



Offline X-Ray Counter Machine with 99.99% Counting Accuracy, Radiation Leakage Dose < 1 μ Sv/h, and 24-inch User Interface

Our Product Introduction

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Basic Information

- Brand Name: Wisdomshow
- Model Number: DS3000



Product Specification

- User Interface: 24
- Control Type: Industrial PC (IPC) Control, Windows 10 64-bit Enterprise Edition, Operated Via Mouse/keyboard
- Tray Diameter: Compatible With 7
- Power: Power Supply: 220 V / 50 Hz; Total Power: 800 W
- Tube Voltage: 80 KV
- Counting Speed: Single Tray Or Four 7
- Radiation Safety: Radiation Leakage Dose < 1 μ Sv/h; Steel-lead-steel Housing; Leaded Glass Front Door; Safety Interlock (automatic Power Cut When Door Opened); Exemption Filing Obtained
- Material Detection: Taped SMD Components (7-17)



More Images



Product Description:

The Offline X-Ray Counter Machine is a cutting-edge solution designed specifically for precise and efficient counting of SMT components. As an advanced X-ray inventory counter, this machine combines high accuracy with robust safety features, making it an indispensable tool for electronics manufacturing and inventory management. It excels in handling various SMT components, ensuring reliable counts and seamless integration into production workflows.

One of the standout features of this SMT component X-ray counter is its commitment to radiation safety. The machine is engineered with a steel-lead-steel housing that provides superior shielding, effectively minimizing radiation leakage. The radiation leakage dose is kept exceptionally low, at less than 1 µSv/h, ensuring a safe operating environment for users. Additionally, the leaded glass front door allows operators to safely observe the counting process without exposure to harmful radiation. Safety interlock systems are incorporated, automatically cutting power when the door is opened, further enhancing user protection. The device has also obtained exemption filing, underscoring its compliance with stringent radiation safety standards.

The Offline X-Ray Counter Machine supports a tray diameter compatible with 7-inch trays, providing versatility to accommodate a wide range of component packaging formats. This adaptability ensures that the machine can be easily integrated into existing production lines or inventory systems without the need for extensive modifications or additional equipment.

Data storage and management are critical elements of modern manufacturing processes, and this SMT X-ray counting machine excels in this domain. It automatically saves counting results, images, and Statistical Process Control (SPC) statistics, enabling comprehensive tracking and quality control. Users can export reports effortlessly, facilitating documentation and analysis. Daily counting records are generated automatically, providing traceability and helping manufacturers maintain accurate inventory logs and ensure component availability throughout production cycles.

The machine supports a broad range of component sizes, including the ultra-small 01005 size and larger SMD components. This capability encompasses a variety of components such as resistors, capacitors, inductors, crystal oscillators, LEDs, diodes, transistors, and multi-pin integrated circuits (ICs). This wide-ranging compatibility makes the Offline X-Ray Counter Machine a versatile tool suitable for diverse electronic manufacturing needs, from simple passive components to complex ICs.

Material detection is optimized for taped SMD components with sizes ranging from 7mm to 17mm. This feature ensures that the machine accurately identifies and counts components packaged in tape form, which is a common packaging method in surface-mount technology. The precise material detection capability reduces counting errors and enhances inventory accuracy, directly contributing to improved production efficiency and reduced material wastage.

In summary, the Offline X-Ray Counter Machine is an essential SMT X-ray counting machine that offers unparalleled accuracy, safety, and versatility. Its advanced radiation protection measures, compatibility with a wide range of component sizes, and comprehensive data management features make it an excellent choice for any electronics manufacturer or inventory manager seeking to enhance their counting process. By utilizing this state-of-the-art X-ray inventory counter, organizations can streamline their SMT component handling, improve traceability, and maintain stringent quality control standards throughout their production operations.

Features:

Product Name: Offline X-Ray Counter Machine

High Accuracy: Utilizes AI Deep Learning Algorithm that automatically improves recognition accuracy with more use; current counting accuracy ≥ 99.99%

Component Size Support: Supports 01005 and larger SMD components including resistors, capacitors, inductors, crystal oscillators, LEDs, diodes, transistors, multi-pin ICs, and more

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

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

Tube Voltage: 80 KV for effective X-ray imaging

Ideal for use as an X-ray component counter, X-ray electronic parts counter, and X-ray part counting machine

Technical Parameters:

Printing Capability	Supports Real-time Printing Of Material Codes And Counting Result Labels (including 1D/2D Barcodes)
Accuracy Improvement	AI Deep Learning Algorithm, Automatically Improves Recognition Accuracy With More Use; Current Counting Accuracy ≥ 99.99%
Material Detection	Taped SMD Components (7-17)
Component Size Support	Supports 01005 And Larger SMD Components (resistors, Capacitors, Inductors, Crystal Oscillators, LEDs, Diodes, Transistors, Multi-pin ICs, Etc.)
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
Power	Power Supply: 220 V / 50 Hz; Total Power: 800 W
User Interface	24"

Control Type	Industrial PC (IPC) Control, Windows 10 64-bit Enterprise Edition, Operated Via Mouse/keyboard
Tray Diameter	Compatible With 7"

Applications:

The Wisdomshow DS3000 Offline X-Ray Counter Machine is a highly advanced X-ray SMD reel counter designed for precise and non-destructive counting of electronic components. Its robust steel-lead-steel housing, combined with a leaded glass front door and safety interlock system, ensures radiation leakage dose remains below 1 µSv/h, providing a safe working environment for operators. This X-ray non-destructive counting machine is ideal for electronics manufacturers, quality control departments, and component distributors who require accurate inventory management without compromising component integrity.

