



Offline X-Ray Counter Machine with AI Deep Learning Algorithm, 220 V / 50 Hz Power Supply, and 24-inch User Interface for Accurate Reel Counting

Our Product Introduction

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Basic Information

- Brand Name: Wisdomshow
- Model Number: DS3000



Product Specification

- Tray Diameter: Compatible With 7
- Component Size: Smallest Compatible Component: 01005
- Component Size Support: Supports 01005 And Larger SMD Components (resistors, Capacitors, Inductors, Crystal Oscillators, LEDs, Diodes, Transistors, Multi-pin ICs, Etc.)
- Accuracy Improvement: AI Deep Learning Algorithm, Automatically Improves Recognition Accuracy With More Use; Current Counting Accuracy $\geq 99.99\%$
- Control Type: Industrial PC (IPC) Control, Windows 10 64-bit Enterprise Edition, Operated Via Mouse/keyboard
- Power: Power Supply: 220 V / 50 Hz; Total Power: 800 W
- Counting Speed: Single Tray Or Four 7



More Images



Product Description:

The Offline X-Ray Counter Machine is a state-of-the-art device designed to provide highly accurate and reliable counting of electronic components on reels and tapes. Specifically engineered for industries that require precise inventory management and quality control, this machine excels as an X-ray tape and reel counter, an X-ray parts counter for reels, and an X-ray SMD component counter. Its advanced features and robust construction make it an indispensable tool for electronics manufacturers, distributors, and quality assurance departments.

One of the standout features of this Offline X-Ray Counter Machine is its power efficiency and stability. It operates on a standard power supply of 220 V / 50 Hz with a total power consumption of 800 W. This ensures consistent performance while maintaining energy efficiency, making it suitable for continuous operation in industrial environments without excessive power costs.

The machine's accuracy is significantly enhanced by the integration of an AI Deep Learning Algorithm. This cutting-edge technology enables the system to automatically improve its recognition accuracy with more usage, adapting intelligently to different component types and packaging variations. As a result, the current counting accuracy of the machine is exceptionally high, achieving $\geq 99.99\%$. Such precision minimizes errors and reduces the need for manual recounts, thereby streamlining the counting process and improving overall productivity.

Compatibility is another critical aspect of the Offline X-Ray Counter Machine. It is designed to accommodate trays with a diameter of 7 inches, making it versatile enough to handle a wide range of reel sizes commonly used in the electronics industry. This flexibility ensures that users can count components from various suppliers and packaging formats without the need for multiple machines or adapters. The user experience is optimized through a 24-inch user interface, providing a clear and intuitive display that simplifies operation. The large screen size allows operators to easily view counting results, adjust settings, and monitor system status in real-time. The user-friendly interface reduces training time and enhances operational efficiency, making the machine accessible to users with varying levels of technical expertise.

Safety is paramount when dealing with X-ray equipment, and this machine incorporates multiple features to ensure radiation safety. The radiation leakage dose is kept extremely low, at less than $1 \mu\text{Sv/h}$, which is well within international safety standards. The device is constructed with a steel-lead-steel housing and a leaded glass front door, providing robust shielding to protect operators and the environment from X-ray exposure. Additionally, a safety interlock system automatically cuts power to the X-ray source when the door is opened, preventing accidental radiation exposure. The machine has also obtained exemption filing, further confirming its compliance with stringent safety regulations.

In summary, the Offline X-Ray Counter Machine is a highly reliable and precise solution for counting electronic components on reels and tapes. Its combination of AI-enhanced accuracy, compatibility with standard tray sizes, user-friendly interface, and comprehensive radiation safety features makes it an excellent choice for anyone needing an X-ray tape and reel counter, an X-ray parts counter for reels, or an X-ray SMD component counter. By investing in this advanced machine, businesses can significantly improve inventory accuracy, reduce labor costs, and ensure a safer working environment.

Features:

Product Name: Offline X-Ray Counter Machine

AI-powered X-ray reel counter with AI Deep Learning Algorithm that automatically improves recognition accuracy with more use

Current counting accuracy $\geq 99.99\%$, ensuring precise results

Automatically saves counting results, images, and SPC statistics for comprehensive data storage

Supports report export and daily counting records with traceability for easy inventory management

Supports real-time printing of material codes and counting result labels, including 1D/2D barcodes

User interface: 24 inch display for clear and easy operation

Power supply: 220 V / 50 Hz with total power consumption of 800 W

Functions as an X-ray component counter and X-ray inventory counter for versatile applications

Technical Parameters:

Material Detection	Taped SMD Components (7-17 inch reels)
Component Size Support	Supports 01005 And Larger SMD Components (resistors, capacitors, inductors, crystal oscillators, LEDs, diodes, transistors, multi-pin ICs, etc.)
Accuracy Improvement	AI Deep Learning Algorithm, Automatically Improves Recognition Accuracy With More Use; Current Counting Accuracy $\geq 99.99\%$
Tube Voltage	80 KV
Printing Capability	Supports Real-time Printing Of Material Codes And Counting Result Labels (including 1D/2D Barcodes)
Component Size	Smallest Compatible Component: 01005
Counting Speed	Single Tray Or Four 7-inch Reels Simultaneous Counting

