

Experience The Precision Difference



AUTOMATIC ONLINE INSPECTION SOLUTION

Metal Detected | Check Weigher | Tablet Counting | Vision Inspection | X-Ray Inspection Systems



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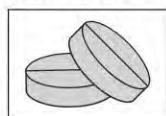
TABLET / CAPSULE METAL DETECTOR

trueCARE Technology's Metal Detector for Tablets and Capsules offers advanced sensitivity and stability in detecting various metals essential in pharmaceutical production. It effectively identifies ferrous metals (Fe), non-ferrous metals like copper and aluminum, and stainless steel. Designed for integration after pharmaceutical processes or filling equipment such as tablet presses and capsule fillers.

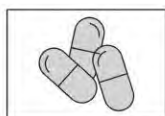
Standard Features

- Compact design for small spaces.
- ARM controller with DSP.
- Large touch screen interface, multi-language support, extensive data storage.
- Audio & graphic indication for metal detection.
- Rapid, integrated rejection minimizes waste.
- SS 304 construction meets GMP.
- Highly stable, sensitive detection of small contaminants.
- Simple installation, operation, and maintenance.
- Engineered to eliminate external interference.
- Option for HMI color touch screen.

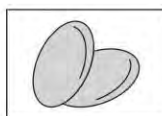
Applications



Tablet



Capsule



Softgel



Technical Specification

Model		TMD-7020	TMD-10030
Aperture size		70 mm (W) x 20 mm (H)	100 mm (W) x 30 mm (H)
Sensitivity (Ømm)	Fe	0.25 mm	0.3 mm
	N-Fe	0.35 mm	0.4 mm
	SS304	0.45 mm	0.4 mm
Capacity		300,000 PCs/Hour	500,000 PCs/Hour
Product Storage Quantity		100 kinds	
Product		Tablet, Capsule, Softgel	
Channel Material		Food grade plexiglass	
Rejecter Mode		Electrically operated fast acting flap	
Power Supply		AC220V, 1 Phase, 50/60Hz	
Main Material		SS304 (Product contact parts: SUS316)	





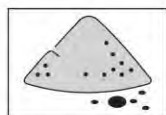
GRAVITY-FED METAL DETECTORS WITH AUTOMATIC REJECTION

trueCARE Technology's gravity-fed metal detector is robust and high-performance. It seamlessly integrates into gravity feed systems, offering efficient metal detection for free-falling products. Positioned just before final packaging on production lines, they ensure uninterrupted production with continuous operation, maintaining efficiency; Integrated automatic rejection systems divert contaminated products.

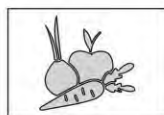
Standard Features

- Compact design fits small spaces.
- ARM controller with digital signal processing.
- Large touch screen interface for intuitive operation, multilingual support, and extensive data storage.
- Audio and graphic indication detects metal contamination.
- Rapid rejection mechanism minimizes material waste.
- SS construction complies with GMP requirements.
- Highly stable and sensitive, detects very small contaminants reliably.
- Simple installation, operation, and maintenance.
- Engineered to eliminate external interference factors.

Applications



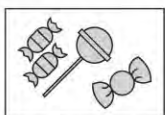
Powder



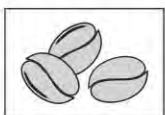
Fruits & Veg.



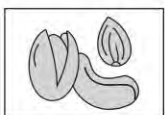
Grains



Confectionery



Beans



Dry-fruits & Nuts



Technical Specification

Model		TMD-GF70	TMD-GF100	TMD-GF140	TMD-GF200
Inspection Diameter		70mm	100 mm	140 mm	200 mm
Detection Sensitivity millimeters (Ømm) (without product)	Fe	0.5	0.6	0.8	1.0
	Non-Fe	0.7	0.8	1.2	1.5
	SS	1.0	1.2	1.5	2.0
Main Construction	Product contact: SS 316/304 & Non-Contact: SS 304				
Inspection Volume (L/H)		6000	8000	16000	25000
Product	Pre-packaged, free-flowing products				
Product Memory	Up to 100 unique product settings				
Parameter Adjustment	Auto or manual programming				
Alarm Mode	Auto rejection diversion flap				
Pressure Requirement	0.5Mpa≥				
Power Supply	AC220V, 1 Phase, 50/60Hz				

CONVERIZED METAL DETECTOR

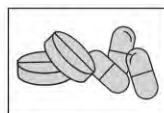
The trueCARE Converized Metal Detector is a robust, highly sensitive industrial tool designed to detect metallic contamination in packed materials across industries like pharmaceuticals, food processing, and nutraceuticals. It identifies ferrous metals (Fe), non-ferrous metals such as copper and aluminum, and stainless steel, ensuring the integrity and safety of packed materials in diverse manufacturing sectors.