The DS3000 model is equipped with a user-friendly 24-inch interface, making operation intuitive and efficient for users at various skill levels. It supports the detection and counting of taped SMD components ranging from sizes 7 to 17, enabling precise handling of a wide variety of component reels. The machine's power supply of 220 V / 50 Hz and total power consumption of 800 W ensure stable and consistent performance in industrial settings.

One of the key application occasions for the Wisdomshow DS3000 X-ray component counter includes electronics manufacturing lines where accurate component counting is critical for minimizing production downtime and preventing material shortages. It is also well-suited for warehouse inventory management, allowing staff to quickly verify reel quantities without opening packaging, thus maintaining component integrity and reducing contamination risks.

In quality assurance laboratories, this X-ray non-destructive counting machine facilitates detailed inspection and traceability through its automated data storage capabilities. Counting results, X-ray images, and SPC statistics are automatically saved, with daily counting records generated to support traceability and report export functions. This feature is particularly useful for compliance documentation and process optimization.

Additionally, the DS3000 is an excellent solution for component distributors and procurement departments who need to verify reel quantities before shipment or acceptance. The accurate and non-invasive counting process reduces human error and speeds up workflow in busy logistics environments. The exemption filing obtained for radiation safety further assures compliance with regulatory standards during all operational scenarios.

Overall, the Wisdomshow DS3000 Offline X-ray SMD reel counter offers versatile applications across production, quality control, inventory management, and logistics, making it an indispensable tool for anyone requiring reliable and safe X-ray component counting solutions.

Support and Services:

Our Offline X-Ray Counter Machine is designed to provide precise and reliable counting of X-ray images and films in various industrial and medical applications. To ensure optimal performance and longevity of your machine, we offer comprehensive technical support and services.

Technical Support:

Our expert technical support team is available to assist you with installation, configuration, and troubleshooting of the Offline X-Ray Counter Machine. We provide detailed user manuals and online resources to guide you through the setup process. Should you encounter any operational issues, our support staff can help diagnose and resolve problems efficiently to minimize downtime.

Maintenance Services:

Regular maintenance is essential for the accurate functioning of the X-Ray Counter Machine. We offer scheduled maintenance services that include calibration checks, software updates, and hardware inspections to ensure your device consistently meets performance standards.

Repair Services:

In the event of hardware malfunctions or component failures, our repair services are available to restore your machine to full working order. We use genuine parts and follow strict quality protocols to maintain the integrity and accuracy of your equipment.

Training and Consultation:

To maximize the benefits of the Offline X-Ray Counter Machine, we provide training sessions for your staff on proper usage, safety protocols, and best practices. Additionally, our consultants can assist in optimizing your counting processes to improve efficiency and accuracy.

Software Support:

We offer software support including updates, patches, and customization options tailored to your specific operational requirements. Our team ensures that your machine's software remains up-to-date with the latest features and security enhancements.

Warranty and Service Agreements:

The Offline X-Ray Counter Machine comes with a standard warranty covering manufacturing defects and performance issues. Extended service agreements are also available, providing ongoing support and priority service to keep your operations running smoothly.

For further assistance and detailed information about our technical support and services, please refer to the product documentation or visit our official support portal.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Counter Machine is carefully packaged to ensure safe delivery. Each unit is securely placed in a custom-fit foam insert to prevent movement and absorb shocks during transit. The machine is then enclosed in a sturdy, double-walled corrugated cardboard box. Additional protective layers such as bubble wrap or anti-static bags are used to safeguard sensitive electronic components. All accessories, cables, and user manuals are neatly packed alongside the main unit. The packaging is clearly labeled with handling instructions and product details for easy identification.

Shipping:

The Offline X-Ray Counter Machine is shipped using reliable courier services with tracking options available. Depending on customer requirements and destination, shipping can be arranged via air, sea, or land transport. Prior to dispatch, each package undergoes a quality check to confirm that the product is intact and properly packed. Shipping documentation, including invoices and customs paperwork, is prepared to ensure smooth delivery. Estimated delivery times will be communicated to the customer, and support is available for any shipping inquiries or issues.

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 DS3000 Offline X-Ray Counter Machine handle?

A2: The Wisdomshow DS3000 is designed to handle a variety of X-ray films, including standard medical X-ray films and other radiographic films used in diagnostic imaging.

Q3: How does the Offline X-Ray Counter Machine DS3000 operate without an internet connection?

A3: The Wisdomshow DS3000 is equipped with built-in software that allows it to count and process X-ray films offline, ensuring accurate results without the need for an internet connection.

Q4: What are the main benefits of using the Wisdomshow DS3000 Offline X-Ray Counter Machine?

A4: The DS3000 offers fast and accurate counting of X-ray films, reduces manual errors, improves workflow efficiency, and operates independently without requiring network connectivity.

Q5: Is the DS3000 compatible with other imaging equipment or software?

A5: The Wisdomshow DS3000 is primarily designed as a standalone counter machine, but it can be integrated with various imaging workflows depending on the setup. Please refer to the user manual for specific compatibility details.



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