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December 2018

/Inritsu

SSV series Checkweigher



Much more than just weighing; The SSV series provides valuable process control information.



HISTORY

Since 1964, Anritsu Checkweighers have continuously evolved.



K501 series First Anritsu checkweigher

[Main model: K501] • Maximum speed:

- 150 products/min
- Maximum accuracy: ±0.5 g



8 (Eight) series Was very successful thanks to its superior cost/performance ratio [Main model: K528]

- Maximum speed: 150 products/min
 Scale value: 0.01 g
- Maximum accuracy: ±0.05 g

Hi series



[Main model: K621B] Maximum speed: 150 products/min

Scale value: 0.005 g
Maximum accuracy: ±0.02 g

2000

SV series

With over 800 different models, SV series becomes a long-selling product for over 10 years. [Main model: KW6003BP03]

Maximum speed:

- Scale value: 0.005 g
- Maximum accuracy: ±0.015 g

g y: ±0.015 g

2011

SSV series [Main model: KWS6003BP03] • Maximum speed: 310 products/min • Scale value: 0.001 g • Maximum accuracy: ±0.01 g

Easy to follow Operation guidance Page 5 Enhanced intuitive navigation functions including Smart Guide make daily usage and maintenance simple.

55



Enhanced accuracy and stability New force balance

Minimum scale value is 0.001g. Maximum accuracy is ±0.01g. Resolution quadrupled^{*}. Temperature resistance improved.



Easy to use

Color LCD touch screen interface

8.5" color LCD touch screen interface significantly improves daily use. System has 6 selectable display modes.





Useful features USB interface Ethernet interface Equipped as standard

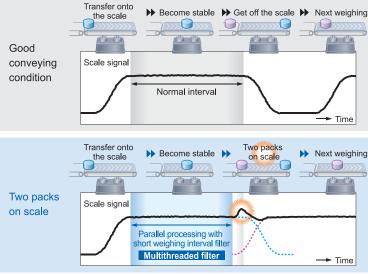
SM

Anritsu proprietary technology

Smart Measurement Function minimizes double product errors by using multi-threaded filters, achieving high accuracy.

Point

Accurate weighing

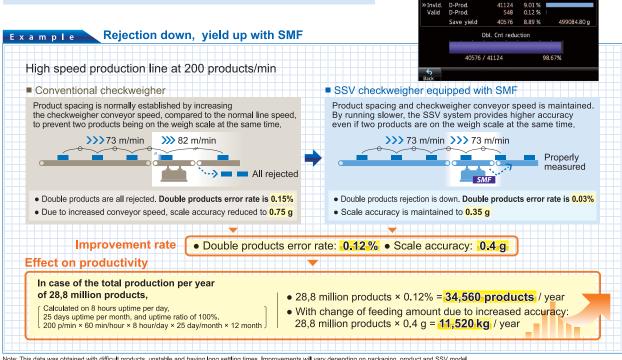


Conventional checkweighers use the weigh cell signal, after signal processing, to determine the weight of each product as it passes over the weigh table. If two packs are on the weigh table at the same time, a "double product error" will occur and the system is forced to reject both products since each individual product weight cannot be determined. Anritsu SSV series checkweigher advancements use innovative signal processing, multithreaded filtering, in conjunction with improved scale resolution to minimize "double product errors". This simultaneously minimizes unnecessary rejects and maximizes line productivity.

456421

SME

2012-03-29 ____2



Improved Productivity

Note: This data was obtained with difficult products, unstable and having long settling times. Improvements will vary depending on packaging, product and SSV model.

Point Smart Guide makes operation easy and avoids operator errors.



Navigation and Supervision

For checkweighers to function properly, operation checking must be performed correctly at each stage of the daily operation: at start-up, during production, and at the end of production. These procedures, although necessary, are not always strictly followed due to the time and effort involved.

Smart Guide navigates operation check and maintenance procedures in an easy-to-understand format. Moreover, when a procedure was performed incorrectly, Smart Guide will not allow to proceed further, ensuring correct operation management.

E-Daily Report

All checkweigher weight data and operation check (audit) records are saved local on the SSV checkweigher. At the end of production, the data and operation check log can be sent via **E-Reports**. The elimination of manual data collection minimizes possible errors and makes data and log management simple and efficient.

Point

Product Registration Navigation simplifies parameter setting procedures with step-by-step illustrated instructions.



<complex-block><complex-block>

On-screen illustrations help you understand each key procedure and are listed in a "step-by-step" methodology. If performed improperly, the navigation stops for corrective action.



Operation Operation Guidance

Easy to follow

Operator-oriented, easily navigated menu structure

SSV series checkweigher

responds to issues arising from different positions.

We've increased the conveyor speed to prevent two packs getting on the scale simultaneously. Is this Okay ?

Maintain appropriate belt speed with SMF.

Increasing the conveyor speed is not a recommended approach since when the flow increases, the weighing period decreases, which decreases weighing accuracy. With SMF, which minimizes weighing errors caused by two packs getting on a scale simultaneously, you can realize accurate weighing at proper speeds.

Operators

I use a checkweigher everyday. Ease of use is critical.

