



Air-cooled Offline X-Ray Counter Machine with Tray Diameter Range 7 To 15 Inches and Max Tray Thickness 80mm

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: WisdomshowWi
- Model Number: DS3000



Product Specification

- Core Components: PLC
- Tube Voltage: 50-80kv
- Detector Category: Amorphous Silicon
- Countingmethod: X-Ray Imaging Technology
- Tray Diameter Range: 7 To 15 Inches
- Cooling Method Of Bare Air-cooled Pipe:
- Tube Current: 0.2-0.6mA
- Countingspeed: Up To 1000 Pieces Per Minute
- Highlight: **Air-cooled X-Ray Counter Machine, Tray Diameter Range 7 To 15 Inches X-Ray Component Counter**
Max Tray Thickness 80mm X-Ray Inventory Counter



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Product Description:



The Offline X-Ray Counter Machine is a state-of-the-art device designed to revolutionize the way manufacturers and quality control professionals count and inspect electronic components. This advanced machine integrates an intelligent X-ray counting system, providing unparalleled accuracy and efficiency in counting various X-ray tape and reel materials as well as X-ray SMD parts. Tailored to meet the demanding needs of modern electronics production lines, this machine ensures precise component counting without compromising speed or reliability.

One of the standout features of this Offline X-Ray Counter Machine is its compatibility with a wide range of tray sizes, accommodating a maximum tray size of 17 inches. This flexibility allows users to handle different reel sizes seamlessly, enhancing productivity and reducing the need for frequent adjustments. Additionally, the machine can manage trays with a maximum thickness of up to 80mm, making it suitable for various packaging formats and component sizes. The tray diameter range supported by the machine spans from 7 to 15 inches, further expanding its versatility and applicability across diverse electronic parts.

With its compact dimensions of 308*1335*1968mm, the Offline X-Ray Counter Machine is designed to fit comfortably within production environments without occupying excessive floor space. Despite its relatively small footprint, the machine boasts robust construction and sophisticated internal mechanisms that deliver consistent performance over extended periods. Its design emphasizes ease of use, allowing operators to set up and begin counting quickly, minimizing downtime and maximizing throughput.

Cooling is a critical aspect of maintaining the machine's optimal performance, especially during prolonged operation. The Offline X-Ray Counter Machine employs an air-cooled cooling method using bare pipes, which ensures effective heat dissipation and maintains stable operating temperatures. This cooling system not only enhances the machine's longevity but also contributes to energy efficiency and quieter operation compared to liquid cooling alternatives. The air-cooled bare pipe design simplifies maintenance and reduces the risk of coolant leaks or other related issues.

The core of this product lies in its intelligent X-ray counting system, which leverages advanced imaging technology to detect and count components with exceptional precision. Unlike traditional counting methods that rely on manual input or optical sensors, the X-ray technology penetrates through packaging materials to accurately identify the quantity of components inside the tape and reel. This makes it an invaluable tool for counting X-ray tape and reel components as well as X-ray SMD parts, which are often difficult to count accurately due to their small size and packaging complexity.

Furthermore, the intelligent X-ray counting system integrates sophisticated software algorithms that analyze the captured X-ray images in real time, automatically adjusting for variations in component orientation, spacing, and packaging inconsistencies. This automation significantly reduces human error and enhances counting reliability, making it ideal for high-volume manufacturing environments where precision is paramount. Operators benefit from clear digital readouts and user-friendly interfaces that provide instant feedback and reporting capabilities.

In summary, the Offline X-Ray Counter Machine is a cutting-edge solution designed to meet the evolving needs of electronics manufacturing and quality assurance. Its ability to handle trays up to 17 inches in size and 80mm in thickness, combined with a tray diameter range of 7 to 15 inches, offers unmatched versatility. The compact size and air-cooled bare pipe cooling method ensure practical and reliable operation. Central to its functionality is the intelligent X-ray counting system, which delivers accurate, fast, and automated counting of X-ray tape and reel components and X-ray SMD parts. This machine represents a significant advancement in component counting technology, helping businesses improve efficiency, reduce errors, and maintain stringent quality standards.

Features:

Product Name: Offline X-Ray Counter Machine

Thickness of Tray: 80mm for sturdy and reliable material placement

Tube Voltage: Adjustable range from 50-80kV for optimal X-ray penetration

Cooling Method of Bare Pipe: Efficient air-cooled system to maintain operational stability
Core Components: Equipped with advanced PLC for precise control and automation
Detector Category: Utilizes Amorphous Silicon detectors for high sensitivity and accuracy
Integrated X-ray material counting system designed for accurate inventory management
Functions as a reliable X-ray inventory counter to streamline stocktaking processes
Operates as an X-ray non-destructive counting machine ensuring material integrity during inspection

Technical Parameters:

Material Compatibility	Metal, Plastic, Ceramic Components
Cooling Method of Bare Pipe	Air-cooled
Counting Speed	Up To 1000 Pieces Per Minute
Max Tray Size	17 Inches
Tube Voltage	50-80kv
Size	308*1335*1968mm
Core Components	PLC
Max Tray Thickness	80mm
Barcode Scanning	Built-in Multi-camera System
Counting Method	X-Ray Imaging Technology

Applications:

The WisdomshowWi DS3000 Offline X-Ray Counter Machine, originating from Shenzhen, China, is a state-of-the-art solution designed to revolutionize the way electronic components are counted and inventoried. Utilizing advanced X-ray imaging technology, this X-ray inventory counter offers unparalleled accuracy and efficiency, especially suitable for 01005-sized components, which are traditionally challenging to count with conventional methods.