Radiation Safety	Radiation Leakage Dose < 1 µSv/h; Steel-lead-steel Housing; Leaded Glass Front Door; Safety Interlock (automatic Power Cut When Door Opened); Exemption Filing Obtained
Data Storage	Automatically Saves Counting Results, Images, And SPC Statistics; Supports Report Export; Daily Counting Records Automatically Generated With Traceability
Tray Diameter	Compatible With 7-inch Reels

Applications:

The Wisdomshow DS3000 Offline X-Ray Counter Machine is an advanced and versatile solution designed for precise and efficient counting of electronic components in various manufacturing and quality control environments. As a leading SMT X-ray counting machine, it is ideal for applications where accuracy and reliability are paramount. The DS3000 supports a wide range of component sizes, including 01005 and larger SMD components such as resistors, capacitors, inductors, crystal oscillators, LEDs, diodes, transistors, and multi-pin ICs, making it suitable for diverse electronic assembly processes.

This X-ray batch reel counter is especially useful in electronics manufacturing plants, where verifying the quantity of components on reels before production is critical to maintaining workflow efficiency and preventing shortages or overstock situations. The offline operation enables operators to count components without interrupting production lines, thus optimizing resource allocation and reducing downtime. Its high tube voltage of 80 KV ensures clear and detailed imaging, allowing for accurate identification and counting of even the smallest components.

Controlled via an Industrial PC (IPC) running Windows 10 64-bit Enterprise Edition, the DS3000 offers an intuitive interface operated through a mouse and keyboard, providing ease of use and seamless integration into existing quality control systems. The single tray or four-tray counting speed options enable flexible handling of different batch sizes, catering to both small-scale and large-scale production demands.

Additionally, the X-ray component counter automatically saves counting results, images, and SPC statistics, supporting comprehensive quality management and traceability. Users can export reports effortlessly, facilitating detailed analysis and documentation. Daily counting records are generated automatically, ensuring accurate record-keeping and compliance with industry standards. This makes the Wisdomshow DS3000 an indispensable tool for electronics manufacturers, procurement departments, and quality assurance teams seeking to enhance their component inventory management with precise, reliable, and efficient X-ray counting technology.

Support and Services:

Our Offline X-Ray Counter Machine is designed to provide accurate and efficient counting of X-ray images in various industrial and medical applications. For technical support and service inquiries, our team of experts is available to assist you with installation, troubleshooting, maintenance, and calibration of the machine.

We offer comprehensive support including user manual guidance, software updates, and hardware repairs to ensure optimal performance of your Offline X-Ray Counter Machine. Our technicians are trained to diagnose and resolve any issues promptly to minimize downtime.

Regular maintenance services are available to keep your machine operating at peak efficiency. This includes cleaning, component inspection, and replacement of worn parts. We also provide training sessions for your staff to effectively operate and maintain the equipment.

For any technical difficulties or service requests, please refer to the user manual troubleshooting section or contact our support team for personalized assistance. We are committed to delivering high-quality support to enhance your experience with our Offline X-Ray Counter Machine.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Counter Machine is carefully packaged to ensure it reaches you in perfect condition. The device is securely placed in a custom-fitted foam insert inside a sturdy cardboard box to prevent any damage during transit. All accessories, including power cables, user manuals, and calibration tools, are neatly packed alongside the main unit. The packaging is designed to be compact yet protective, minimizing space while maximizing safety.

Shipping:

We offer reliable and timely shipping services for the Offline X-Ray Counter Machine. Once your order is confirmed, the product will be dispatched within 2-3 business days. Shipping options include standard ground shipping, expedited shipping, and international delivery. Each shipment is tracked with a unique tracking number, allowing you to monitor the delivery status in real-time. We ensure that the product is insured during shipping to provide peace of mind against any unforeseen damages or losses.

FAQ:

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

A1: The Offline X-Ray Counter Machine is manufactured by Wisdomshow, and the model number is DS3000.

Q2: What types of X-ray films can the Wisdomshow DS3000 count?

A2: The DS3000 is designed to count various sizes and types of X-ray films accurately, making it suitable for medical and industrial applications.

Q3: Does the DS3000 require an internet connection to operate?

A3: No, the Wisdomshow DS3000 is an offline machine, so it operates independently without needing an internet connection.

Q4: How user-friendly is the DS3000 for first-time users?

A4: The DS3000 features a straightforward interface and easy-to-follow instructions, making it accessible for users with minimal technical experience.

Q5: What are the power requirements for the Wisdomshow DS3000?

A5: The DS3000 is powered by a standard electrical outlet, typically operating on 110-240V AC, ensuring compatibility with most power supplies.



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