

Food and Beverage Industry Contamination Inspection Solution

- Automatic Check Weigher



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.**

● Automatic Check Weigher

TTPACK's FA-CW series Dynamic Checkweighers are easy to use with intuitive full color touch screens as well as offering fast inspection and product set up. Automatically optimising the systems for each product type allowing you to learn and switch within minutes.

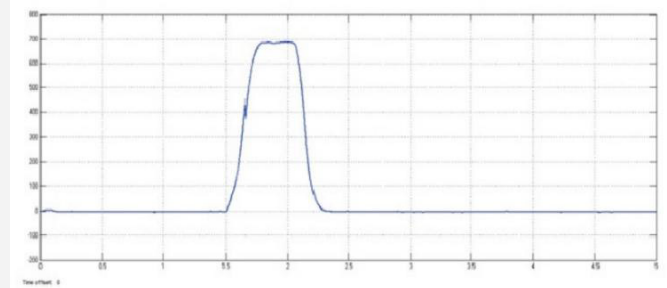
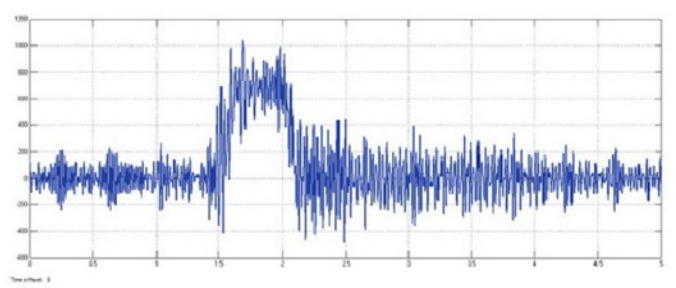
TTPACK Checkweighers are made for products ranging from small and light sachets right through to heavy weight boxes; which have been widely applied in various industries like: meat&poultry processing, sea food, bakery, nuts, vegetables, pharmacy, cosmetics, etc.

With a TTPACK-tech checkweigher customized to your specifications, you can depend on accurate weight control, maximized efficiency, and consistent product throughput, even in rugged industrial environments. We will keep your line moving toward maximum productivity at all times.





TTPACK has developed a highly sophisticated detection algorithm platform, to meet the HIGH-RESOLUTION detection requirements of the food and beverage industry.



Original Data

After the Algorithm

Easy for Setup or Troubleshoot

- Data communication to printer or computer (USB Port, Ethernet by Modbus TCP/IP, RS232, RS485, ect.)
- Available to control external equipment by input & output interface, options. (barcode scanner, inkjet printer, metal detector, filling machine, etc).
- When communication is set as print and checkweigher is connected to the printer, the weighing data records can be printed on the interface of statistic result or by sending the print order via communication.

Well-Organized Data Management

- A million data details record including time, date and result for admin to check error.
- Data summary report can be exported through USB or Ethernet Port.
- Weight fluctuation chart reflects the product' weight conditions from the macro perspective.

User-Friendly Design

- Icon driven full color touchscreen control interface, intuitive and simple operation.
- Multilevel password protection for secure access and traceability.
- Switch Products in Seconds with a Library of Stored Products: up to 100 product calibration details are stored in memory ready for fast product recall using multiproduct menus.
- Advanced and sophisticated software algorithm makes sure the high accuracy, as well as high speed dynamic responses.



● 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.

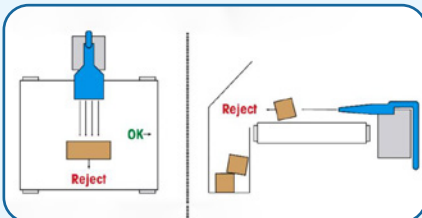
Used in all kinds of automatic assembly line and logistics conveying system.

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

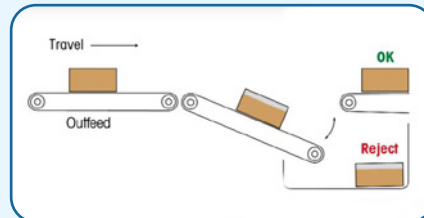
It can directly replace manual sorting to improve production efficiency and reliability.