Standard Features

- Stable performance with high sensitivity, detecting stainless steel contaminants down to 1.5mm (product-dependent).
- Constructed with 304 stainless steel.
- Programmable for different products to optimize sensitivity and safety.
- Large touch screen interface for intuitive operation, extensive data storage and compact design for small spaces.
- ARM controller with digital signal processing for audio and graphic indication of metal contamination detection.
- Rapid, integrated rejection mechanism minimizes material waste; complies with GMP requirements.
- Highly stable and extremely sensitive, engineered to eliminate external interference factors like vibration, noise, and product effects.
- Simple installation, operation, and maintenance ensure reliable detection of very small contaminants.



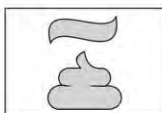
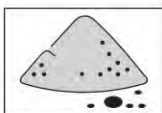
Applications



Tablet/Capsule



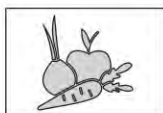
Liquids

Ointment/Cream/
Paste/Gel

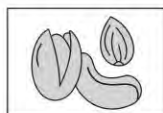
Powder



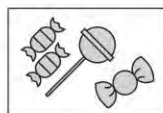
Grains



Fruits & Veg.



Dry-fruits & Nuts



Confectionery

Technical Specification

Model	TMD-C2510	TMD-C3012	TMD-C3515	TMD-C4520	TMD-C4525	TMD-C6030	TMD-C7530
Detection Width	250 mm	300 mm	350 mm	450 mm	450 mm	600 mm	750 mm
Detection Height	100 mm	120 mm	150 mm	200 mm	250 mm	300 mm	250 mm
Detecting sensitivity (Ømm)	Fe	0.5	0.6	0.8	1.0	1.2	1.5
	N-Fe	0.7	0.8	1.0	1.5	1.8	2.0
	SS	1.0	1.2	1.5	2.0	2.3	2.5
Parameter Setting	By Intelligent Product Learning						
Belt Width	180 mm	230 mm	280 mm	370 mm	370 mm	520 mm	370 mm
Conveyor Belt Length	1200 mm	1200 mm	1500 mm	1800 mm	2000 mm	2000 mm	2000 mm
Max. Weight on Belt	10 kg.	20 kg.	20 kg.	25 kg.	25 kg.	50 kg.	100 kg.
Product	Pre-packaged product						
Belt Speed	Variable Speed; up to 70m/min						
Rejection Option	Pusher, Flipper, Flap Down, Down Belt						
Power Supply	AC220V, 1 Phase, 50/60Hz						

CONVERIZED METAL DETECTOR FOR BOTTLES

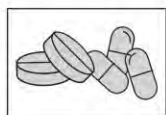


The trueCARE Converized Metal Detector for Bottles is a robust, highly sensitive industrial tool designed to detect metallic contamination in packed materials in bottles across industries like Pharmaceuticals, Food Processing, Nutraceuticals, Cosmetics, Chemicals and. It identifies ferrous metals (Fe), non-ferrous metals such as copper and aluminum, and stainless steel, ensuring the integrity and safety of packed materials in diverse manufacturing sectors. Customized-designed for bottled products with up to 30% higher inspection accuracy than conventional products.

Standard Features

- Stable performance with high sensitivity.
- Constructed with SS 304, complies with GMP requirements.
- Programmable for different products to optimize sensitivity and safety.
- Large touch screen interface for intuitive operation, extensive data storage, and compact design for small spaces.
- ARM controller with digital signal processing for audio and graphic indication of metal contamination detection.
- Rapid, integrated rejection mechanism minimizes material waste.
- Highly stable and extremely sensitive, engineered to eliminate external interference factors like vibration, noise, and product effects.
- Simple installation, operation, and maintenance ensure reliable detection of very small contaminants

Applications



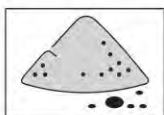
Tablet/Capsule



Liquids



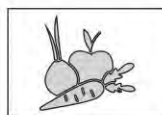
Ointment/Cream/
Paste/Gel



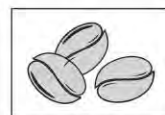
Powder



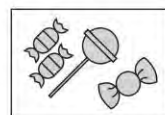
Grains



Fruits & Veg.



Beans



Confectionery



Technical Specification

Model		TMD-B1220	TMD-B1525	TMD-B2035	TMD-B2545
Detection Width		120 mm	150 mm	200 mm	250 mm
Detection Height		200 mm	250 mm	350 mm	450 mm
Detecting sensitivity (Ømm)	Fe	0.6	0.8	1.0	1.2
	N-Fe	0.8	1.2	1.5	1.8
	SS	1.2	1.5	2.0	2.3
Parameter Setting	By Intelligent Product Learning				
Belt Width		90 mm	120 mm	170 mm	220 mm
Conveyor Belt Length		1200 mm	1200 mm	1500 mm	1500 mm
Max. Weight on Belt		5 kg.	10 kg.	15 kg.	25 kg.
Product	Pre-packaged product				
Belt Speed	Variable Speed; up to 70m/min				
Rejection Option	Pusher, Flipper, Flap Down, Down Belt				
Power Supply	AC220 V, 1 Phase, 50/60 Hz				

FLOW THROUGH METAL DETECTORS - FOR LIQUID AND SEMI LIQUID

For liquids or products being pumped through the production process, True care technology offers flow-through metal detection systems. The flow-through metal detector is a robust, high performance, operator friendly system suitable for liquid and semi-liquid products. It integrates an auto-reject valve to divert contaminants from the product flow, while minimizing waste and rework.

