



## Offline X-Ray Counter Machine with 01005 Component Size Support, 80 KV Tube Voltage, and Radiation Safety < 1 $\mu$ Sv/h

Our Product Introduction

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### Basic Information

- Brand Name: Wisdomshow
- Model Number: DS3000



### Product Specification

- Tray Diameter: Compatible With 7" To 17" Reels (standard 15", Upgradable To 17"), Minimum 7", Includes Smaller Bulk Materials
- Radiation Safety: Radiation Leakage Dose < 1  $\mu$ Sv/h; Steel-lead-steel Housing; Lead-lead-steel 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)
- Tube Voltage: 80 KV



### More Images



**Product Description:**

The Offline X-Ray Counter Machine is an advanced and highly efficient device designed to meet the demanding needs of modern electronics manufacturing and inventory management. This state-of-the-art X-ray component counter offers precise, reliable, and rapid counting of various electronic parts, making it an indispensable tool for any production line or quality control environment. With its cutting-edge technology and robust features, it stands out as a Smart X-ray reel counter that significantly enhances productivity and accuracy in component counting processes.

One of the core strengths of this X-ray electronic parts counter is its exceptional printing capability. The machine supports real-time printing of material codes and counting result labels, which can include both 1D and 2D barcodes. This feature ensures seamless integration with inventory systems, facilitating easy tracking, identification, and management of components. By enabling instant label printing, the Offline X-Ray Counter Machine helps reduce manual errors and speeds up the workflow, providing a comprehensive solution for component sorting and documentation.

Powering this sophisticated device is a reliable power supply of 220 V / 50 Hz, with a total power consumption of 800 W. This balance between power efficiency and performance ensures stable operation, even during prolonged use in busy manufacturing environments. The power configuration is optimized to support the machine's high-speed counting capabilities without compromising accuracy or reliability.

The Offline X-Ray Counter Machine is engineered to handle a wide range of component sizes, supporting 01005 and larger SMD components. This includes a vast array of electronic parts such as resistors, capacitors, inductors, crystal oscillators, LEDs, diodes, transistors, and multi-pin integrated circuits. This extensive component size compatibility makes it a versatile choice for electronics manufacturers dealing with diverse component inventories. Whether the components are tiny 01005 resistors or complex multi-pin ICs, this Smart X-ray reel counter ensures precise counting and minimal handling errors.

Control and operation of the machine are streamlined through an Industrial PC (IPC) running Windows 10 64-bit Enterprise Edition. The user-friendly interface can be navigated easily via mouse and keyboard, allowing operators to manage counting tasks efficiently. This IPC control system enhances the machine's performance by providing stable software support, easy updates, and smooth integration with other digital tools used in production and inventory management.

Efficiency is paramount in any component counting process, and the Offline X-Ray Counter Machine excels in this aspect with its impressive counting speed. It can process single trays or four 7-inch reels within just 6 to 8 seconds, significantly reducing downtime and accelerating throughput. This rapid counting ability ensures that production lines remain uninterrupted and inventory counts are completed swiftly, supporting lean manufacturing principles and just-in-time inventory management.

In summary, the Offline X-Ray Counter Machine is a highly capable and intelligent solution for electronic parts counting. Its combination of real-time label printing, broad component size support, industrial-grade control system, and rapid counting speed makes it a top choice for manufacturers and quality control teams. As a Smart X-ray reel counter and X-ray electronic parts counter, it provides unparalleled accuracy and efficiency, helping businesses streamline their operations and maintain tight control over component inventories. Investing in this machine means embracing advanced technology to meet the evolving challenges of modern electronics manufacturing.

**Features:**

Product Name: Offline X-Ray Counter Machine

Tray Diameter: Compatible with 7" to 17" reels (standard 15", upgradable to 17"), minimum 7", includes smaller bulk materials

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

Control Type: Industrial PC (IPC) control, Windows 10 64-bit Enterprise Edition, operated via mouse and keyboard

Accuracy Improvement: AI deep learning algorithm that automatically improves recognition accuracy with more use; current counting accuracy ≥ 99.99%

Application Keywords: X-ray SMD component counter, X-ray material counting system, SMT component X-ray counter

**Technical Parameters:**

|                        |   |
|------------------------|---|
| Printing Capability    | Supports Real-time Printing Of Material Codes And Counting Result Labels (including 1D/2D Barcodes)   |
| Counting Speed         | Single Tray Or Four 7" Reels: 6-8 Seconds   |
| Component Size Support | Supports 01005 And Larger SMD Components (resistors, Capacitors, Inductors, Crystal Oscillators, LEDs, Diodes, Transistors, Multi-pin ICs, Etc.)                        |
| Tube Voltage           | 80 KV   |
| Control Type           | Industrial PC (IPC) Control, Windows 10 64-bit Enterprise Edition, Operated Via Mouse/keyboard  |
| 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 |
| Tray Diameter          | Compatible With 7" To 17" Reels (standard 15", Upgradable To 17"), Minimum 7", Includes Smaller Bulk Materials  |
| Power                  | Power Supply: 220 V / 50 Hz; Total Power: 800 W   |

|                |  |
|----------------|--|
| Component Size | Smallest Compatible Component: 01005   |
| Data Storage   | Automatically Saves Counting Results, Images, And SPC Statistics; Supports Report Export; Daily Counting Records Automatically Generated With Traceability |

### Applications:

The Wisdomshow DS3000 Offline X-Ray Counter Machine is an advanced solution designed for precise and efficient counting of small electronic components. Originating from China, this state-of-the-art device supports component sizes as small as 01005 and larger, including SMD resistors, capacitors, inductors, crystal oscillators, LEDs, diodes, transistors, and multi-pin ICs. Its versatility makes it an indispensable tool in various industrial and manufacturing settings where accurate inventory management is critical.

One of the core application occasions for the DS3000 is within the X-ray component inventory system. Manufacturers and distributors of electronic components rely on accurate inventory data to streamline production lines and maintain quality control. The Wisdomshow DS3000, with its 80 KV tube voltage and AI deep learning algorithm, ensures exceptionally high recognition accuracy, reaching 99.99% or greater. This high level of precision minimizes errors in component counting, reducing waste and preventing costly production delays.

In addition, the DS3000 functions as a powerful X-ray non-destructive counting machine, allowing users to inspect and count components on reels without damaging them. This non-destructive approach is particularly valuable in quality assurance departments and electronic assembly plants where maintaining component integrity is paramount. The inclusion of a user-friendly 24" HDMI LCD monitor paired with mouse and keyboard operation simplifies the counting process, making it accessible to operators of varying skill levels.

The device also excels as an X-ray batch reel counter, ideal for batch processing and verification of reels before shipping or assembly. This application scenario is common in electronics manufacturing and distribution centers, where large volumes of components need to be quickly and accurately counted to ensure order fulfillment and inventory accuracy. The DS3000's AI-powered system continuously improves recognition accuracy with increased usage, adapting to different component types and packaging formats.

Overall, the Wisdomshow DS3000 Offline X-Ray Counter Machine is perfectly suited for electronics manufacturers, inventory management facilities, quality control laboratories, and distribution warehouses. It supports a wide range of component sizes and types, offers a high-precision, non-destructive counting method, and integrates seamlessly into X-ray component inventory systems. Its advanced AI deep learning capabilities and intuitive user interface make it a reliable, efficient, and scalable solution for modern electronic component counting needs.



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