



Wisdom DS-3000 Offline X-Ray Counter Machine with 0.2-0.6mA Tube Current and 7 to 15 Inches Tray Diameter Range Featuring Amorphous Silicon Detector

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: WisdomshowWi
- Model Number: DS3000
- Minimum Order Quantity: 1
- Price: US \$26880-29990

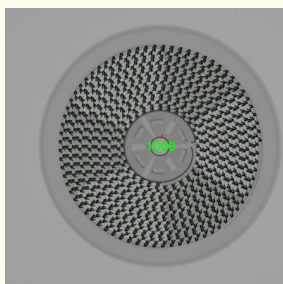


Product Specification

- Max Tray Size: 17 Inches
- Thickness Of Tray: 80mm
- Countingmethod: X-Ray Imaging Technology
- Core Components: PLC
- Detector Category: Amorphous Silicon
- Size: 308*1335*1968mm
- Bare Pipe Cooling: Air-cooling
- Voltage: 220V 50-60Hz
- Accuracy Improvement: Through Historical Data
- Ai Technology: Deep Learning
- Supply Voltage: 220V 50/60Hz
- Focus Size: 35µm
- Label Printing: Built-in



More Images



Product Description:

The Offline X-Ray Counter Machine is an advanced and reliable solution designed for precise and efficient counting of SMD components using cutting-edge X-ray technology. This device is specifically engineered to meet the demanding needs of modern electronics manufacturing, where accuracy and speed in component counting are crucial for maintaining production efficiency and quality control. As an X-ray SMD parts counter, this machine excels in providing detailed and accurate counts of small and densely packed electronic components, which are often challenging to count using traditional optical methods.

At the heart of this Offline X-Ray Counter Machine is the X-ray material counting system, which employs a highly sensitive amorphous silicon detector to capture clear and detailed images of components. The detector category of amorphous silicon ensures excellent imaging resolution and stability, enabling the machine to accurately distinguish and count various types of SMT components regardless of their size, shape, or packaging. This advanced detection technology allows manufacturers to achieve a higher degree of accuracy in component inventory management and quality assurance processes.

The machine operates within a tube current range of 0.2-0.6mA, which is carefully calibrated to provide optimal X-ray intensity for counting purposes while ensuring safety and energy efficiency. The adjustable tube current allows the system to handle a wide variety of components with different densities and materials, enhancing its versatility as an SMT component X-ray counter. This flexibility makes the Offline X-Ray Counter Machine suitable for use in a broad spectrum of applications, from small batch production to high-volume manufacturing environments.

Cooling is a critical aspect of the machine's operation, and this product features an air-cooling system for bare pipe cooling. This effective cooling method ensures that the X-ray tube and other internal components maintain stable operating temperatures during prolonged use, thereby extending the lifespan of the equipment and minimizing downtime. The air-cooling system also contributes to the machine's overall low maintenance requirements, making it a cost-effective choice for manufacturers seeking reliable and durable counting solutions.

Integral to the machine's performance and user interface is its core component, the PLC (Programmable Logic Controller). The PLC provides robust control over the counting process, enabling precise coordination between the X-ray source, detector, and data processing units. This ensures seamless operation and real-time processing of counting data, which can be crucial for integrating the machine into existing production lines or inventory systems. The PLC also allows for easy customization and adaptation of counting parameters to suit specific production needs and component types.

One of the standout features of this Offline X-Ray Counter Machine is its built-in multi-camera system for barcode scanning. This capability enhances the machine's functionality by enabling automatic identification and tracking of component reels and packaging through barcode recognition. The integration of a multi-camera system streamlines the counting workflow, reduces human error, and facilitates efficient inventory management. By combining barcode scanning with precise X-ray counting, the system offers a comprehensive solution that improves traceability and accountability in component handling.

In summary, the Offline X-Ray Counter Machine represents a state-of-the-art solution for manufacturers and suppliers who require accurate, fast, and reliable counting of SMT components. Its use of an amorphous silicon detector, adjustable tube current, air-cooling system, PLC core components, and built-in multi-camera barcode scanning makes it a versatile and powerful tool in the electronics industry. As an X-ray SMD parts counter and SMT component X-ray counter, this machine delivers unparalleled precision and efficiency, making it an essential asset for any facility focused on quality control and inventory accuracy. With the Offline X-Ray Counter Machine, businesses can optimize their production processes, reduce errors, and enhance overall operational effectiveness.