Standard Features

- Stable performance with high sensitivity.
- Enhanced detection sensitivity with powerful automatic product identification technology.
- Integrates seamlessly into sealed pipe conveyance systems.
- Teflon inner pipe liner withstands high temperatures and pressures.
- Minimizes product waste with fast rejection valve.
- Suitable for low to high viscosity products, from liquids to ground meat.
- Heavy-duty, sanitary construction for wash-down food processing.



Applications



Liquids

Ointment/Cream/
Paste/Gel

Sauce/Sausage



Beverages and Juice

Technical Specification

Model		TMD-FT25	TMD-FT50	TMD-FT75	TMD-FT100
Pipe Diameter		25 mm	50 mm	75 mm	100 mm
Detection Height		200 mm	250 mm	350 mm	450 mm
Detecting sensitivity (Ømm)	Fe	0.4	0.6	0.8	1.0
	N-Fe	0.7	1.0	1.0	1.5
	SS	1.0	1.2	1.5	2.0
Parameter Setting		By Intelligent Product Learning			
Inner Pipe Material		Food grade teflon tube			
Display		Intuitive LCD HMI touchscreen			
Product		Lequid / Semi-liquid			
Pressure Requirements		0.5 Mpa _≥			
Rejection Option		Ball Valve			
Power Supply		AC220 V, 1 Phase, 50/60 Hz			



ALUMINUM FOIL METAL DETECTOR

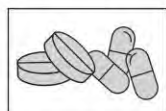
The trueCARE Aluminum Foil metal detector is specifically capable of the detection of minimum ferrous and stainless steel from packages of aluminum sealing bags, aluminum foil bags, aluminum tinned ham sausage and products packaging by aluminum.

Standard Features

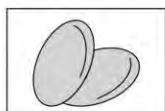
- Stable performance with high sensitivity.
- Constructed with SS 304, complies with GMP requirements.
- Programmable for different products to optimize sensitivity and safety.
- Suitable for detecting high temperature, high salty, high sugar, and water-containing products.
- Large touch screen interface for intuitive operation, extensive data storage, and compact design for small spaces.
- Highly stable and extremely sensitive, engineered to eliminate external interference factors like vibration, noise, and product effects.
- Simple installation, operation, and maintenance ensure reliable detection of very small contaminants



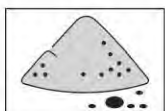
Applications



Tablet/Capsule



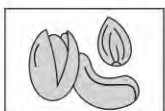
Softgel



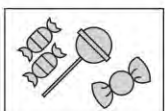
Powder



Sauce/Sausage



Dry-fruits & Nuts



Confectionery



Liquids



Beverages and Juice



Technical Specification

Model	TMD-AF250	TMD-AF350	TMD-AF500
Detector Width	250 mm	350 mm	500 mm
Detector Height	50-120 mm	50-120 mm	50-120 mm
Detecting sensitivity	Fe	1.0	1.0
	SS	2.0	2.0
Parameter Setting	By Intelligent Product Learning		
Belt Width	250 mm	350 mm	500 mm
Conveyor Belt Length	1200 mm	1200 mm	1500 mm
Max. Weight on Belt	10	15	15
Product	Product packaged in aluminum		
Belt Speed	Variable Speed; up to 70m/min		
Rejection Option	Pusher, Flipper, Flap Down, Down Belt		
Power Supply	AC220 V, 1 Phase, 50/60 Hz		

BALANCE GRADE CHECK WEIGHER WITH MULTILANE

The Balance Grade and Multi-Lane Check Weighers by True Care Technology are advanced machines designed for precise weight measurement and quality control of small packaged products. The Balance Grade Check Weigher ensures each package meets desired weight standards, while the Multi-Lane Check Weigher efficiently handles multiple lanes for high-volume production, providing real-time feedback and accurate sorting. Both machines offer reliable, high-speed performance, making them ideal for maintaining product quality in fast-paced environments.

Standard Features

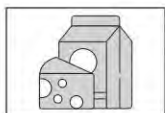
- SS 304 Construction: Complies with GMP standards, ensuring durability and hygiene.
- Large Screen Display: Provides clear visibility and easy operation.
- Weight Compensation: Automatically adjusts product weight for accuracy.
- Real-Time Data Visualization: Displays product qualification rates using line and bar charts.
- Three-Level Access Control: Secure operation with customizable password protection.
- Robust Data Management: Stores up to 100 data sets with advanced statistical functions.
- Automatic Rejection System: Efficiently removes unqualified products.
- Multi-Channel Product Handling: Enhances production efficiency by processing multiple products simultaneously.



