Product Brochure

May 2016

Anritsu

Built-In Multi-Lane Weighing System

From foods to precision

Anritsu's Built-In Multi-Lane Weighing Systems allow integration of high precision weighing capabilities into an existing production process with a 30-mm-wide load cell which achieves a maximum accuracy of ± 0.002 g.

Add weighing capabilities while maintaining production capacity

Anritsu focused on zero-point adjustment frequency, which can be a cause of decreasing production capacity. With our cutting edge technologies and significant experience in checkweighers, we have developed an even more sophisticated force balance load cell. It features an enhanced vibration and temperature resistance, which will lead to increased productivity.

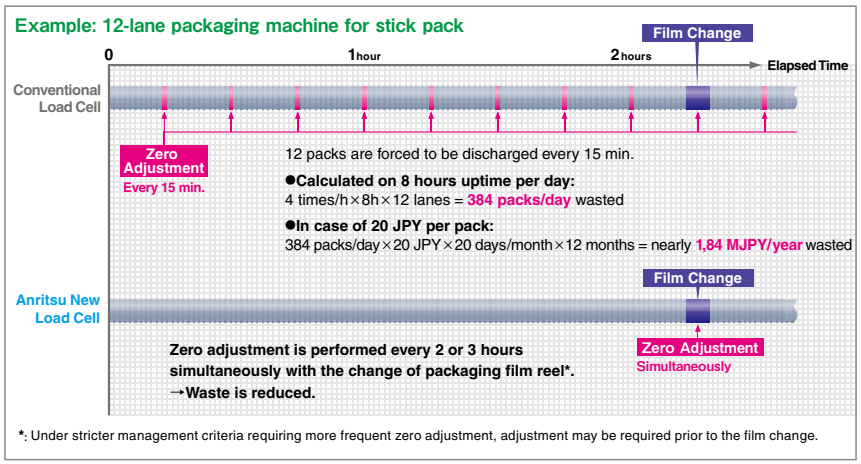
components —

Ideal for narrow pitch weighing of small items

The 30-mm-wide load cell achieves 33-mm conveyor pitch, allowing for optimum configuration in a limited floor space. All units can be connected via one cable, further enhancing the ease of integration.

Maximize production capacity

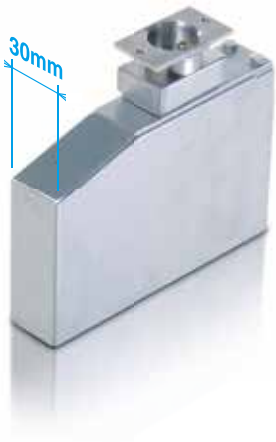
Featuring improved resistance to external effects, the load cell is 90 percent less susceptible to vibration and temperature change compared to conventional systems. The new load cell requires zero adjustment only once in a couple of hours while conventional systems required every 15 minutes, resulting in reduced product waste.



High accuracy and stability

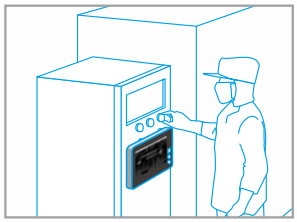
With its accumulated expertise in checkweighers, Anritsu has developed a new load cell that ensures high accuracy and repeatability with 30-mm-wide compact body.

- 30 mm slim design
- ±0.002g weighing accuracy
- Overload protection



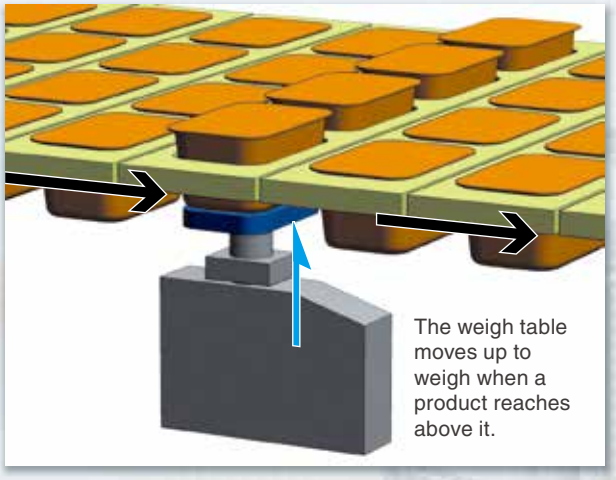
Help fill level adjustment

Large, easy to read display of measured values and deviation bar graphs allow for intuitive fill level adjustment. The high installation flexibility of the indicator further enhances the efficiency of filling.