■ Type of Rejectors

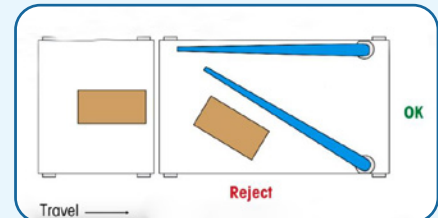
● Air Blast



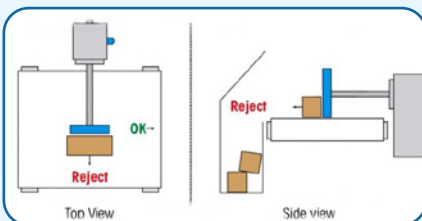
● Drop Down



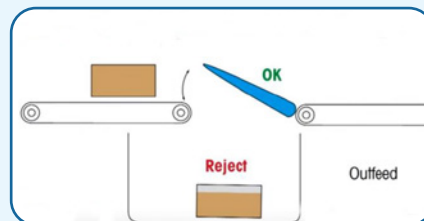
● Flipper



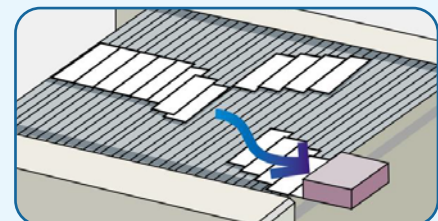
● Pusher



● Drop Up



● Slide Carrier



High Accuracy High Speed Dynamic Checkweighers



It accommodates line speeds up to 300 packages per minute, while providing reliable high-speed weighing, control and reject functions for sachets, pouches, bars and bags in dry or wet environments, and meet or exceed a variety of regional and international standards.

Proprietary software with advanced automatic-zero algorithms ensure accuracy standards are maintained over time, regardless of environment.

FA-CW160H
FA-CW230H



Advantages

- The TTPACK High Speed Checkweigher meet or exceed a variety of regional and international standards. With advanced ultra-fast dynamic weight tracking and automatic compensation technology effectively improve the detection of stability.
- Frame designed to minimize flat surfaces and slots, reducing dust or residue buildup. Rapid-release conveyors and belts eliminate need for tools to remove or replace. Tool-less thumb screw adjusts belt tracking.
- Brushless motors & proven conveyor components designed for reliable 24/7 operation.
- Easy-to-read color touch screens; Configurable security access levels; Intuitive menu operation; Modular electronic design allows easy repair if needed.
- Building on a foundation of standard features, TTPACK Metal Detectors can be configured to create cost-effective solutions for the most challenging applications. A wide variety of product handling and reject hardware and software.
- Precise and reliable weighing results to increase plant efficiency; Very good price-performance ratio; Demand-oriented product options.

Specification

Model	FA-CW160H	FA-CW230H
Weight Range	3-200g	3-200g
Minimum Scale	0.01g	0.01g
Best Accuracy(3σ)	±0.1g	±0.1g
Max Throughput	300pcs/min	250pcs/min
Max Speed	80m/min	80m/min
Weigher Platform Size(WxL)	160x200/250/300mm	230x250/350/450mm
Belt Width	150mm	220mm
Line Height Options	750+100mm(can be customized)	
Belt Type	PU Anti-static	
Supply Voltages	220V/1P 50/60Hz	
Air Supply	5-8bar(10mm outside dia)	
Product Memory	100	
Material of Construction	304 Brushed stainless steel	
Temperature Range	-10 to 40° C (14 to 104° F)	
Humidity	0 to 95% Relative Humidity (Non-condensing)	
Software Language	English(Spanish/French/Russian, etc optional)	
Data Retrieval	Via USB Port/Ethernet Port	
Certificates	CE/ISO9001/ISO14001	

Remarks: The sensitivity mentioned above namely is the result of sensitivity by detecting only the test sample on the belt. Listed here are just a part of our entire product line. We offer a range of Metal Detectors to meet different size of applications.

Economy In-line Checkweighers



It is the ideal economic solution for numerous weighing applications, completeness checks and filling process optimization. The checkweigher is extremely user-friendly, is selected according to needs and thus reduces procurement costs. With an automatic learning function for simple commissioning and setting of the weighing parameters without in-depth knowledge of the equipment.