Applications



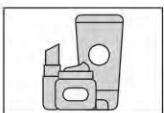
Pharma



Dairy



Confectionery



Cosmetic



FMCG

Technical Specification

Model	TCW-1X	TCW-6X	TCW-10X
No. of channels	1	6	10
Weighing Range	1-50 gm	1-50 gm	2-300 gm
Product Size L x W x H	180 x 40 x 2-20 mm		
Accuracy*	± 0.01 gm		
Divisional Scale	0.01 gm		
Speed (pcs/min)	70	420	700
Belt Width	100 mm	30 mm	30 mm
Product	Small packaged product		
Power	100 W	400 W	500 W
Power Supply	100W, AC220V, 1 Phase, 50/60Hz		

* Accuracy may be differed from product to product



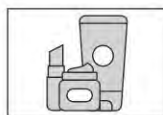
ONLINE CHECK WEIGHER



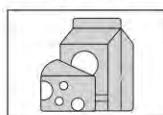
Applications



Pharma



Cosmetic



Dairy



Fruits & Veg.

The Check-Weigher is typically employed to ensure that the product meets standard weight specifications. Positioned at the end of the production line, the TCW Online Check-weigher finds application in diverse industries such as bakery, meat, seafood, snack food, etc. Providing real-time monitoring, it confirms product weights during production.

Standard Features

- Provides high-speed, high-sensitivity, and stable dynamic weight verification.
- Simple mechanical structure with a buckle-type conveyor belt for easy disassembly, cleaning, and maintenance, compliant with
- GMP and HACCP regulations.
- Large, multilingual touch screen interface with extensive data storage capacity for intuitive operation.
- Efficient rejecter system for accurate sorting.
- Three-level password protection restricting parameter settings to managers.
- Simplified user parameters for straightforward operation.
- Exceptional environmental adaptability and stability for reliable industrial performance.
- Data storage for 100 product tests, ensuring user convenience.



Confectionery



Grain & nuts



Technical Specification

Model	TCW-100	TCW-150	TCW-150H	TCW-220	TCW-220H	TCW-300	TCW-300H	TCW-400
Weighing Range	2-300 g	3-500 g	3-500 g	5-1500 g	3-1500 g	5-5000 g	3-5000 g	10-10000 g
Division Scale	0.01 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g	0.1 g	1 g
Accuracy	±0.05 g	±0.1 g	±0.1 g	±0.2 g	±0.2 g	±0.3-0.5 g	±0.3-0.5 g	±1-10 g
Checking Speed	Max 260 pcs/Min	Max 150 pcs/Min	250 pcs/Min	100 pcs/Min	200 pcs/Min	Max 70 pcs/Min	180 pcs/Min	Max 50 pcs/Min
Belt Speed	20-90m/min	20-65m/min	90m/min	20-60m/min	90m/min	20-60m/min	90m/min	20-60m/min
Product size limit	Length	100 mm	200 mm	200 mm	300 mm	300 mm	350 mm	450 mm
	Width	100 mm	150 mm	150 mm	220 mm	220 mm	300 mm	3-400 mm
Operation Way	Touch operation							
Conveying Direction	Facing the touch screen from left to right (can be customized)							
Rejection Method	Push Rejection / Air blow Rejection (optional)							
Belt Height From The Ground	750±50mm (can be customized)							
Machine Material	Stainless steel (SUS304)							
Power	100 w	100 w	100 w	200 w	200 w	200 w	300 w	300 w
Weight	70 kg	80 kg	80 kg	85 kg	100 kg	100 kg	110 kg	110 kg
Windshield	Thick acrylic (to avoid airflow interference)							
External Air Source	0.2-0.6Mpa							
Power Supply	AC220 V, 1 Phase, 50/60 Hz							

ULTRA HIGH SPEED CHECK WEIGHER

The TCW High speed check-weigher is an online, high-speed, high-sensitivity, and high-stability dynamic weight detection system designed for detecting packaging product weights to ensure quality standards. Providing real-time monitoring, it confirms product weights during production, thereby ensuring accuracy and adherence to regulatory standards. Our solution guarantees accurate measurements even in high-speed environments, thereby minimizing the risk of under or overfilling.

Standard Features

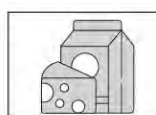
- Provides high-speed, high-sensitivity, and stable dynamic weight verification.
- Simple mechanical structure with a buckle-type conveyor belt for easy disassembly, cleaning, and maintenance, compliant with GMP and HACCP regulations.
- Large touch screen interface for intuitive operation, supporting multiple languages and featuring extensive data storage capacity.
- Efficient rejecter system ensures accurate sorting.
- Three-level password protection restricts parameter setting access to managers only.
- Simplified user parameter settings for straightforward operation.
- Demonstrates exceptional environmental adaptability and stability, ensuring reliable performance in industrial environments.
- Stores data from 100 product tests, facilitating user convenience.