Α

All SSV series checkweighers come with a color LCD touch screen.

The SSV's standard 8.5 inch color LCD touch screen greatly enhances usability and system navigation. 6 standard view screens are available to quickly see product weight or trending information.

It's a bother to fill in daily reports everyday !

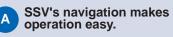


You can create e-Report with Smart Guide.

The SSV checkweighers save the entire operation history onto themselves. At the end of the production, those can be output in a CSV file.



I don't want to read thick manuals, nor do I want to keep them in the facility.



With SSV's intuitive navigation, product creation and changes are quick and easy. Manuals are not required and simplicity minimizes user errors.

The navigation system also greatly aids for data collection and HACCP compliance.

Learning new equipment can take a lot of time.



Smart Guide minimizes training effort.

Smart Guide navigation guides the user through basic system operation. Even inexperienced operators can quickly learn the system by following the on-screen instructions.



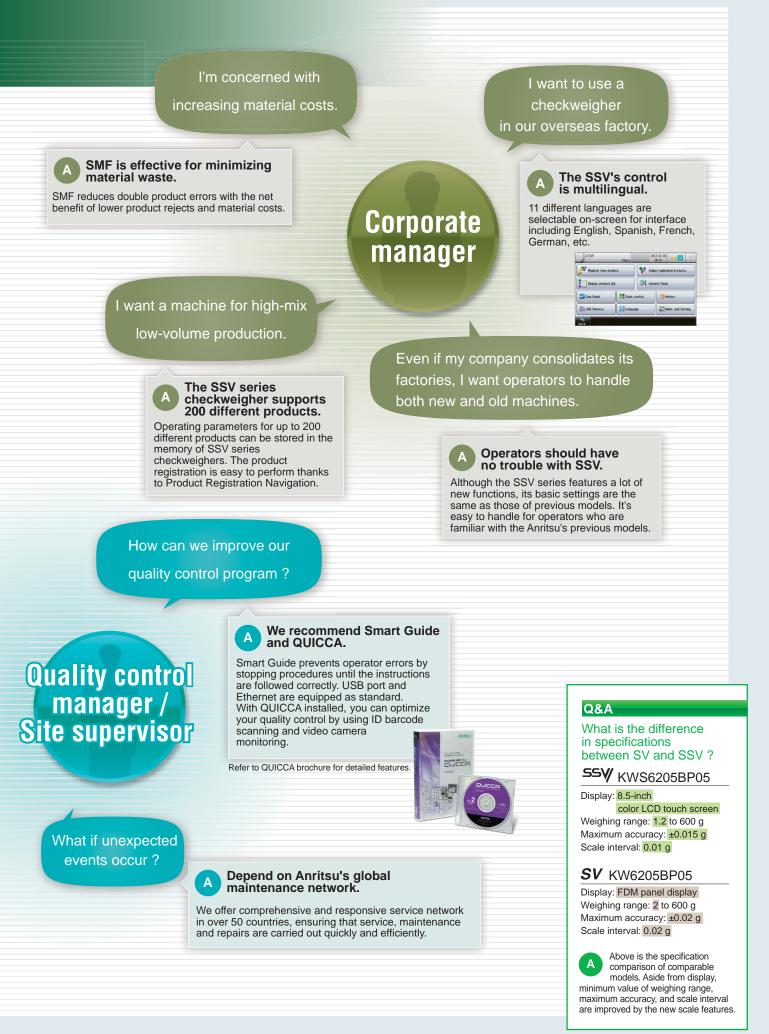
IP66 rated waterproof models are suitable.

SSV series has a wide lineup with different modules. Waterproof models are suitable for wet environment.

The open frame structure allows for easy cleaning.

Can we use a checkweigher in wet environment?





Lineup

High Accuracy

SSV-h series

Equipped with a high speed/high accuracy force balance load cell. Meets stringent accuracy and reliability standards in industrial and pharmaceutical products.

Control panel exterior	🗹 Stainless steel	Painted
Conveyor	Waterproof	Non waterproof
Balance	Force balance	Strain gauge
Frame	🗹 Stainless steel	Painted



SSV-i series

Features waterproof and dustproof cabinet and components. Its hygienic design is perfect for unpackaged and fresh foods which require stringent sanitary control.

Control panel exterior	🗹 Stainless steel	Painted
Conveyor	✓ Waterproof	Non waterproof
Balance	Force balance	🗹 Strain gauge
Frame	🗹 Stainless steel	Painted



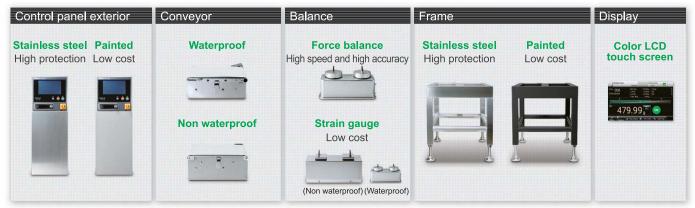
SSV-f series

Equipped with a highly versatile strain gauge load cell. Well suited for a variety of applications including heavy products.