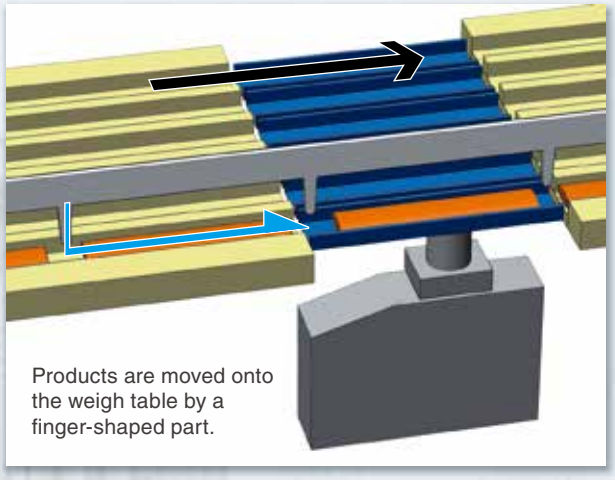
Installation Examples ›››

Conveyor system



The weigh table moves up to weigh when a product reaches above it.

Finger transfer



Products are moved onto the weigh table by a finger-shaped part.

Compact design and simplified connection

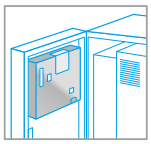
The indicator, controller, and weighing unit come in compact design, which saves a valuable installation space. All units can be connected via one cable, ensuring the ease of installation.

Indicator

110 mm slim design for space saving installation

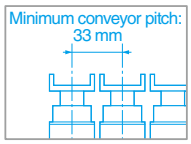
Controller

Can be connected with the indicator and weighing unit via one 10-mm-diameter cable. Compatible with CC-LINK.



Weighing unit

Advantages include narrow conveyor pitch for easy integration and high adaptability to various shapes of weigh tables.



Product Range

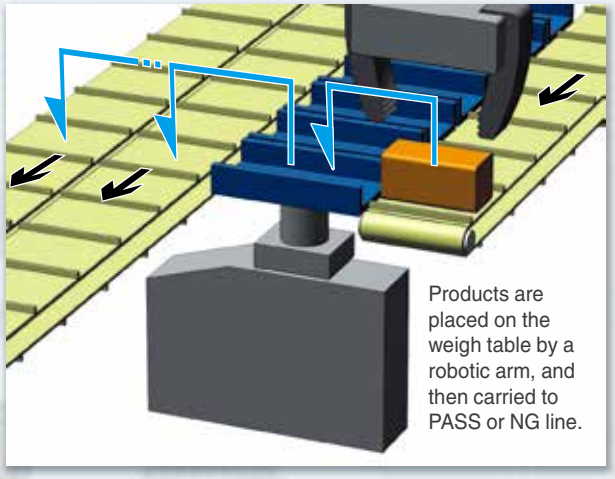
Built In

For integration into filling or packaging systems. Allow for space-saving line configuration.

Stand Alone

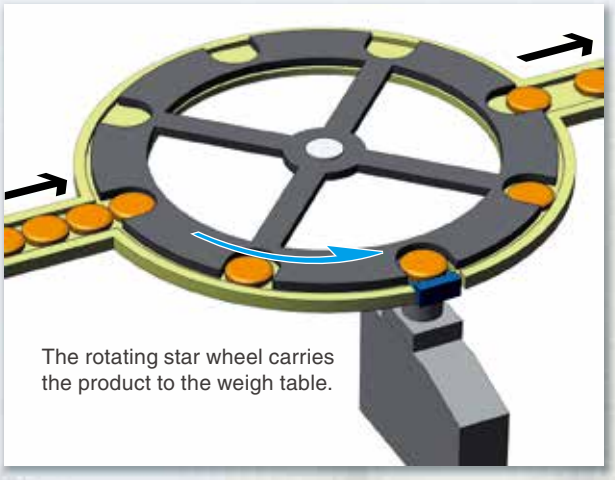
Independent controller and indicator for flexible operation.