This X-ray component counter is ideal for use in various industrial and manufacturing settings where precision and speed are paramount. Electronics manufacturers, quality control laboratories, and component distributors can seamlessly integrate the DS3000 into their operations to streamline inventory management and reduce human error. Its capability to handle components placed on trays with a thickness of up to 80mm ensures flexibility in counting different packaging styles and quantities.

The DS3000's built-in multi-camera system enhances the barcode scanning process, enabling simultaneous verification and counting of components, thereby improving workflow efficiency. With a tube current adjustable between 0.2 to 0.6mA, the machine optimizes X-ray exposure to ensure clear imaging without damaging sensitive electronic parts. This makes the WisdomshowWi DS3000 not only an X-ray component counter but also a reliable tool for maintaining component integrity during the counting process.

Common application scenarios for the WisdomshowWi DS3000 include inventory audits in electronic assembly plants, stock verification in component warehouses, and quality assurance checkpoints in SMT (Surface Mount Technology) production lines. It also excels in R&D departments where precise component quantification is critical for prototyping and testing phases. Additionally, the offline functionality allows for portable use, making it convenient for on-site inventory checks and remote operations without the need for continuous network connectivity.

In summary, the WisdomshowWi DS3000 Offline X-Ray Counter Machine is an indispensable asset for any operation requiring accurate, fast, and non-destructive counting of small electronic components. Its cutting-edge X-ray imaging technology, combined with a robust multi-camera barcode scanning system, delivers superior performance in diverse application occasions, from manufacturing floors to research labs, ensuring component inventory is always precise and efficiently managed.

Customization:

WisdomshowWi offers customized product solutions for the Offline X-Ray Counter Machine, model DS3000, designed and manufactured in Shenzhen, China. This advanced SMT X-ray inventory counter supports component sizes as small as 01005-sized components, ensuring precise and reliable counting for even the tiniest parts. With a compact size of 308*1335*1968mm and air-cooling bare pipe technology, the machine operates efficiently and maintains optimal performance.

Equipped with cutting-edge X-Ray Imaging Technology as its counting method, the DS3000 provides accurate and non-invasive counting of components, making it an ideal X-ray parts counter for reels. The integration of a robust PLC as a core component guarantees stable and programmable operation tailored to your specific inventory counting needs.

This X-ray automated reel counter is perfect for SMT production lines seeking to streamline inventory management and improve accuracy in component counting. WisdomshowWi's customization services ensure that the Offline X-Ray Counter Machine meets your exact requirements, delivering a reliable and high-performance solution for your SMT inventory processes.

Support and Services:

Our Offline X-Ray Counter Machine is designed to provide accurate and efficient counting of various items using advanced X-ray technology. For technical support, please ensure the machine is properly installed according to the user manual and connected to a stable power source.

If you encounter any issues with the device, such as inconsistent counting results or operational errors, first perform a system reset and recalibrate the machine following the calibration procedure outlined in the manual.

Regular maintenance is recommended to keep the machine functioning optimally. This includes cleaning the X-ray sensor area, checking for any hardware damage, and updating the device firmware when updates are available.

For software-related support, ensure that the software version installed is compatible with your hardware. Refer to the included software guide for troubleshooting tips and instructions on how to use the machine's features effectively.

Our technical support team is available to assist with advanced troubleshooting, repairs, and replacement parts. Please have your

product serial number and purchase details ready when seeking assistance.

We also offer training services to help users maximize the benefits of the Offline X-Ray Counter Machine, including hands-on demonstrations and detailed operational guidance.

For warranty information and service policies, please refer to the warranty documentation provided with your product.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Counter Machine is carefully packaged to ensure maximum protection during transit. It is securely enclosed in a sturdy, custom-designed cardboard box with foam padding to absorb shocks and prevent damage. All accessories and components are individually wrapped and organized within the package to avoid movement and potential harm. The packaging is clearly labeled with handling instructions and product details for easy identification.

Shipping:

The product is shipped via reliable courier services that offer tracking and insurance options to guarantee safe delivery. Depending on the destination, the Offline X-Ray Counter Machine can be shipped internationally or domestically with estimated delivery times provided upon order confirmation. Special care is taken to comply with all shipping regulations and to ensure the machine arrives in optimal condition, ready for immediate installation and use.



Shenzhen Wisdomshow Technology Co.,Ltd



+86 18926538696



elysia.li@wdsbga.cn



bgaxraymachine.com

No.6,Haosi Western Industry,Shangjing Town,Bao'an District,Shenzhen,China