



Offline X-Ray Counter Machine with 01005 Component Size 80 KV Tube Voltage and Safety Interlock

Our Product Introduction

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Basic Information

- Brand Name: Wisdomshow
- Model Number: DS3000



Product Specification

- 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
- Tray Diameter: Compatible With 7
- Material Detection: Taped SMD Components (7-17
- Printing Capability: Supports Real-time Printing Of Material Codes And Counting Result Labels (including 1D/2D Barcodes)
- Power: Power Supply: 220 V / 50 Hz; Total Power: 800 W
- Component Size: Smallest Compatible Component: 01005
- Counting Speed: Single Tray Or Four 7



More Images



Product Description:

The Offline X-Ray Counter Machine is a state-of-the-art X-ray component counter designed to deliver precise and efficient counting solutions for electronic components. As an AI-powered X-ray reel counter, this intelligent X-ray counting system integrates advanced technology with user-friendly operation, making it an indispensable tool for manufacturers and quality control teams in the electronics industry.

One of the standout features of this X-ray component counter is its robust data storage capability. The system automatically saves all counting results, images, and Statistical Process Control (SPC) statistics, ensuring comprehensive traceability and data integrity. Daily counting records are generated automatically, providing an organized and reliable log of all operations. Users can easily export detailed reports, allowing for seamless integration with other quality management and inventory systems. This feature not only enhances productivity but also supports regulatory compliance and audit readiness.

Control of the Offline X-Ray Counter Machine is facilitated through an Industrial PC (IPC) running Windows 10 64-bit Enterprise Edition. The interface is designed for intuitive operation via mouse and keyboard, offering a familiar and efficient user experience. This control type ensures stable performance and compatibility with a wide range of industrial software applications, making the system versatile and adaptable to different production environments.

Powering the machine requires a standard 220 V / 50 Hz power supply, with a total power consumption of 800 W. This efficient power design balances performance with energy consumption, making it suitable for continuous operation in demanding manufacturing settings without excessive energy costs.

The Offline X-Ray Counter Machine is compatible with trays up to a diameter of 7 inches, accommodating various sizes of component reels. This flexibility allows it to handle a broad spectrum of components, from small resistors and capacitors to larger integrated circuits, making it a versatile solution for diverse counting needs.

In addition to its advanced counting capabilities, the system supports real-time printing of material codes and counting result labels. This includes both 1D and 2D barcodes, enabling quick and accurate labeling for inventory management and tracking. The ability to print labels on demand streamlines the workflow, reducing manual errors and enhancing operational efficiency.

As an intelligent X-ray counting system, the Offline X-Ray Counter Machine leverages AI technology to accurately identify and count components on reels without the need for manual intervention. This automation reduces human error, increases counting speed, and improves overall production accuracy. The AI-powered X-ray reel counter is particularly effective in detecting components that are densely packed or overlapping, a common challenge in traditional counting methods.

In summary, the Offline X-Ray Counter Machine combines cutting-edge AI technology with practical design features to deliver a reliable, efficient, and user-friendly solution for electronic component counting. Its comprehensive data storage and reporting capabilities, robust industrial PC control, energy-efficient power usage, tray compatibility, and real-time printing functionality make it an essential tool for modern electronics manufacturing and quality control. Choosing this intelligent X-ray counting system means investing in accuracy, traceability, and operational excellence.

Features:

- Product Name: Offline X-Ray Counter Machine
- Features AI Deep Learning Algorithm that automatically improves recognition accuracy with more use
- Current Counting Accuracy ≥ 99.99%
- Control Type: Industrial PC (IPC) Control with Windows 10 64-bit Enterprise Edition
- Operated via mouse and keyboard for ease of use
- Power Supply: 220 V / 50 Hz with total power consumption of 800 W
- Compatible Tray Diameter: 7 inches
- Tube Voltage: 80 KV for optimal X-ray performance
- Ideal for use as an X-ray SMD reel counter, X-ray electronic parts counter, and X-ray fast reel counter

Technical Parameters:

Accuracy Improvement	AI Deep Learning Algorithm, Automatically Improves Recognition Accuracy With More Use; Current Counting Accuracy ≥ 99.99%
Counting Speed	Single Tray Or Four 7
Power	Power Supply: 220 V / 50 Hz; Total Power: 800 W
Component Size	Smallest Compatible Component: 01005
Tube Voltage	80 KV
Material Detection	Taped SMD Components (7-17
User Interface	24

Radiation Safety	Radiation Leakage Dose < 1 µSv/h; Steel-lead-steel Housing; Leadless 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
Printing Capability	Supports Real-time Printing Of Material Codes And Counting Result Labels (including 1D/2D Barcodes)

Applications:

The Wisdomshow DS3000 Offline X-Ray Counter Machine is an advanced solution designed for diverse industrial applications requiring precise, non-destructive counting of components. As a state-of-the-art X-ray non-destructive counting machine, it excels in environments where accuracy and efficiency are paramount. Its compatibility with 7-inch trays makes it ideal for handling a wide range of component reels commonly used in electronics manufacturing.