Robotic Arm Conveyor



Products are placed on the weigh table by a robotic arm, and then carried to PASS or NG line.

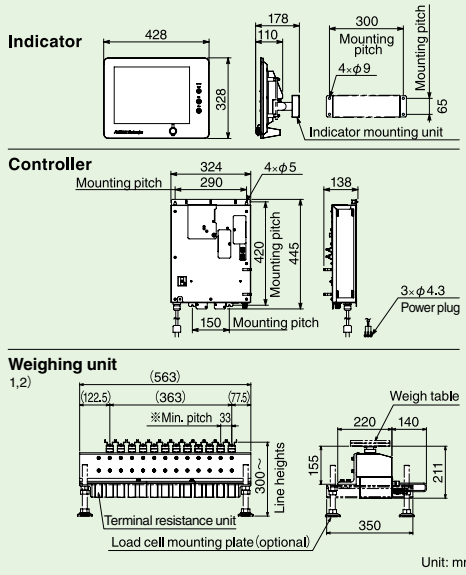
Star Wheel Conveyor



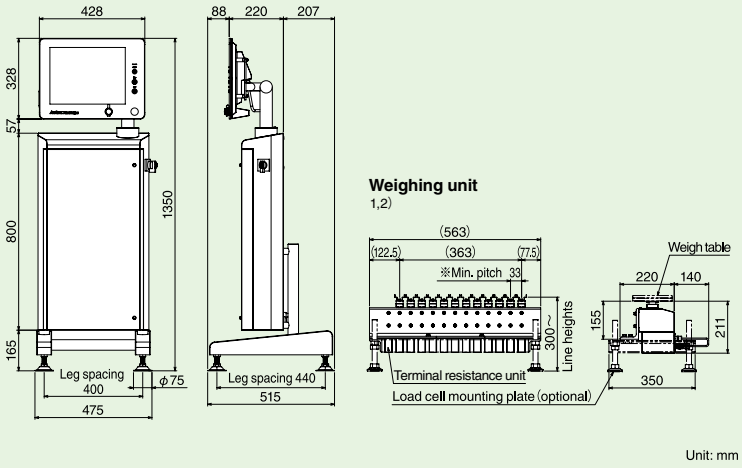
The rotating star wheel carries the product to the weigh table.

External View

KWS9006ANxx / KWS9005ANxx



KWS9006APxx / KWS9005APxx



1: Dimensions of weighing unit is for 12 lanes.
2: Shapes of weigh table and load cell mounting plate differ depending on the specifications.

Specifications

Model [1]	KWS9006ANxx	KWS9006APxx
Weighing range	0.1 to 50g	
Scale interval	0.001g	
Throughput [2]	100 products/min per lane	
Accuracy (3σ) [2]	Maximum ± 0.002g	
Display	15-inch color TFT LCD	
Operation method	Touch panel (Start, Stop, Home are direct push bottons)	
Indication range	50.090g	
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)	
Power consumption	50 to 130 VAC	
Mass	Indicator: 4 kg ; Controller: 6 kg ; Weighing unit: 1.5 kg ; Controller chassis: 40 kg	
Environmental conditions	0 to 40℃ (variation not to exceed 5 ℃ /h to maintain accuracy), relative humidity 30% to 85%, non-condensing	
Protection class	Indicator: IP50; Weighing unit: IP50	
	Controller: IP20	Controller chassis: IP50
Exterior	Indicator: SUS; Weighing unit: 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: xx indicates the number of lane.
2: Maximum weighing accuracy and throughput depend on a product to be weighed.
Note: Strain gauge load cell is also available.
Note: This device complies with part 15 of the FCC Rules.

Anritsu envision : ensure

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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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