Applications



Pharma



Dairy



Cosmetic



Confectionery

Technical Specification

Model		TCW-100HH	TCW-150HH
Weighing Range		2-300 g	3-500g
Division Scale		0.01g	0.1g
Accuracy		±0.05g	±0.1g
Checking Speed		450 pcs/Min	420 pcs/Min
Belt Speed		120m/min	110m/min
Product Size Limit	Length	100 mm	100 mm
	width	100 mm	150 mm
Operation Way		Touch operation	
Conveying Direction		Facing the touch screen from left to right (can be customized)	
Rejection Method		Push Rejection / Air blow rejection (optional)	
Belt Height From The Ground		750±50mm (can be customized)	
Machine Material		Stainless steel (SUS304)	
External Air Source		0.2-0.6 Mpa	
Power		200 w	500 w
Windshield		8 mm Thick acrylic (to avoid airflow interference)	
Power Supply		AC220 V, 1 Phase, 50/60 Hz	



ONLINE CHECK WEIGHER FOR LARGE PACKAGE

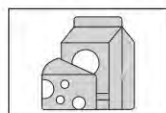


The TCW check-weigher for large Package is an online, high-speed, high-sensitivity, and high-stability dynamic weight detection system designed for detecting large packaging product weights to ensure quality standards. Widely utilized for online weight checks in industries such as large carton/bag packed food, agricultural products, consumables, and others, providing real-time monitoring,

Standard Features

- Provides high-speed, high-sensitivity, and stable dynamic weight verification.
- Simple mechanical structure with a buckle-type conveyor belt for easy disassembly, cleaning, and maintenance, compliant with GMP and HACCP regulations.
- Large touch screen interface for intuitive operation, supporting multiple languages and featuring extensive data storage capacity.
- Efficient rejecter system ensures accurate sorting.
- Three-level password protection restricts parameter setting access to managers only.
- Demonstrates exceptional environmental adaptability and stability, ensuring reliable performance in industrial environments.
- Stores data from 100 product tests for user convenience.

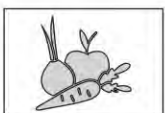
Applications



Dairy



Grain & nuts



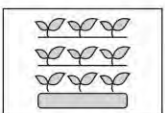
Fruits & Veg.



Pharma



Confectionery



Agriculture



Technical Specification

Model		TCW-450	TCW-600
Weighing Range		0.05-25 kg	0.05-50 kg
Division Scale		1 g	1 g
Accuracy		±5/10 g	±20 g
Checking Speed		40 pcs/Min	30 pcs/Min
Belt Speed		60m/min	40m/min
Product Size Limit	Length	550 mm	800 mm
	width	450 mm	600 mm
Operation Way		Touch operation	
Rejection Method		Push Rejection	
Belt Height From The Ground		750 ± 50 mm (can be customized)	
Machine Material		Stainless steel (SUS304)	
Power		300 W	500 W
Windshield		8 mm Thick acrylic (to avoid airflow interference)	
External Air Source		0.2-0.6 Mpa	
Power Supply		AC220 V, 1 Phase, 50/60 Hz	

REVOLVING CHECK WEIGHER

trueCARE's TCW-R Check-weigher utilizes state-of-the-art weigh cell technology to achieve greater accuracy in dynamic weighing for aerosols, cans, vials, bottles, etc. The system provides 100% online weighing, ensuring compliance with international standards in pharmaceutical, chemical, and cosmetic industries.

Standard Features

- Provides high-speed, high-sensitivity, and stable dynamic weight verification.
- Simple mechanical structure with a buckle-type conveyor belt for easy disassembly, cleaning, and maintenance, compliant with GMP and HACCP regulations.
- Large touch screen interface enables intuitive operation, supports multiple languages, and offers extensive data storage capacity.
- Efficient rejecter system ensures accurate sorting.
- Three-level password protection restricts parameter setting access to managers.
- Simplified user parameter settings for ease of operation.
- Demonstrates exceptional environmental adaptability and stability, ensuring reliable performance in industrial environments.
- Stores data from 100 product tests for user convenience.



Applications



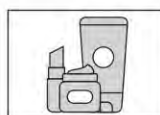
Syrup-Pharma



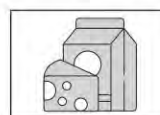
Beverages



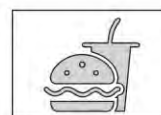
Chemical



Cosmetic



Dairy



Food

Technical Specification

Model		TCW-R
Weighing Range		2-300 g
Division Scale		0.01 g
Accuracy		+0.01 g
Checking Speed		60 pcs/Min, 120pcs/min, 180pcs/min (optional)
Belt Speed		50m/min
Size Limit	Dia.	Φ 10-100 mm
	Height	20-200 mm
Operation Way		Touch operation
Rejection Method		Push Rejection / Air Blow (optional)
Machine Material		Stainless steel (SUS304)
Windshield		8mm Thick acrylic (to avoid airflow interference)
External Air Source		0.2-0.6 Mpa
Power Supply		AC220 V, 1 Phase, 50/60 Hz
Power		400 W



MULTI-TRAY WEIGHT SORTING MACHINE

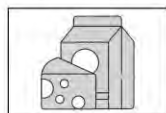
The weight sorting equipment is a device that automatically sorts products with high speed and accuracy based on their weight ranges. Users can define weight ranges according to specific requirements, enabling customized sorting based on product characteristics and quality standards. The TCW-MTS multi-tray sorting machine is designed for seamless integration into existing production lines, facilitating smooth workflow and operational continuity.