Customers have the choice between FA-CW300 for product weights of up to 4kg and FA-CW450 for product weights of up to 10kg

FA-CW300
FA-CW360
FA-CW450



Advantages

- The TTPACK High Speed Checkweigher meet or exceed a variety of regional and international standards. With advanced ultra-fast dynamic weight tracking and automatic compensation technology effectively improve the detection of stability.
- Frame designed to minimize flat surfaces and slots, reducing dust or residue buildup Rapid-release conveyors and belts eliminate need for tools to remove or replace Tool-less thumb screw adjusts belt tracking.
- Brushless motors & proven conveyor components designed for reliable 24/7 operation.
- Easy-to-read color touch screens; Configurable security access levels; Intuitive menu operation; Modular electronic design allows easy repair if needed.
- Building on a foundation of standard features, TTPACK Metal Detectors can be configured to create cost-effective solutions for the most challenging applications. A wide variety of product handling and reject hardware and software.
- Precise and reliable weighing results to increase plant efficiency; Very good price-performance ratio; Demand-oriented product options.

Specification

Model	FA-CW300	FA-CW360	FA-CW450
Weight Range	5-1000g	10-4000g	10-10000g
Minimum Scale	0.1g	0.1g	1g
Best Accuracy(3σ)	±0.3g	±0.3g	±1g
Max Throughput	150pcs/min	120pcs/min	80pcs/min
Weigher Platform Size(WxL)	300x350/450/550mm	360x450/550/800mm	450x550/700/800mm
Line Height Options	750+100mm(can be customized)		
Belt Type	PU Anti-static		
Supply Voltages	220V/1P 50/60Hz		
Air Supply	5-8bar(10mm outside dia)		
Product Memory	100		
Material of Construction	304 Brushed stainless steel		
Temperature Range	-10 to 40° C (14 to 104° F)		
Humidity	0 to 95% Relative Humidity (Non-condensing)		
Software Language	English(Spanish/French/Russian, etc optional)		
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High Load End-of-line Checkweighers for Large Cases, Bags, Cartons



TTPACK offers a complete range of high capacity checkweighers for a wide range of applications, including end-of-line completeness checks and weighing of large bags and containers in the construction materials- and chemical

FA-CW500
FA-CW600
FA-CW700



Advantages

- The TTPACK High Speed Checkweigher meet or exceed a variety of regional and international standards. With advanced ultra-fast dynamic weight tracking and automatic compensation technology effectively improve the detection of stability.
- Frame designed to minimize flat surfaces and slots, reducing dust or residue buildup Rapid-release conveyors and belts eliminate need for tools to remove or replace Tool-less thumb screw adjusts belt tracking.
- Brushless motors & proven conveyor components designed for reliable 24/7 operation.
- Easy-to-read color touch screens; Configurable security access levels; Intuitive menu operation; Modular electronic design allows easy repair if needed.
- Building on a foundation of standard features, TTPACK Metal Detectors can be configured to create cost-effective solutions for the most challenging applications. A wide variety of product handling and reject hardware and software.
- Precise and reliable weighing results to increase plant efficiency; Very good price-performance ratio; Demand-oriented product options.

Specification

Model	FA-CW500	FA-CW600	FA-CW700
Weight Range	0.1-25Kg	0.1-50Kg	0.1-50Kg
Minimum Scale	1g	1g	1g
Best Accuracy(3 σ)	$\pm 10g$	$\pm 15g$	$\pm 20g$
Max Throughput	40pcs/min	35pcs/min	35pcs/min
Weigher Platform Size(WxL)	500x600/800mm	600x1200	700x1200
Line Height Options	750+100mm(can be customized)		
Belt Type	PU Anti-static		
Supply Voltages	220V/1P 50/60Hz		
Air Supply	5-8bar(10mm outside dia)		
Product Memory	100		
Material of Construction	304 Brushed stainless steel		
Temperature Range	-10 to 40° C (14 to 104° F)		
Humidity	0 to 95% Relative Humidity (Non-condensing)		
Software Language	English(Spanish/French/Russian, etc optional)		
Data Retrieval	Via USB Port/Ethernet Port		
Certificates	CE/ISO9001/ISO14001		

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Multi-Lane Checkweigher



The weighing systems have stable transfer and high accuracy measurement for slim, small diameter bottles including nasal drops, eye lotions, and cosmetic products that are difficult to transfer in an upright position.

