

Food and Pharmaceutical Industry Contamination Inspection Solution



- X-Ray Inspection Solution
- Metal Detection
- Checkweigher



Innovation



High Efficiency



Cost Save



Good Service

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About TTPACK



Conducting the philosophy of developed and manufactured in Vietnam with world quality, TTPACK strictly adhere to high indicators and quality to help customers create more value, by providing international advanced intelligent detection technology and system solutions.

- National New Technology Enterprise.
- Focus on high-resolution intelligent identification and detection technology.
- Transformation of advanced technological achievements of Vietnam Institute of Atomic Energy.
- The TTPACK core team has nearly 20 years of experience in the field of X-ray inspection.
- The company owns dozens of intellectual property rights.
- High-tech Enterprise.



Checkweigher

Automatic dynamic checkweighers are widely used in production lines, using sensors placed under the conveyor belt on the weighing platform to measure the weight of moving objects.



X-RAY Inspection System

Metal Detector

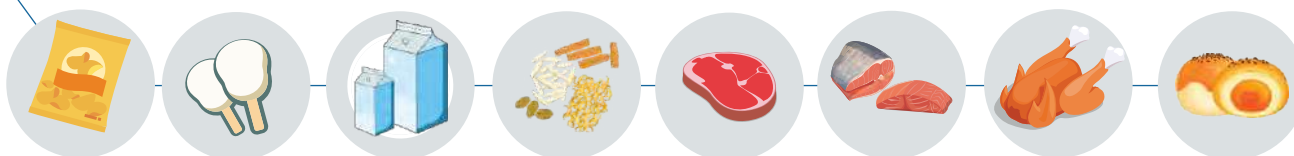
Checkweigher

Features

- Designed to increase productivity.
- High-speed sampling control makes equipment faster and more accurate.
- 10 inch large color touch screen, easy to use human-machine interface, independent operation within 3 minutes.
- Strengthen stainless steel structure, optional IP65-67 waterproof machine.
- Multiple product preset functions, simple and fast to switching products.
- Modular structure makes disassembly and installation simple, easy to maintain and easy to clean.
- Adjustable speed and frequency.
- Zero tracking: can be cleared by hand or automatically, as well as dynamic zero tracking.

Application

• Applied to automatic weighing and sorting of various industries.



Specification

Model	VWD-1528-300G	VWD-1528-600G	VWD-2235-1500G	VWD-2245-1500G	VWD-2245-3000G	VWD-3055-3000G	VWD-4060-6000G
Weigh Range	2 - 300 g	2 - 600 g	5 - 1500 g	5 - 1500 g	5 - 3000 g	5 - 3000 g	5 - 6000 g
Highest Accuracy*	±0.2g	±0.3g	±0.5g	±0.8g	±1g	±1.5g	±2g
Resolution	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g
Weighing conveyor Length	280 mm	280 mm	350 mm	350 mm	450 mm	550 mm	600 mm
Conveyor belt width	150 mm	150 mm	220 mm	220 mm	220 mm	300 mm	400 mm
Conveyor speed	≤ 80 m/min	≤ 80 m/min	≤ 80 m/min	≤ 80 m/min	≤ 80 m/min	≤ 60 m/min	≤ 60 m/min
Culling mode	Pusher, Airjet			Flipper, Pusher, Dropout etc			
Conveyor height	800±50mm						
HMI	10-inch touch screen						
OS	Embedded RTOS						
IP Grade	Ip54						
Material	SUS 304						
Communication interface	USB/ Network port /RS232 serial port /RS485/4G remote/unattended production line Support (Optional)						
Max speed	230 piece/min	200 piece/min	160 piece/min	120 piece/min	120 piece/min	80 piece/min	60 piece/min
Product recipe storage	200 Groups						
Product length	50 ~ 190 mm	50 ~ 190 mm	50 ~ 240 mm	50 ~ 300 mm	50 ~ 300 mm	50 ~ 380 mm	50 ~ 400 mm
Weight (KG)	110	110	120	110	110	120	135

*The detection accuracy depends on the on-site environment and the weight, size, and characteristics of the product being weighed.



Metal Detector and Checkweigher Combination

The metal detection weighing integrated machine is a device that combines metal detection and weighing functions, aimed at ensuring product quality and compliance. It is capable of simultaneously detecting metal contaminants in products and weighing them, effectively identifying any potential quality issues. This equipment has high sensitivity and accuracy, capable of detecting tiny metal particles and accurately measuring the weight of products.



Features

- **Versatility:** Integrates multiple product inspection modes, including dry, wet, salt-containing, and aluminum-coated products, suitable for various scenarios.
- **Multi-frequency Combination:** Built-in with four frequencies, allowing real-time synchronous detection with any dual-frequency combination to ensure optimal detection frequencies for both iron and steel.
- **Automatic Learning:** Learning completed after two passes of good products, automatically calculating phase and other parameters without the need for manual adjustment of complex settings.
- **Effect Suppression:** Special algorithm for suppressing subtle product effects, effectively suppressing heavy salt-containing product effects to ensure detection accuracy.
- **Easy Operation:** Equipped with a color LCD touchscreen, featuring an intuitive and convenient human-machine interface with synchronized display of four frequencies data.
- **Stability and Reliability:** Utilizes waterproof variable-speed motors and overall sealing technology for the probe, ensuring stable and reliable operation with SGS IP66 certification.
- **Built-in Frequency Hopping:** Microscopic frequency hopping technology can counter interference from large electrical equipment such as on-site packaging machines, reducing false alarms.
- **Flexible Expansion:** Embedded operating system within the mainboard supports expansion via USB, printer, and network communication.

