



Automated Counting Of Small Parts Using X-ray Technology X-ray SMT reel counter detection size max 17 inch designed for SMT production lines

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: Wisdomshow
- Certification: CE FDA ISO
- Model Number: DS3200
- Minimum Order Quantity: 1
- Delivery Time: 45 days



Product Specification

- Detection Size Max: 17 Inches
- Load-bearing Platform: 10KG
- Detection Capability: Detects Overlapping And Hidden Parts
- Material Compatibility: Metal, Plastic, Glass, And Other Materials
- Weight: 2500 Kg
- Software Features: Real-time Monitoring, Data Logging, And Report Generation
- Operating Temperature: 0°C To 40°C
- Counting Speed: Up To 200 Pieces Per Minute



More Images



Product Description:



The Online X-Ray Counter Machine is an advanced and highly efficient device designed to meet the demanding needs of modern electronics manufacturing and inventory management. Specifically engineered for SMT (Surface Mount Technology) applications, this machine serves as an indispensable tool for accurately counting electronic components using cutting-edge X-ray technology. Known as the SMT X-ray inventory automatic counter, this product revolutionizes the way manufacturers track components, ensuring precision, speed, and safety throughout the counting process.

One of the critical features of the Online X-Ray Counter Machine is its X-ray tube current range of 0.2-0.6mA. This range allows for optimal penetration and imaging of various SMT components without causing damage or compromising the integrity of the parts. The adjustable tube current ensures that the machine can handle a diverse range of component sizes and materials, providing reliable and consistent results every time. This makes it a versatile solution suitable for different production lines and inventory environments. Data connectivity is another standout attribute of the Online X-Ray Counter Machine. It supports multiple data output options including USB, Ethernet, and Wi-Fi connectivity. This flexibility facilitates seamless integration with existing factory networks and inventory management systems. Whether you want to transfer data locally via USB or remotely through Ethernet and Wi-Fi, this machine provides the convenience and efficiency needed to streamline operations. Real-time data transmission allows for immediate analysis and record-keeping, reducing manual errors and improving overall workflow.

Radiation safety is a paramount concern when dealing with X-ray technology, and the Online X-Ray Counter Machine excels in this aspect. It maintains radiation levels at less than $1 \mu\text{SV/H}$, ensuring minimal exposure to operators and adhering to stringent safety standards. This low radiation emission level means the machine is safe to use in a variety of workplace environments without the need for extensive protective measures. The commitment to safety makes the product highly suitable for continuous operation in busy manufacturing settings.

Powering the Online X-Ray Counter Machine is a standard 220V/50Hz power supply, making it compatible with power systems in numerous countries and regions. This standardization simplifies installation and reduces the need for special power adapters or converters. The machine is designed for stable and efficient operation with minimal downtime, contributing to a reliable production process and maximizing uptime.

As an SMT X-ray counting machine, the Online X-Ray Counter Machine automates the traditionally labor-intensive task of component counting. By leveraging X-ray imaging technology, it can accurately count components even when they are tightly packed or obscured, which is often challenging for conventional optical counters. This automation not only increases counting accuracy but also significantly boosts productivity, enabling manufacturers to meet tight deadlines and maintain high-quality standards.

Additionally, the Online X-Ray Counter Machine serves as an Automatic X-ray component counter, capable of integrating into automated production lines and inventory systems. Its user-friendly interface and intelligent software algorithms facilitate quick setup and operation, reducing the learning curve for operators. The machine's precision in detecting and counting components minimizes inventory discrepancies, helping manufacturers maintain optimal stock levels and reduce costs associated with overstocking or shortages. In summary, the Online X-Ray Counter Machine is a state-of-the-art solution tailored for the electronics manufacturing industry. With its precise X-ray tube current control, versatile data output options, stringent radiation safety measures, and compatibility with standard power supplies, it stands out as a reliable and efficient SMT X-ray inventory automatic counter. Its ability to automate component counting through advanced X-ray technology makes it an essential asset for any production facility aiming to enhance accuracy, safety, and operational efficiency.

Features:

Product Name: Online X-Ray Counter Machine

Detection Size Min: Unlimited

Detection Size Max: 17 Inches

Data Output: USB, Ethernet, and Wi-Fi Connectivity

Total Power: 2400W

Weight: 2500 Kg

Features X-ray batch reel automatic counter for efficient material tracking

Includes X-ray SMD parts automatic counter to enhance accuracy in component counting

Equipped with X-ray material counting automatic system for seamless operation and real-time monitoring

Technical Parameters:

Operating Temperature	0°C To 40°C
Software Features	Real-time Monitoring, Data Logging, And Report Generation
X-ray Tube Voltage	50-80KV
Weight	2500 Kg
Load-bearing Platform	10KG
X-ray Tube Current	0.2-0.6mA
Flat Panel Detector Size	470*470*35 cm
Detection Thickness of Tray	80mm
Conveyor Belt Width	300 mm
Total Power	2400W

Applications:

The Wisdomshow DS3200 Online X-Ray Counter Machine is an advanced solution designed to meet the precise counting needs of electronic manufacturing industries. Originating from Shenzhen, China, this cutting-edge equipment boasts certifications including CE, FDA, and ISO, ensuring high standards of quality and safety. With a minimum order quantity of just one unit and a delivery time of 45 days, it is accessible for businesses of all sizes seeking reliable and efficient counting technology.

