



Shanghai Shigan

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Shigan is a professional manufacturer of checkweighers. we provide fast and accurate checkweighers for automatic packaging production lines in various industries. [SHIGAN checkweigher](#) has a number of checkweigher patents and obtained international CE certification. Shigan checkweigher adopts a continuous dynamic automatic weighing method to detect the weight of items with high speed and high precision. A [Checkweigher](#) is an automatic machine for checking the weight of packaged commodities. It is normally found at the off going end of a production process and is used to ensure that the weight of a pack of the commodity is within specified limits. And it can be well used with automatic packaging line equipment.

What are the types of checkweighers?

Inline checkweigher adopts a continuous dynamic automatic weighing method to detect the weight of items with high speed and high precision. Online checkweigher is mainly used for automatic weight detection on various automatic packaging lines, upper and lower line identification or weight classification selection



SG-100 Small bag packing checkweigher



SG-150 Pharmaceutical Checkweigher



SG-150H Bottled checkweigher

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SG-220 Facial mask checkweigher



SG-220 checkweigher food
industrial



SG-300 Daily necessities
checkweigher



SG-400 10KG automatic
checkweigher



SG-450 FCL online checkweigher



SG-550 Logistics checkweigher

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Specification Parameter

Type	Weighing Range	Accuracy	Division	Max Speed	Weight
SG-100	2-300g	±0.5g	0.01g	300pcs/min	60kg
SG-150	3-500g	±0.1g	0.1g	150pcs/min	60kg
SG-220	5-1500g	±0.2g	0.1g	100pcs/min	60kg+44kg
SG-300	5-3000g/5000g	±0.5-1g	0.1g	80pcs/min	80kg+44kg
SG-400	10-10000g	±1-10g	1g	50pcs/min	80kg+44kg
SG-450	0.05-20/30kg	±1g	0.1g	40pcs/min	100kg
SG-550	0.5-50kg	±20g	1g	30pcs/min	150kg
SG-D300	5-3000/5000g	±0.5-1g	0.1g	60pcs/min	60kg+150kg
SG-T300	5-3000/5000g	±0.5-1g	0.1g	30pcs/min	200kg
SG-JS150	5-500g	±0.1g	0.1g	-	240kg



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Reject machine types:

In terms of culling type,we provide the following 5 different types of cull:

Different products suitable for different ways, our company has professional technicians can choose the type of cull suitable for your products,you can contact us at any time to get professional guidance!

				
Panel turnover type checkweigher	Air-sweeping type checkweigher	Dropped type checkweigher	Push type checkweigher	Driving lever type checkweigher



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Product features:

- 1.Adopt 7/10 inch “Weilun “ touch screen, simple operation and intuitive display.
- 2.The weighing module adopts the German HBM brand
- 3.The weighing module adopts the German HBM brand.
- 4.Automatic check weight machine can be set to store 100 kinds of product detection data to facilitate users to switch to use.
- 5.With empty package photoelectric automatic detector function; conveyor belt speed is adjustable, and with automatic learning function.
- 6.The unique weighing frame structure ensures the stability of dynamic weighing data, and the weighing body is made of anti-vibration aerospace aluminum material to ensure that the machine operates in different environments.
- 7.Automatic zero tracking system to ensure reliable detection data.
- 8.The self-developed MCU system has a unique filtering algorithm to ensure the stability of the system.
- 9.The mechanical structure is simple and the failure rate is low; Adopt button conveyor belt, which is convenient for disassembly, cleaning and maintenance.
- 10.Support customized multi-language, the default is Chinese and English.
- 11.Support information transmission, such as RS485 RS232 Ethernet.

Main application industries of dynamic checkweigher for packaging line

Dynamic Checkweighing is a method of safeguarding within the packaging industries for product weights. A Checkweigher system will check the weights of products whilst in motion, rejecting any products that are over or under the set weight.The high speed and high precision of the checkweigher greatly save the cost of enterprises and provide more economical solution for the weighing operation on the production line.



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SHIGAN series of dynamic checkweighers are widely used and distributed in many industries. The assembly line automatic weighing system developed by our company is designed to solve the quality control problem of automatic weighing and inspection of packaging production lines.

(1) Packaged food industry:

Automatic dynamic checkweighing machine can solve the quality problems of packaged food net weight underweight/overweight detection, packaged food full box/full bag/full box/whole package missing parts, less loaded and more loaded detection, and packaged food packaging accessories missed loading detection.



Snacks in bags



Potato chips



Cookies



Freeze-dried fruit

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(2) Beverage industry:

The high accuracy checkweigher of the SHIGAN can detect the weight of a single bottle of beverages and drinks. In addition, a large range of weight sorting checkweighers can weigh online to detect missing parts and small quantities of the whole box. Packed products and automatically exclude them To the accumulation area of defective products.



Canned drink



Bottled drinks



Full box of drinks





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(3) Pharmaceutical and medical supplies industry:

The high-precision checkweigher can solve the inspection of whether the net weight of the medicine is qualified, the whole bottle/the whole box/the whole package/the whole bag is missing, missing parts, and medical supplies packaging list accessories missing packaging detection, manual missing packaging detection and so on.



Boxed medicine



capsule



Medical supplies



Medicine



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(4) Daily chemical and light industry:

SHIGAN high speed checkweigher for packaging line can be used for daily paper products, daily chemical cosmetics, daily detergents, daily toiletries, daily sanitary products and other daily chemical products and toys, textiles and other light industrial products, to solve online weight inspection orders The net weight of the product is qualified / unqualified, the whole box / the whole box / the whole package / the whole missing parts and missing parts detection.



Paper



Daily necessities



Toiletries



Facial mask



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(5) E-commerce and logistics industry

SHIGAN FCL inline Checkweigher is a solution to the automatic weighing and detection of e-commerce parcels for the e-commerce industry. It can be connected to automatic scanning, automatic coding, and ERP systems to realize the needs of multi-functional integration and improve the comprehensive management of e-commerce shipments.



Express delivery



Whole bag of products



FCL products



E-commerce



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(6) Hardware and building materials industry:

SHIGAN automatic check weight machine can detect all kinds of metal stamping parts, die-casting parts, processed parts, precision parts, spare parts, etc. Product quality inspection, online weighing and sorting of building materials products, and missing/less packaging of packaging products /Abnormal quality such as missing parts.



Hardware Parts



Screw



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(7) Plastic products industry

SHIGAN online weight checker can realize the detection of net weight damage of plastic parts, plastic parts, injection molded parts, plastic parts, plastic parts and other plastic products, detection of missing parts of packaging products, and detection of missing parts of multi-variety mixed packaging.



Plastic box



Pen



Headset



Toy

Shanghai Shigan Industrial Co., Ltd. is a high-tech enterprise specializing in the integration of research and development, production, design, installation, sales and after-sales of automatic checkweighers and other products. We have professional and experienced engineers with 10 years of experience in installation, commissioning and training. Our main products are automatic checkweighers, multi-level checkweighers, conveyor belt checkweigher systems, metal detectors, checkweighers and metal detectors, and other online dynamic checkweighing equipment. Our company's checkweigher accepts private customization, please feel free to [contact us](mailto:john@checkweigher-sg.com) for more details!