Control panel exterior	🗹 Stainless steel	Painted
Conveyor	Waterproof	Non waterproof
Balance	Force balance	🗹 Strain gauge
Frame	🗹 Stainless steel	Painted

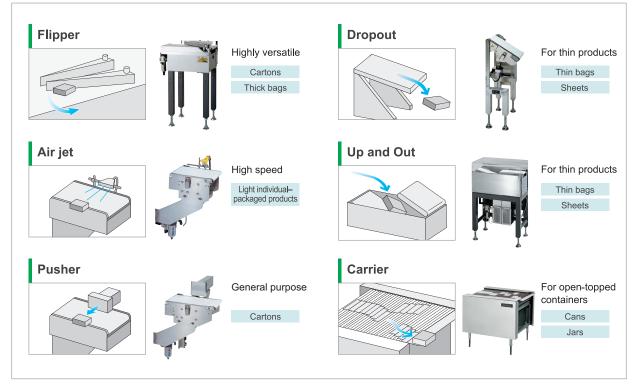
Refer to separate catalogs for specifications.

Unit construction Select the best combination





Rejector



SSV series Checkweigher



with Metal Detector

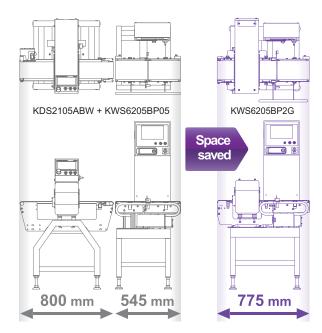


Compact and Reliable Inspection

Reduced space requirement

Minimum system length of 775 mm

Possessing an extremely small foot print, line space requirements are minimized and line integration is simplified.



Simplified Operation User-friendly single touch screen

Both metal detector and checkweigher are controlled by the standard touch screen control panel.





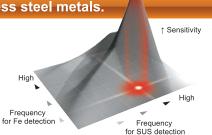
Simplified Support

A single source technology, support and service provider ensures equipment consistency and reliability for the life of the system.

Anritsu's exclusive "dual-wave" technology

Proper frequency is chosen for ferrous, non-ferrous and stainless steel metals.

Since metals respond differently to different magnetic field frequencies, it is difficult for conventional single frequency systems to detect both ferrous and non-ferrous metals. Anritsu has patented a dual-frequency inspection system, which automatically determines the best frequencies to maximize sensitivity for both ferrous and non-ferrous metals simultaneously.



Two Different Detection Heads

High sensitivity and functionality M6-h and M5.

High Sensitivity M6-h

Entry

M5

Anritsu's unique dual-wave detection technology minimizes product effect to deliver high performance and stability. The M6-h is the next evolution of the industry's first simultaneous 2 frequency detection systems.

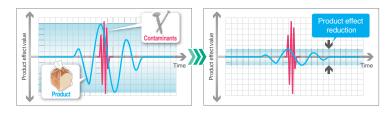
Built-in support features - Product Registration Navigation and Troubleshooting Help Screens - improve productivity and accuracy.



Features of M6-h series

Advanced Digital Signal Processing

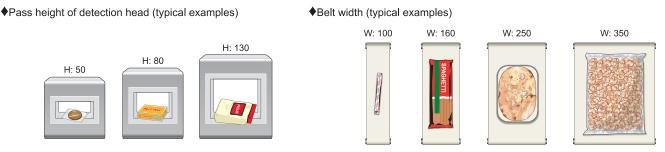
Built-in digital signal processing (patent pending) better isolates product effect and minimizes its impact on detection. Outstanding detection made easy.



Vibration and electrical noise resistant

Metal detectors look for fluctuations within magnetic fields when the product passes through the detector head. Since the magnetic fields are affected by external sources such as floor vibration and inverters from nearby machines, a metal detector must be designed to handle these challenges. With this in mind, Anritsu's detection heads are designed to provide high sensitivity without sacrificing repeatability and reliability.

A wide size range for various applications



*The illustrations are examples of available applications only.

Dual-Lane Checkweigher





Optimize Your Production Line Efficiency

For tubes, pouches, and flow wrapped products Ideal for dual-lane filling and packaging lines

Ideal for dual-lane filling and packaging lines for tubes, pouches, and flow wrapped products. Various weighing ranges, and conveyor lengths, widths and pitches available.

Same functions as single-lane checkweighers and excellent ease of use

Simple operation by a single indicator

• Operates each lane independently with just one indicator to meet daily production requirements.

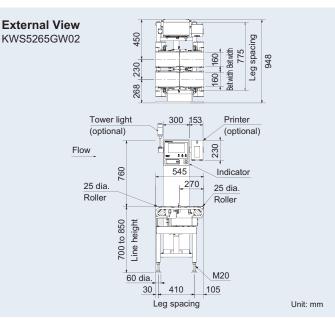
• Statistical display of average weight and weight variations help the operator understand production trends for optimizing filling processes.





• Smart Measurement Function avoids double product error, minimizing unnecessary rejects and thereby maximizing line productivity (see page 4 for details).

 Advanced load cell ensures accuracy and repeatability as high as those of single lane checkweighers.



ΝΟΤΕ

Anritsu envision : ensure

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