This Smart X-ray reel counter is particularly suitable for SMT (Surface Mount Technology) production lines where verifying component quantities without damaging the reels is critical. The DS3000 integrates seamlessly with industrial workflows thanks to its Industrial PC (IPC) control system running Windows 10 64-bit Enterprise Edition, ensuring reliable and user-friendly operation via mouse and keyboard. The intuitive 24-inch user interface enhances ease of use, allowing operators to monitor counting processes and results effortlessly.

In factories and quality control laboratories, the Wisdomshow DS3000 proves indispensable for inventory management and verification tasks. Its 80 KV tube voltage allows for clear imaging of components inside reels, enabling the X-ray SMT reel counter to count even densely packed or opaque reels with high precision. This non-destructive method eliminates the risk of damaging sensitive electronic components, preserving their integrity throughout the counting process.

Additionally, the DS3000's comprehensive data storage capabilities automatically save counting results, images, and SPC (Statistical Process Control) statistics, providing valuable insights for production optimization. The machine supports report export and generates daily counting records with full traceability, facilitating quality assurance and audit compliance. This makes it an excellent choice for industries that demand stringent documentation and tracking of component usage.

Overall, the Wisdomshow DS3000 Offline X-Ray Counter Machine is perfectly suited for electronics manufacturers, suppliers, and quality control centers aiming to enhance accuracy, efficiency, and traceability in component counting. Its combination of advanced X-ray technology, robust control system, and comprehensive data management makes it a trusted tool for modern production and inspection scenarios.

Support and Services:

Our Offline X-Ray Counter Machine is designed to provide accurate and efficient counting of X-ray films and related materials. For technical support, please ensure the machine is placed on a stable surface and connected to a compatible power source. Regular maintenance includes cleaning the sensor area with a soft, dry cloth to avoid any obstruction or miscounts.

If you encounter any operational issues, refer to the user manual's troubleshooting section for common problems such as power failure, sensor errors, or counting inaccuracies. Restarting the machine often resolves minor glitches.

We offer comprehensive services including installation assistance, calibration, and periodic software updates to enhance machine performance. Our technical team is dedicated to providing prompt support to maximize your machine's uptime and reliability.

For optimal results, use the machine within the recommended environmental conditions specified in the manual, avoiding excessive dust, humidity, and temperature extremes. Always handle the machine with care to prevent mechanical damage.

Should you require advanced technical service or spare parts replacement, please schedule a service appointment with our authorized technicians to ensure the use of genuine components and maintain warranty coverage.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Counter Machine is carefully packaged to ensure safety during transportation. It is securely placed in a sturdy, custom-fitted foam insert within a durable cardboard box to prevent any movement or damage. All accessories and components are individually wrapped and organized in labeled compartments. The packaging is designed to be moisture-resistant and impact-resistant, providing optimal protection against environmental factors.

Shipping:

The product is shipped via reliable courier services with tracking options available for customer convenience. Each shipment includes a detailed packing list and user manual. For international orders, necessary customs documentation is provided to ensure smooth delivery. We recommend inspecting the package upon receipt and reporting any damages immediately to facilitate prompt resolution.

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: Can the DS3000 Offline X-Ray Counter Machine operate without an internet connection?

A2: Yes, the DS3000 is designed to function offline, allowing you to count X-ray images without needing an internet connection.

Q3: What types of X-ray images can the Wisdomshow DS3000 count?

A3: The DS3000 is compatible with various types of X-ray images, including dental, medical, and industrial X-rays.

Q4: How user-friendly is the DS3000 Offline X-Ray Counter Machine?

A4: The DS3000 is designed with an intuitive interface that makes it easy for users to operate without extensive training.

Q5: What are the main benefits of using the Wisdomshow DS3000 Offline X-Ray Counter Machine?

A5: The DS3000 offers accurate counting, offline functionality, portability, and compatibility with multiple X-ray formats, making it a reliable tool for medical and industrial use.



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