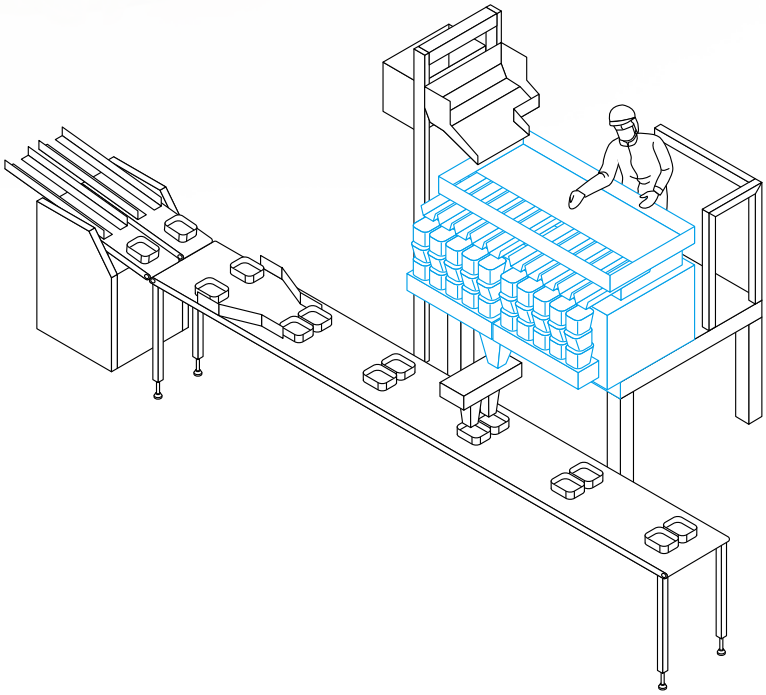
2 System example

Vertical pillow packaging machine

For pre-cut vegetables

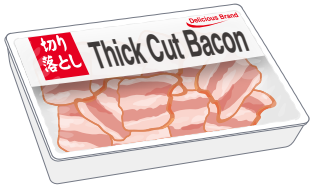






3 System example

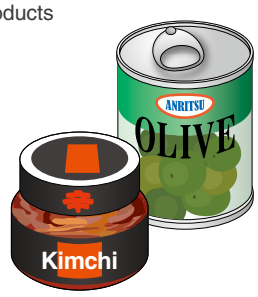
Tray filling system (dual-lane)