Specially engineered as an X-ray SMD reel counter, the DS3200 excels in accurately counting surface mount device components without removing them from their reels. This model is particularly suitable for high-volume production lines where speed and precision are critical. The machine features a flat panel detector measuring 470*470*35 cm and a conveyor belt width of 300 mm, allowing it to accommodate various reel sizes and shapes effortlessly. Its operating temperature range from 0°C to 40°C ensures stable performance across a variety of manufacturing environments.

One of the standout features of the Wisdomshow DS3200 is its exceptional counting accuracy of $\pm 0.1\%$, making it an indispensable tool for quality control and inventory management. The detection size is effectively unlimited, enabling it to count components of various sizes and types without restriction. This versatility makes the DS3200 perfect as an X-ray part automatic counting machine, streamlining the workflow by reducing manual intervention and minimizing errors.

In practical application, the X-ray SMT reel counter is ideal for electronics manufacturers, contract manufacturers, and assembly plants that require precise component tracking and verification. It can be integrated seamlessly into existing production lines to monitor component usage in real-time, ensuring that inventory levels are accurately maintained and production efficiency is maximized. The DS3200's robust construction and advanced technology also make it suitable for research and development laboratories where component counting is essential for experimental accuracy.

In summary, the Wisdomshow DS3200 Online X-Ray Counter Machine is a highly versatile and reliable device applicable across numerous scenarios, including electronic assembly lines, quality assurance departments, inventory management, and R&D facilities. Its advanced X-ray counting capabilities, coupled with user-friendly design and compliance with international standards, position it as a top choice for businesses aiming to enhance operational precision and efficiency.

Support and Services:

Our Online X-Ray Counter Machine is designed to provide accurate and efficient counting of items using advanced X-ray technology. For optimal performance, please ensure the machine is installed on a stable surface and connected to a compatible power source.

Before using the machine, calibrate it according to the user manual to ensure precise counting results. Regular maintenance, including cleaning the X-ray sensor and conveyor belt, is recommended to maintain accuracy and prolong the lifespan of the device.

If you encounter any operational issues, refer to the troubleshooting section of the manual. Common issues include errors in counting, display malfunctions, or conveyor belt jams, which can often be resolved by recalibration or resetting the machine.

For software updates and firmware upgrades, please check the official support website to download the latest versions. Keeping your machine's software up-to-date ensures compatibility and access to new features.

Our technical support team is available to assist with installation, calibration, and troubleshooting. We also offer onsite services and training sessions to help your staff maximize the efficiency of the Online X-Ray Counter Machine.

For spare parts and accessories, please refer to the parts catalog included with your purchase or available on our website. Using genuine parts ensures optimal performance and safety.

Ensure all safety guidelines are followed when operating the machine, including wearing protective equipment if necessary and avoiding direct exposure to the X-ray beam.

Packing and Shipping:

Product Packaging:

The Online X-Ray Counter Machine is securely packaged using high-quality, durable materials to ensure safe delivery. Each unit is carefully wrapped with anti-static foam and enclosed in a sturdy cardboard box to protect it from shocks and vibrations during transit. The packaging also includes clear labeling and handling instructions to maintain product integrity.

Shipping:

We offer reliable shipping options to deliver the Online X-Ray Counter Machine promptly and safely to your doorstep. All shipments are trackable and insured to provide peace of mind. Depending on your location, standard and expedited shipping methods are available. Our logistics partners handle the product with care to ensure it arrives in perfect working condition.

FAQ:**Q1: What is the brand and model number of the Online X-Ray Counter Machine?**

A1: The Online X-Ray Counter Machine is manufactured by Wisdomshow and the model number is DS3200.

Q2: Where is the Online X-Ray Counter Machine produced?

A2: This machine is made in Shenzhen, China.

Q3: Does the Online X-Ray Counter Machine have any certifications?

A3: Yes, the product is certified with CE, FDA, and ISO certifications.

Q4: What is the minimum order quantity for purchasing the Online X-Ray Counter Machine?

A4: The minimum order quantity for this machine is 1 unit.

Q5: How long does it take to deliver the Online X-Ray Counter Machine after placing an order?

A5: The delivery time for the machine is approximately 45 days.



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