Standard Features

- High-speed, high-sensitivity, and highly stable dynamic weight verification.
- Buckle design facilitates easy cleaning and disassembly, ensuring maintenance simplicity.
- Equipped with a touch screen for user-friendly operation, supporting multiple languages and large memory capacity for data storage.
- Includes standard weight sorting zones.
- Simplified user parameter settings for easy operation.
- Demonstrates excellent environmental adaptability and stability, ensuring reliable industrial performance.
- Automates the sorting process, significantly reducing manual intervention and improving operational efficiency.
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- Simplified user parameter settings for easy operation.
- Demonstrates excellent environmental adaptability and stability, ensuring reliable industrial performance.
- Automates the sorting process, significantly reducing manual intervention and improving operational efficiency.



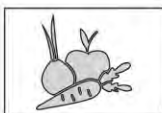
Applications



Dairy



Grain & nuts



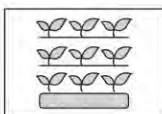
Fruits & Veg.



Pharma



Confectionery



Agriculture

Technical Specification

Model	TCW-MTS
Weight Range	5-3000 g
Accuracy	±0.3-0.5 g
Maximum Speed	60 pcs/min
Division scale	0.1 g
Product Size Limit	L:350mm,W:300mm,H:3-2000mm
Belt speed	50m/min
Power Consumption	0.75KW
Main Material	Stainless steel (SUS304) & food grade resin
Belt width	300 mm
IP Rate	IP66
Power Supply	AC220V, 1 Phase, 50/60Hz

COMBO METAL DETECTOR & CHECK WEIGHER

Featuring world-class supplier accessories, metal detector heads based on hard fill technology and high- performance weight detectors are supported with auto settings via intelligent algorithms to achieve excellent accuracy and easy operation.

The trueCARE's Metal Detector and Checkweigher parameters configured in the same product parameterization, and operate in the same interface, reducing the incidence of erroneous operation with a unified intelligent learning algorithm and parameter settings to achieve the metal detector and checkweigher in one machine only.

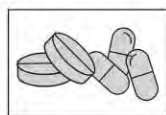
Unified touch screen operation and control, stable, simple and reliable.

Standard Features

- Stable performance with high sensitivity.
- Constructed with SS 304, complies with GMP requirements.
- Programmable for different products to optimize sensitivity and safety.
- Large touch screen interface for intuitive operation, extensive data storage, and compact design for small spaces. ARM controller with digital signal processing for audio and graphic indication of metal contamination detection.
- Highly sensitive loadcell to detect and verify product weight.
- Rapid, integrated rejection mechanism minimizes material waste.
- Highly stable and extremely sensitive, engineered to eliminate external interference factors like vibration, noise, and product effects.
- Simple installation, operation, and maintenance ensure reliable detection of very small contaminants with highly accurate weight checking.



Applications



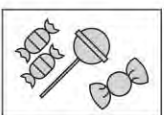
Tablet/Capsule



Liquids



Ointment/Cream/
Paste/Gel



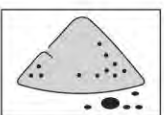
Confectionery



Grains



Dry-fruits & Nuts



Powder



Fruits & Veg.

Technical Specification

Model	TCB 150	TCB 220	TCB 300	TCB 500	TCB 600
Weighing Range	2-300 gm	2-1000 gm	5-4000 gm	0.02 kg-50 kg	0.05 - 100 kg
Minimum Scale	0.01 gm	0.1 gm	0.1 gm	1 gm	1 gm
Best Accuracy	± 0.1 gm	± 0.3 gm	± 0.5 gm	± 1 gm	± 1 gm
Max. Throughput (pcs/min)	250	150	100	60	40
Detector Height	100	120	150	200	250
Detecting sensitivity (Ømm)	According to the type of Metal Detector				
Weight Belt Width	150	220	300	500	600
Weight Belt Length	200/250/300	350/450/550	450/550/700	680/1300	1300
Parameter Setting	By Intelligent Product Learning				
Belt Height	800± 50 mm (Can be customized)				
Rejection Option	Pusher, Flipper, Flap Down, Down Belt				
Power Supply	AC220V, 1 Phase, 50/60Hz				

TABLET/CAPSULE CHECK WEIGHER



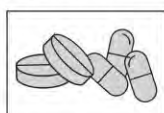
The trueCARE tablet/capsule checkweigher is an advanced tablet/capsule scale utilizing tablet slide weighing technology for high-speed, high-precision online tablet weight detection. It features 6N rows of check weighing channels, enabling seamless detection of various tablet/capsule types without requiring mold changes.

During the tableting process, the trueCARE tablet checkweigher meticulously checks the weight of each tablet individually, automatically identifying and removing any Tablets/Capsules that do not meet specified weight criteria, it safeguards against costly misclassifications of entire batches as inferior drugs.