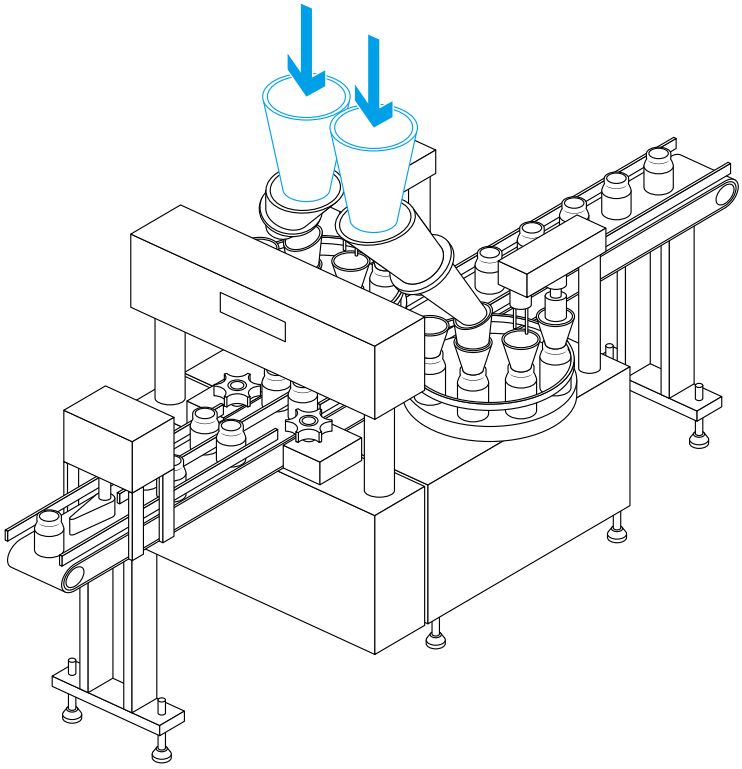


4 System example

High-speed bottle filling system

For glass bottles and canned products





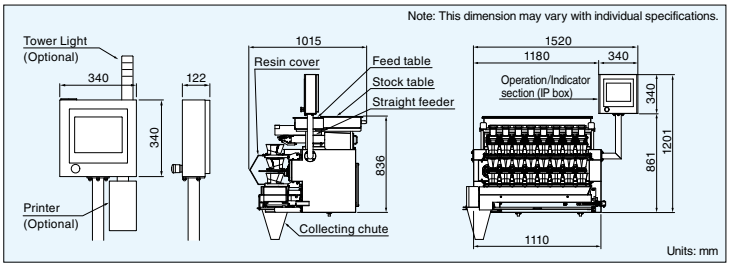
High Speed and Small Capacity Model

Weighing range: 5 g to 500 g

8-head type

The economical, high performance compact type.



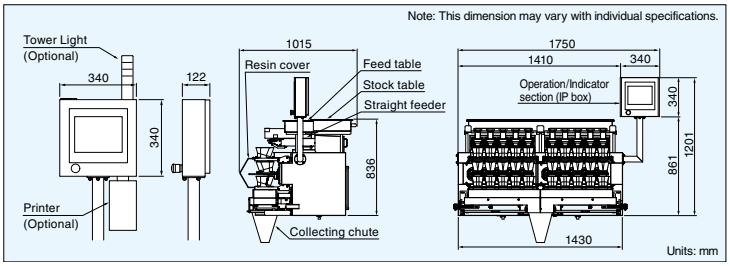


Model	KE7408EWB	KE7408EWF
Maximum speed Note 1	50 packs/min	50 packs/min
Feeding method	Belt feeder	Electromagnetic feeder
Power requirements	200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, 550 VA	
Air requirements	0.4 Mpa to 0.6 Mpa, 230 L/min (ANR)	
Mass	410 kg	

10-head type

Offers the highest weighing speed. Capable of mix weighing of products



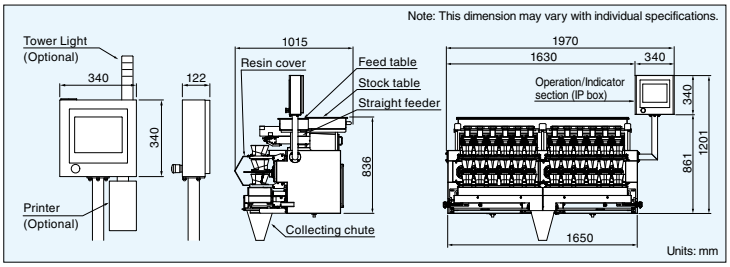


Model	KE7410EWB	KE7410EWBM	KE7410EWF	KE7410EWFM
Maximum speed Note 1	80 packs/min	40 packs/min	80 packs/min	40 packs/min
Feeding method	Belt feeder		Electromagnetic feeder	
Power requirements	200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, 650 VA			
Air requirements	0.4 Mpa to 0.6 Mpa, 400 L/min (ANR)			
Mass	460 kg			

12-head type

Multi-use type for both Mix and Twin weighing of products.





Model	KE7412EWB	KE7412EWBT	KE7412EWBM	KE7412EWBX	KE7412EWF	KE7412EWFT	KE7412EWFM	KE7412EWFX
Maximum speed Note 1	70 packs/min	45+45 packs/min	45 packs/min	45+45/45 packs/min	70 packs/min	45+45 packs/min	45 packs/min	45+45/45 packs/min
Feeding method	Belt feeder				Electromagnetic feeder			
Power requirements	200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, 750 VA							
Air requirements	0.4 Mpa to 0.6 Mpa, 400 L/min (ANR)							
Mass	530 kg							

Common Specifications

Accuracy ($\bar{X}$) Note 1	0.5 g to 3 g	Operating environment	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), Relative humidity 30% to 85%, non-condensing
Scale interval	0.1 g		
Maximum weighing volume Note 1	500 mL (single discharge)	Protection class	IP66 Note 2
Display	10.4-inch color TFT LCD	Exterior	Stainless steel (SUS304)
Operation method	Touch panel	Note 1: Changes according to product shape, conditions, etc. Note 2: Waterproof protection class is equivalent to IPX6. Dustproof protection class is equivalent to IP6X excluding negative pressure condition and weighing unit.	
Preset memory	Maximum 100		

