Online X-Ray Counter Machine with 200-300 Reels Per Hour Speed and 99.99% Counting Accuracy Using Amorphous Silicon Flat Panel Detector

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Certification: CE FDA ISO
- Model Number: DS3200
- Minimum Order Quantity: 1
- Delivery Time: 45 Days



Product Specification

- Inspection Speed: 200-300 Reels Per Hour
- Counting Speed: Fully Automatic, Approx.12–15 S Per Reel
- Reel Size: 7–17 In, Height 3–80 Mm
- Reel Weight: ≤10 Kg
- Counting Accuracy: 99.99% For 01005; 100% For 10201 And Above
- Detector Type: Amorphous Silicon Flat Panel
- Total Power: 2400W
- Power Supply: 220V / 50-60Hz
- Highlight: **200-300 Reels Per Hour X-Ray Counter Machine** , **99.99% Counting Accuracy X-Ray SMD Reel Counter** , **Amorphous Silicon Flat Panel X-Ray**



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Product Description

Product Description:

The Online X-Ray Counter Machine is an advanced and highly efficient solution designed to revolutionize the way electronic components are counted and managed in inventory systems. Equipped with an intelligent X-ray counting system, this machine ensures unparalleled accuracy and speed in detecting and counting surface-mount device (SMD) reels, making it an essential tool for modern electronics manufacturing and inventory control.

One of the standout features of this X-ray SMD reel counter is its ability to handle an extensive range of components, including the smallest 01005 parts, which are often challenging to detect with conventional methods. By covering all current standard parts, the machine guarantees comprehensive inspection and counting, minimizing errors and discrepancies in inventory records. This capability ensures that manufacturers and inventory managers can maintain precise stock levels, preventing production delays caused by part shortages.

The Online X-Ray Counter Machine operates with a total power consumption of 2400W, powered by a reliable 220V supply with a frequency range of 50-60Hz. This power configuration ensures stable operation and supports the machine's high-speed inspection capabilities. The system is designed to handle reel sizes ranging from 7 to 17 inches in diameter and reel heights between 3 to 80 millimeters, providing versatility to accommodate various packaging formats used in the electronics industry.

Speed and efficiency are critical in high-volume production environments, and this X-ray inventory counter excels in this area by inspecting between 200 to 300 reels per hour. Such rapid throughput significantly boosts productivity and streamlines inventory management processes, allowing companies to maintain a continuous flow in their manufacturing lines without interruptions caused by manual counting or inaccurate stock data.

The intelligent X-ray counting system integrates advanced imaging technology with sophisticated software algorithms to deliver precise and reliable counting results. This integration not only reduces the risk of human error but also enables real-time inventory tracking and reporting, facilitating better decision-making and resource planning. The system's user-friendly interface and automated operation further enhance usability, making it accessible to operators with varying levels of technical expertise.

In addition to its core counting functions, the X-ray SMD reel counter offers robust durability and consistent performance, backed by high-quality components and meticulous engineering. Its compact design allows for easy integration into existing production lines or inventory setups, while the machine's maintenance-friendly construction minimizes downtime and operational costs.

Overall, the Online X-Ray Counter Machine stands out as a cutting-edge solution for electronic component counting and inventory management. By combining powerful hardware specifications, such as a 2400W power rating and versatile reel size compatibility, with the precision of an intelligent X-ray counting system, it addresses the critical needs of manufacturers and inventory managers. Whether used as an X-ray SMD reel counter or a comprehensive X-ray inventory counter, this machine delivers exceptional accuracy, speed, and reliability, making it an indispensable asset in the electronics industry.

Features:

Product Name: Online X-Ray Counter Machine

Counting Speed: Fully Automatic, Approx. 12–15 Seconds Per Reel

Detector Type: Amorphous Silicon Flat Panel

Power Supply: 220V / 50-60Hz

Reel Size Compatibility: 7–17 Inches, Height 3–80 mm

Maximum Reel Weight: ≤10 Kg

Designed as an SMT component X-ray counter for precise counting

Functions as an X-ray tape and reel automatic counter for efficient operation

Incorporates AI-powered technology for enhanced accuracy in X-ray reel automatic counting

Technical Parameters:

Reel Weight	≤10 Kg
Dimensions	L4500 * W1200 * H2118 Mm
Total Power	2400W
Power Supply	220V / 50-60Hz
Inspection Speed	200-300 Reels Per Hour
Detectable Parts	Smallest 01005, Covers All Current Standard Parts
Detector Type	Amorphous Silicon Flat Panel
Counting Speed	Fully Automatic, Approx. 12–15 S Per Reel
Reel Size	7–17 In, Height 3–80 Mm
Counting Accuracy	99.99% For 01005; 100% For 10201 And Above

Applications:

The Wisdomshow DS3200 Online X-Ray Counter Machine is an advanced solution designed for various industrial and manufacturing applications, particularly in the electronics sector. With its CE, FDA, and ISO certifications, this product guarantees high quality and reliability, making it an ideal choice for businesses that require precise and efficient counting of SMD components on reels.

One of the primary application occasions for the DS3200 is in SMT (Surface Mount Technology) production lines, where accuracy and speed are crucial. The machine's fully automatic counting capability, processing approximately 12–15 seconds per reel with an inspection speed of 200-300 reels per hour, makes it perfect for high-volume SMT factories. It can handle reel weights up to 10 kg, ensuring versatility across different component sizes and types.
The X-ray SMD reel counter function enables manufacturers to conduct non-destructive inspections and inventory counts, reducing errors and improving stock management. By utilizing an advanced Amorphous Silicon Flat Panel detector, the DS3200 provides clear and precise X-ray imaging, which is essential for detecting component presence and orientation on reels without manual intervention.
Another important scenario for this product is in quality control departments, where the X-ray batch reel automatic counter ensures that reels are accurately counted and verified before shipment or further processing. This reduces the risk of shortages or overages in production lines and helps maintain consistent product quality.
The SMT X-ray inventory automatic counter is also beneficial for electronic component warehouses and distribution centers. It streamlines inventory management by automating the counting process, minimizing human error, and saving labor costs. With a power supply requirement of 220V / 50-60Hz, the DS3200 is compatible with standard industrial power systems worldwide.
Additionally, the Wisdomshow DS3200 is suitable for research and development facilities, where precise component counting is necessary during prototyping and testing phases. The minimum order quantity of just one unit allows small and medium enterprises to adopt this technology without large upfront investments. Delivery within 45 days ensures timely integration into existing workflows.
In summary, the Wisdomshow DS3200 Online X-Ray Counter Machine is well-suited for a variety of application occasions and scenarios including SMT manufacturing lines, quality control inspection, inventory management, and R&D environments. Its combination of speed, accuracy, and certified quality makes it a valuable asset for any organization looking to enhance their SMD reel counting processes through automated, X-ray based technology.

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