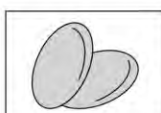
Standard Features

- Specially treated vibrating corrugated plate, enabling rapid loading at up to 140 tablets per minute per slot.
- Incorporates a slide weighing device for precise tablet-by-tablet weight checks across various tablet/capsule types without requiring mold changes.
- Features a detachable slide weighing unit for tool-free disassembly and cleaning of the weighing trough.
- Utilizes an open channel design, ensuring smooth tablet movement and eliminating blockages caused by incomplete tablets.
- Channels can be easily cleaned without disassembly.
- Prevents issues such as rhythm misalignment in tablet/capsule movement mechanisms or incorrect weighing due to incomplete tablet/capsule shapes in closed channel structures.
- Ensures products remain undamaged during silo unloading, queuing, weight checking, and rejection processes.
- Constructed from 316L stainless steel or Teflon-sprayed surfaces across all channels, ensuring compatibility with strict hygiene standards and avoiding materials that could contaminate tablets.

Applications



Tablet/Capsule



Softgel



Technical Specification

Model	TCW-T600	TCW-T1200	TCW-T1800	TCW-T2400	TCW-T3600	TCW-T7200
Detecting Range	10~2000 mg					
Scale Interval	0.1 gm					
Maximum Accuracy	± 0.5 gm					
Typical accuracy	±2 mg					
Weighed Product Size	Tablets Dia. 3 mm to Dia. 24 mm					
Weighing speed (Pcs/Hr)	36000	72000	90000	144000	216000	432000
No. of channel	1	2	3	4	5	6
Operation Screen	IPC Touch Screen					
Compressed Air Pressure	0.3-0.9 mpa					
Rejecter	Air Jet, Flipper, Pusher					
Power Supply	AC 220V					

TABLET/CAPSULE COUNTING MACHINE

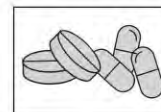
The trueCARE Tablet Counting Machine is a specialized machine used in the pharmaceutical industry to automate the counting and packaging of tablets and capsules. It can detect any miscounts or irregular tablets and automatically reject them to ensure accurate counts. Once the correct number of tablets is counted, the machine fills them into bottles. Additionally, it may cap the bottles, seal blister packs, or apply labels with essential information such as product details, dosage instructions, and batch numbers.

Standard Features

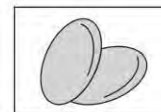
- **Continuous Counting System:** Utilizes a vibratory tray for consistent tablet flow from hopper to filling station.
- **100% Counting Accuracy:** Advanced sensors detect tablets of various shapes and sizes.
- **Automatic Bottle Height Adjustment:** Accommodates different container sizes with interchangeable discharge funnels.
- **Quick Product Changeover:** Efficient switching between different tablet types or configurations.
- **Tool-Free Cleaning:** Easy cleaning of product contact surfaces for fast changeovers.
- **Dust-Free Design:** Ensures a clean working environment and enhances machine durability.
- **PLC Controls & HMI Touch Screen:** User-friendly interface with precise control over counting and filling parameters.
- **Memory Storage:** Stores data for up to 40 different products for efficient changeovers.
- **Stainless Steel Construction:** Made of 316/316L stainless steel, compliant with food-grade standards.
- **GMP Compliance:** Designed to meet Good Manufacturing Practices regulations.



Applications



Tablet/Capsule



Softgel

Technical Specification

Model	TTC-8Z Desktop	TTC-8	TTC-12A TTC-12B	TTC-16A TTC-16B	TTC-24A TTC-24B	TTC-32A	TTC-48A
Applicable	Model A: 00-5# capsules, soft gels, Ø 5.5-12 normal tablets, special shape tablets, coating tablets, 03-12 pills Model B: 00-5# capsules, soft gels, <Ø 22 normal tablets, special shape tablets, coating tablets, < Ø 20 pills.						
Output (Bottles/Min.)	10-30	10-40	20-40	20-80	20-90	40-120	40-150
Filling Range	2 - 9999						
Total Weight (Kg)	120	180	220 270	350 410	400 460	650	750



VISION INSPECTION SYSTEMS

The trueCARE offers cutting-edge Vision Inspection Systems designed to enhance quality control across various packaging applications. Our solutions cater to Blister Inspection, OCR Verification, and Online Tablet/Capsule Inspection, ensuring precision and efficiency in your production line.

Blister Inspection System

trueCARE Blister Inspection System excels in detecting a wide range of defects in tablets and capsules during the blister packaging process. Mounted directly onto the blister packing machine, this system meticulously inspects each blister pack for:

- **Broken Tablets:** Identifies and rejects any tablets that are fractured or compromised.
- **Chipped Tablets:** Detects tablets with chipped or damaged edges.
- **Color Variations:** Monitors for inconsistencies in tablet or capsule color, ensuring uniformity.
- **Size Variations:** Measures and flags any discrepancies in tablet or capsule size.

Upon detecting a defect, the system promptly sends a signal to the control system to reject the affected blister, safeguarding product quality and compliance.