FA-ML-CW60
FA-ML-CW100



Advantages

- The TTPACK High Speed Checkweigher meet or exceed a variety of regional and international standards. With advanced ultra-fast dynamic weight tracking and automatic compensation technology effectively improve the detection of stability.
- Frame designed to minimize flat surfaces and slots, reducing dust or residue buildup Rapid-release conveyors and belts eliminate need for tools to remove or replace Tool-less thumb screw adjusts belt tracking.
- Brushless motors & proven conveyor components designed for reliable 24/7 operation.
- Easy-to-read color touch screens; Configurable security access levels; Intuitive menu operation; Modular electronic design allows easy repair if needed.
- Building on a foundation of standard features, TTPACK Metal Detectors can be configured to create cost-effective solutions for the most challenging applications. A wide variety of product handling and reject hardware and software.
- Precise and reliable weighing results to increase plant efficiency; Very good price-performance ratio; Demand-oriented product options.

Specification

Model	FA-ML-CW60	FA-ML-CW100
Weight Range	0.5-100g	0.5-100g
Minimum Scale	0.01g	0.01g
Best Accuracy(3 σ)	$\pm 0.05g$	$\pm 0.05g$
Lanes	2-12	2-12
Max Throughput	70pcs/lane/min	70pcs/lane/min
Weigher Platform Size(WxL)	60x300	100x300
Line Height Options	750+100mm(can be customized)	
Belt Type	PU Anti-static	
Supply Voltages	220V/1P 50/60Hz	
Air Supply	5-8bar(10mm outside dia)	
Product Memory	100	
Material of Construction	304 Brushed stainless steel	
Temperature Range	-10 to 40° C (14 to 104° F)	
Humidity	0 to 95% Relative Humidity (Non-condensing)	
Software Language	English(Spanish/French/Russian, etc optional)	
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Combination System



The FA-CMC model is synonymous with high precision weighing in combination with extremely sensitive metal detection for optimal performance. It is a practical combination of inspection technologies in the interests of increased consumer safety and provides scales and metal detector in one space-saving unit, which can be operated from one HMI and easily integrated as part of any line.



FA-CW300
FA-CW360
FA-CW450

Advantages

- Fully Improved performance is achieved by our unique and exclusive "multi-filtering algorithm and X-R orthogonal decomposition algorithm" technology. This new technology adjusts the metal detector optimally to the product and enables the user to detect metal even in 'difficult' products.
- Frame designed to minimize flat surfaces and slots, reducing dust or residue buildup Rapid-release conveyors and belts eliminate need for tools to remove or replace Tool-less thumb screw adjusts belt tracking.
- We conduct strict design verification to meet China domestic and International standards such as CE marking. TTPACK Metal Detectors offer reliable solutions for quality control in the food industry around the globe.
- Configurable security access levels: Reject confirmation; Daily inspection report; Maximize quality and protect your brand reputation.
- Building on a foundation of standard features, TTPACK Metal Detectors can be configured to create cost-effective solutions for the most challenging applications. A wide variety of product handling and reject hardware and software.
- The conveyor belt is driven by gears, making it easy to clean, maintain, and replace the belt. Durability of the conveyor unit (IP66) has been improved and belt meandering occurs less often.

Specification

Model	FA-CW300	FA-CW360	FA-CW450
Weight Range	5-1000g	10-4000g	10-10000g
Minimum Scale	0.1g	0.1g	1g
Best Accuracy(3σ)	±0.3g	±0.3g	±1g
Max Throughput	150pcs/min	120pcs/min	80pcs/min
Weigher Platform Size(WxL)	300x350/450/550mm	360x450/550/800mm	450x550/700/800mm
Line Height Options	750+100mm(can be customized)		
Belt Type	PU Anti-static		
Supply Voltages	220V/1P 50/60Hz		
Air Supply	5-8bar(10mm outside dia)		
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