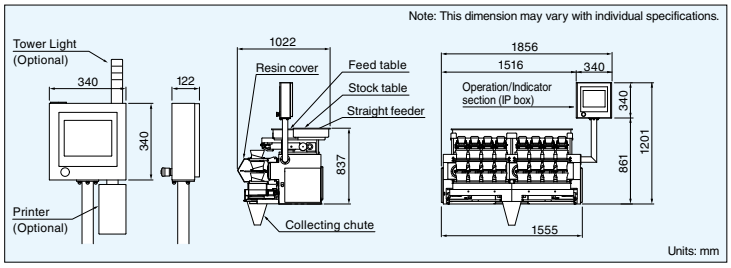
Versatile Model

Weighing range: 5 g to 1000 g

8-head type

Popular type for economical efficiency and high productivity.



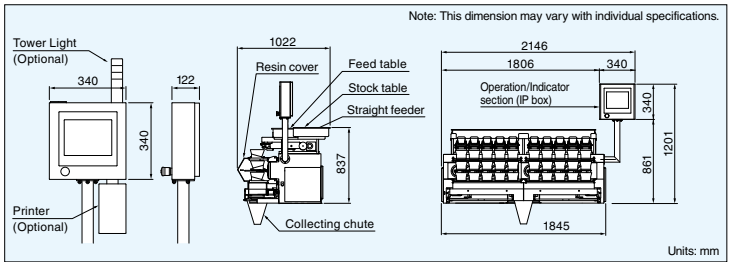


Model	KE7408DWB	KE7408DWF
Maximum speed Note 1	40 packs/min	40 packs/min
Feeding method	Belt feeder	Electromagnetic feeder
Power requirements	200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, 550 VA	
Air requirements	0.4 Mpa to 0.6 Mpa, 230 L/min (ANR)	
Mass	500 kg	

10-head type

Highly versatile type capable of mix weighing.



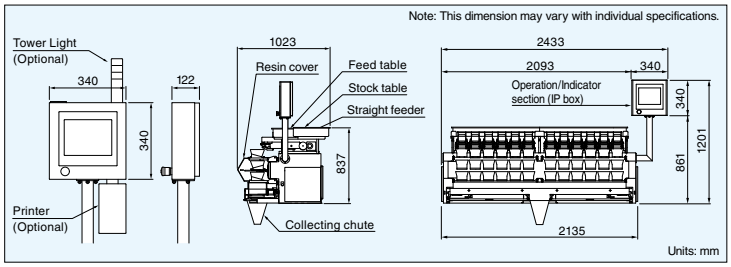


Model	KE7410DWB	KE7410DWBM	KE7410DWF	KE7410DWFM
Maximum speed Note 1	70 packs/min	35 packs/min	70 packs/min	35 packs/min
Feeding method	Belt feeder		Electromagnetic feeder	
Power requirements	200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, 650 VA			
Air requirements	0.4 Mpa to 0.6 Mpa, 400 L/min (ANR)			
Mass	550 kg			

12-head type

Multi-use type for both Mix and Twin weighing of products.





Model	KE7412DWB	KE7412DWBT	KE7412DWBM	KE7412DWBX	KE7412DWF	KE7412DWFT	KE7412DWFM	KE7412DWFX
Maximum speed Note 1	70 packs/min	40+40 packs/min	40 packs/min	40+40/40 packs/min	70 packs/min	40+40 packs/min	40 packs/min	40+40/40 packs/min
Feeding method	Belt feeder				Electromagnetic feeder			
Power requirements	200 Vac to 240 Vac +10% –15%, single phase, 50/60 Hz, 750 VA							
Air requirements	0.4 Mpa to 0.6 Mpa, 400 L/min (ANR)							
Mass	600 kg							

Common Specifications

Accuracy ($\bar{X}$) Note 1	0.5 g to 3 g	Operating environment	0°C to 40°C (variation not to exceed 5°C/h to maintain accuracy), Relative humidity 30% to 85%, non-condensing
Scale interval	0.1 g		
Maximum weighing volume Note 1	1500 mL (single discharge)	Protection class	IP66 Note 2
Display	10.4-inch color TFT LCD	Exterior	Stainless steel (SUS304)
Operation method	Touch panel	Note 1: Changes according to product shape, conditions, etc. Note 2: Waterproof protection class is equivalent to IPX6. Dustproof protection class is equivalent to IP6X excluding negative pressure condition and weighing unit.	
Preset memory	Maximum 100		

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- 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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