OCR Verification System

The trueCARE OCR (Optical Character Recognition) Verification System is engineered for high-speed applications on sticker labeling machines. It ensures the accuracy of printed details on labels by:

- **High-Speed Verification:** Efficiently scans and verifies text on high-speed labeling lines.
- **Error Detection:** Flags any discrepancies in printed information, such as incorrect text or misprints.
- **Signal Transmission:** Communicates with the control system to immediately reject products with erroneous labels, preventing mislabeling and ensuring accurate product information.

Tablet/Capsule Online Verification System

trueCARE Tablet/Capsule Online Verification System is designed to inspect and ensure the quality of tablets and capsules in real-time as they move through the production line. Key features include:

- **Defect Detection:** Identifies defects such as broken tablets, chipping, color inconsistencies, and size variations.
- **Real-Time Monitoring:** Mounted on the tablet or capsule counting machine, the system continuously inspects products as they are counted.
- **Control System Integration:** Automatically communicates with the control system to reject any defective tablets or capsules, maintaining high standards of quality and efficiency.

With trueCARE Vision Inspection Systems, you gain the assurance of top-quality products through advanced defect detection and verification technologies. Trust trueCARE to enhance your quality control processes and streamline your production efficiency.



X-RAY INSPECTION SYSTEMS

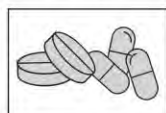
The trueCARE's SX Standard series of X-Ray inspection systems is capable of inspecting a wide range of products. Besides detecting all metals, users can identify glass, hard plastic, rubber, ceramic, bone, and other mid or high-density foreign materials. Our TXR standard performance series, powered by generators ranging from 210 to 480 watts, delivers remarkable sensitivity across nearly all product types. These systems can detect foreign bodies as small as 0.2mm. Plastic conveyor belting, small bones in poultry or red meat, rubber and gasket pieces, and even certain organic materials are successfully detected using the TCT's-SX series of X-ray inspection systems.

Standard Features

- Detects metallic and non-metallic contaminants including glass, ceramic, stone, bone, hard rubber, and hard plastic.
- Identifies breakage, displacement, and cracks.
- System automatically identifies and removes packages suspected of containing contaminants when paired with optional rejection conveyor.
- TCT's X-ray systems use proprietary software allowing customization of generator strength, speed, and algorithms for each program.
- Easily navigated software enables quick program changes. Real-time product imaging aids in swift contaminant identification.
- TXR X-rays provide comprehensive logs on production rates, times, and contamination percentages, accessible via HMI or downloadable through ethernet or USB.
- Provides remote technical and programming assistance to maximize uptime and performance.



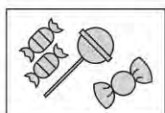
Applications



Tablet/Capsule



Liquids

Ointment/Cream/
Paste/Gel

Confectionery



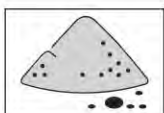
Grains



Dry-fruits & Nuts



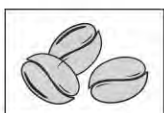
Fruits & Veg.



Powder

Technical Specification

Model		TXR-SX3012	TXR-SX4016	TXR-SX5025	TXR-SX6016	TXR-SX6030	TXR-SX8035
Detection Width		300 mm	400 mm	500 mm	600 mm	600 mm	800 mm
Detection Height		120 mm	160 mm	250 mm	160 mm	300 mm	350 mm
Detecting sensitivity	SS Ball	0.3	0.3	0.3	0.3	0.4	0.4
	SS wire	0.2*2	0.2*2	0.2*2	0.2*2	0.3*2	0.3*2
	Ceramic & Glass	0.8	0.8	1.0	0.8	1.0	1.0
Parameter Setting	By Intelligent Product Learning						
Conveyor Speed	10-90m /min. (10-40m/min. for heavy load)						
Rejection Mode	Sound and light alarm, Belt stop (Rejection optional)						
Belt Width		300 mm	400 mm	500 mm	600 mm	600 mm	800 mm
Conveyor Belt Length		1200 mm	1300 mm	1500 mm	1500 mm	1500 mm	1500 mm
Max. Weight on Belt		10 kg.	20 kg.	20 kg.	25 kg.	25 kg.	50 kg.
Power Supply	AC 220 V,1 phase, 50/60 Hz						



Beans

Types of Rejection Systems



Double Reverse Flippers



Positive Flipper



Drop Belt



Flap Board



Air Jet



Retractable Belt



Pusher



Pusher with Roller Conveyor



Side Flap Belt

Range of Products

- Tablet / Capsule Metal Detector
- Gravity-fed Metal Detectors with Automatic Rejection
- Converized Metal Detector
- Converized Metal Detector for Bottles
- Flow Through Metal Detectors - for Liquid and Semi Liquid
- Aluminum Foil Metal Detector
- Balance Grade Check Weigher with Multilane
- Online Check Weigher
- Ultra High Speed Check Weigher
- Online Check Weigher for Large Package
- Revolving Check Weigher
- Multi-tray Weight Sorting Machine
- Combo Metal Detector & Check Weigher
- Tablet/Capsule Check Weigher
- Tablet/Capsule Counting Machine
- Vision Inspection Systems
- X-ray Inspection Systems