Specification

Model	VMW-C2512-4522-1200G V	VMW-C3031-3055-3000G V	VWM-C3012-3055-3000G	VMW-C4012-4060-3000G
Weigh Range	1200g	3000g	3000g	3000g
Maximum dynamic weighing accuracy*	±0.8g	±1.5g	±1.5g	±2g
Optimal metal detection accuracy*	Fe Ø 0.4mm SUS Ø 0.8mm	Fe Ø 0.5mm SUS Ø 1.0mm	Fe Ø 0.5mm SUS Ø 1.0mm	Fe Ø 0.6mm SUS Ø 1.0mm
Maximum detection speed	120piece/min	80piece/min	80piece/min	60piece/min
Dimensions(W* H)	250mm*220mm	300mm*100mm	300mm*120mm	400mm*120mm
Size of weighing table (L* W)	450mm*220mm	550mm*220mm	550mm*300mm	600mm*400mm
Conveyor belt height	800±50mm			
Product recipe storage	200 Group			
Culling mode	Flipper, Pusher, Airjet etc.			
HMI	10-inch touch screen			
OS	Embedded RTOS			
IP Grade	Ip54			
Material	SUS 304			
Communication interface	USB/ Network port /RS232 serial port /RS485/4G remote/unattended production line Support (optional)			

*Detection accuracy depends on the site environment and the weight, size and characteristics of the product being weighed.

● Rejector

The sorting machine is used together with the food foreign matter detection system. The contaminants detection system provides an alarm signal to control the rejector to remove the defective products from the conveyor line and avoid flowing into the next production link.

Use cylinder or electric cylinder drive, a variety of sorting methods are optional, suitable for a variety of products.

High precision, eliminate fast, improve the qualified rate of products, reduce user complaints.

Reinforced stainless steel frame with high waterproof rating.

All contact parts are made of food grade materials to ensure that the product is not contaminated.

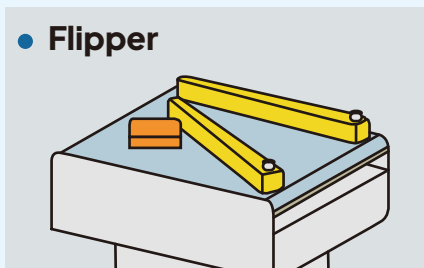
Used in all kinds of automatic assembly line and logistics conveying system.

Widely used in pharmaceutical, food and other industries online sorting.

It can directly replace manual sorting to improve production efficiency and reliability.

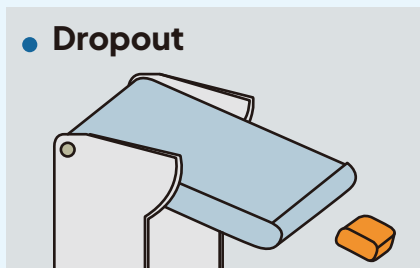
■ Type of Rejectors

● Flipper



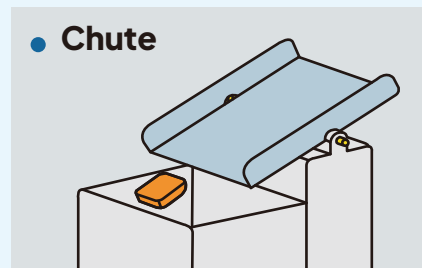
Use left and right swinging arm to sort the product under test, suitable for thicker products.

● Dropout



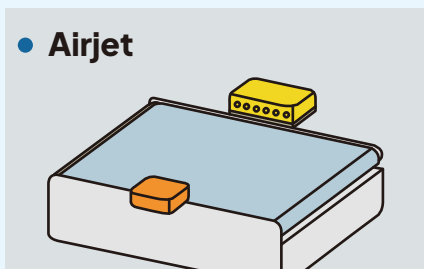
Use up and down swinging conveyor to sort the products under test, suitable for lighter products.

● Chute



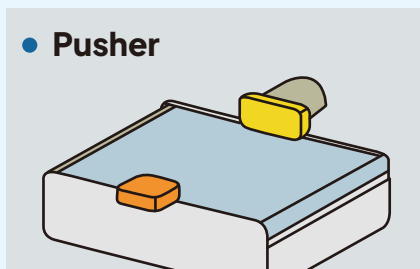
Use an up-and-down flip plate to sort the product under test, suitable for bulk food.

● Airjet



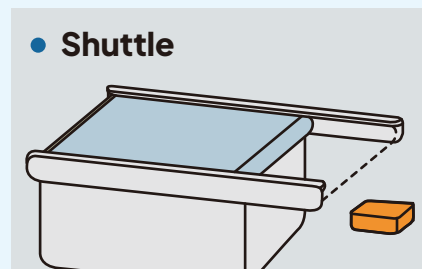
Use high pressure air to separate the tested products, suitable for light food or bulk food.

● Pusher



The push rod driven by the cylinder is used to sort the product under test, which is suitable for medium and large packaging products.

● Shuttle



Use a telescopic conveyor to sort the product under test, suitable for small packaging or sticky bulk food