Features:

- Product Name: Offline X-Ray Counter Machine
- Tray Diameter Range: 7 to 15 Inches
- Max Tray Size: 17 Inches
- Tube Current: 0.2-0.6mA
- Supports 01005-sized Components
- Equipped with Core PLC Components
- Intelligent X-ray counting system for precise measurement
- Advanced X-ray electronic component counter functionality
- Specialized X-ray SMD reel counter capability

Technical Parameters:

Voltage	220V 50-60Hz
Core Components	PLC
Detector Category	Amorphous Silicon
Material Compatibility	Metal, Plastic, Ceramic Components
Bare Pipe Cooling	Air-cooling
Cooling Method of Bare Pipe	Air-cooled
Barcode Scanning	Built-in Multi-camera System
Max Tray Size	17 Inches
Max Tray Thickness	80mm
Component Size Support	01005-sized Components

Applications:

The WisdomshowWi DS3000 Automatic X-ray component counter is an advanced solution designed for precise and efficient counting of electronic components. Originating from Shenzhen, China, this X-ray component counter operates on a reliable 220V 50-60Hz power supply and features air-cooling for bare pipe components, ensuring optimal performance during extended use. Its capability to support 01005-sized components makes it ideal for counting the smallest and most delicate SMD components in modern electronics manufacturing.

This SMD X-ray component counting machine excels in various application occasions, particularly in electronics manufacturing facilities where accuracy and speed are paramount. With a counting speed of up to 1000 pieces per minute, the DS3000 significantly boosts productivity by rapidly and accurately tallying large volumes of surface-mount devices without manual intervention. This makes it invaluable during production line quality control, inventory management, and packaging processes where component counts must be verified precisely to prevent errors and material waste.

The DS3000 is also highly suitable for use in electronics repair centers and research and development laboratories. In these scenarios, technicians and engineers require a dependable X-ray component counter that can handle a wide range of component sizes, including the ultra-small 01005 parts, to ensure accurate inventory tracking and component utilization. The air-cooled bare pipe system enhances the machine's reliability by maintaining stable operating temperatures, even during continuous operation.

Moreover, the WisdomshowWi DS3000 fits seamlessly into offline counting applications where automated solutions are needed to reduce human error and improve efficiency. Its compact design and user-friendly interface allow easy integration into existing workflows without demanding extensive space or complex setup procedures. Whether for batch counting before assembly or verifying components post-production, this automatic X-ray component counter offers a dependable and efficient solution tailored to the needs of modern electronic manufacturing and assembly environments.

Customization:

WisdomshowWi offers professional product customization services for the Offline X-Ray Counter Machine, model DS3000. Originating from Shenzhen, China, this advanced X-ray material counting system is designed to meet diverse industrial needs with precision and reliability.

The DS3000 features a tube voltage range of 50-80kv and supports tray diameters from 7 to 15 inches, ensuring compatibility with various PCB reels and components. Its air-cooled bare pipe cooling method guarantees optimal performance and durability during extended use.

Specially engineered to support 01005-sized components, this intelligent X-ray counting system provides accurate and efficient counting solutions for PCB reel X-ray counter applications. Customers can customize specifications based on their unique requirements, making the DS3000 a versatile and indispensable tool in modern manufacturing environments.

Support and Services:

Our Offline X-Ray Counter Machine is designed to provide precise and efficient counting of X-ray images for various applications. For technical support, please ensure your machine is connected to a stable power source and properly calibrated before use. Refer to the user manual for detailed setup instructions and troubleshooting tips.

If you encounter any operational issues, verify that the device's software is up to date and that all hardware components are securely installed. Regular maintenance, including cleaning of the sensor and display screen, will help maintain optimal performance.

We offer comprehensive services including installation guidance, routine maintenance, and repair support to ensure your Offline X-Ray Counter Machine operates smoothly. Our team is committed to assisting you with any technical concerns to maximize your equipment's lifespan and efficiency.

For advanced troubleshooting, please consult the diagnostic section of the manual or access our online resources for FAQs and instructional videos. We recommend scheduling periodic professional inspections to prevent potential malfunctions and to ensure compliance with safety standards.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Counter Machine is securely packaged using high-quality, durable materials to ensure safe transportation. Each unit is wrapped in anti-static foam and enclosed in a custom-fitted cardboard box to prevent any damage during handling. The packaging includes clear labels indicating the product model, handling instructions, and safety warnings.

Shipping:

We offer reliable shipping options to deliver the Offline X-Ray Counter Machine promptly and safely to your location. All packages are carefully inspected before dispatch and shipped via trusted carriers with tracking information provided. Shipping methods can be selected based on customer preferences, including standard, expedited, or freight shipping services. Proper documentation, including user manuals and warranty cards, is included with every shipment.

FAQ:

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

A1: The Offline X-Ray Counter Machine is branded WisdomshowWi, and the model number is DS3000.

Q2: Where is the WisdomshowWi DS3000 X-Ray Counter Machine manufactured?

A2: The WisdomshowWi DS3000 is manufactured in Shenzhen, China.

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

A3: Yes, the DS3000 is designed to operate offline, making it suitable for environments without reliable internet access.

Q4: What types of items can the WisdomshowWi DS3000 detect and count?

A4: The DS3000 can detect and count various items by using X-ray technology, commonly used for security screening and quality control.

Q5: Is the DS3000 user-friendly for operators without technical expertise?

A5: Yes, the WisdomshowWi DS3000 features an intuitive interface designed for ease of use by operators with minimal technical training.



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