



# Closed Tube Style Offline X-Ray Inspection Machine with 45 Degree Left Right Detector Tilt and Radiation Safety Below 1 Micro Sievert Per Hour

Our Product Introduction

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## Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: Wisdomshow
- Certification: CE FDA ISO
- Model Number: S7200
- Minimum Order Quantity: 1
- Packaging Details: Wooden case
- Delivery Time: 20 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union

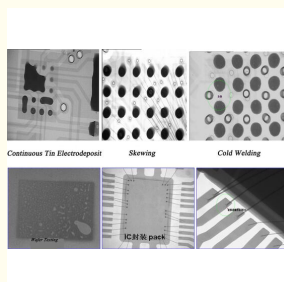


## Product Specification

- Focus Size: 5 Um
- User Interface: Touchscreen Control Panel
- Software: Image Processing Software
- Tube Style: Closed
- Loading Capacity: 10kg
- Detector Resolution: 1536×1536 Pixel
- Detector Tilt: 45° Left/right
- Image Frame Rate: 20fps
- Highlight: **Closed Tube Style Offline X-Ray Inspection Machine**  
**45 Degree Left Right Detector Tilt BGA X Ray Inspection Machine**  
**Radiation Safety Below 1 Micro Sievert Per**



## More Images



### Product Description:



The Offline X-Ray Inspection Machine is a state-of-the-art solution designed to meet the rigorous demands of modern industrial inspection processes. Engineered with precision and advanced technology, this machine is ideal for detecting internal defects and ensuring the quality of various electronic components and assemblies. One of the standout features of this inspection system is its automatic component recognition capability, which significantly enhances inspection efficiency and accuracy. By automatically identifying components, the machine reduces the need for manual input and minimizes human error, making it an indispensable tool in any quality control environment.

At the heart of the Offline X-Ray Inspection Machine lies a powerful Industrial X Ray Tube operating at a tube voltage of 90KV. This high voltage ensures deep penetration and excellent imaging quality, allowing for detailed visualization of complex internal structures. The Industrial X Ray Tube is meticulously designed to deliver consistent and reliable performance, which is crucial for thorough inspection of dense and multilayered materials. The 90KV tube voltage provides the optimal balance between image resolution and penetration, making it suitable for inspecting a wide range of components from simple electronic parts to intricate assemblies.

Accuracy is paramount in X-ray inspection, and this machine excels with its exceptional mounting accuracy of 0.01mm. Such precision ensures that components are positioned correctly during the inspection process, which is essential for producing clear and reliable images. This level of mounting accuracy is particularly beneficial when inspecting delicate or miniature components, where even the smallest misalignment can lead to inaccurate results. The high precision mounting system supports repeatability and consistency, critical factors in industrial quality assurance workflows.

The Offline X-Ray Inspection Machine also features a unique detector tilt capability, allowing the detector to tilt 45° left or right. This adjustable tilt provides enhanced flexibility in capturing images from different angles, enabling comprehensive inspection coverage. By tilting the detector, operators can better visualize hidden defects and complex internal structures that might be obscured in a traditional straight-on view. This feature is especially advantageous when inspecting components with complex geometries or densely packed assemblies, as it aids in identifying defects such as voids, cracks, or misalignments that are otherwise difficult to detect.

User interaction with the machine is streamlined through an intuitive touchscreen control panel. The user interface is designed for ease of use, allowing operators to quickly set inspection parameters, view real-time images, and adjust settings without the need for extensive training. The touchscreen control panel enhances operational efficiency by providing clear visual feedback and simple navigation, making the inspection process smoother and more user-friendly. This modern interface supports faster decision-making and improves overall productivity in industrial inspection environments.

As a BGA X Ray Inspection Machine, this product is specifically optimized for inspecting Ball Grid Array (BGA) components, which are commonly used in advanced electronic devices. The machine's high resolution and precise imaging capabilities allow for thorough examination of solder joints, ensuring that each connection meets stringent quality standards. This capability is critical for preventing failures in electronic devices, where defects in BGA solder joints can lead to significant reliability issues. The Offline X-Ray Inspection Machine's specialized focus on BGA inspection makes it an essential asset for manufacturers aiming to maintain high product quality and reduce warranty costs.

In summary, the Offline X-Ray Inspection Machine combines advanced features such as automatic component recognition, a robust 90KV Industrial X Ray Tube, ultra-high mounting accuracy of 0.01mm, flexible 45° detector tilt, and a user-friendly touchscreen control panel to deliver unmatched inspection performance. Its specialization as a BGA X Ray Inspection Machine further enhances its value in the electronics manufacturing sector. With this machine, industries can achieve superior quality control, minimize defects, and ensure the reliability of their products through precise and efficient X-ray inspection technology.

## Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is an advanced and reliable solution designed for a wide range of application occasions and scenarios in the electronics manufacturing and quality control industries. Originating from Shenzhen, China, this BGA X Ray Inspection Machine is equipped with a high-resolution detector boasting 1536×1536 pixels, ensuring precise and clear imaging for detailed inspection of complex assemblies.

In modern electronics manufacturing, the need for accurate inspection of Ball Grid Array (BGA) components is critical. The Wisdomshow S7200 BGA X Ray Inspection Machine excels in identifying defects such as solder joint issues, voids, and misalignments that are invisible to traditional optical inspection methods. Its closed Industrial X Ray Tube design enhances safety and stability, making it suitable for use in factory environments where consistent performance is essential.

The machine's image frame rate of 20fps, combined with a focus size of 5 micrometers, allows for rapid and highly detailed imaging, which is indispensable during the production process for real-time quality assurance. This speed and precision make the S7200 ideal for use in electronics manufacturing plants, research and development labs, and quality control departments. It effectively supports the inspection of PCB assemblies, semiconductor packages, and other intricate electronic components.

Additionally, the Wisdomshow S7200 is widely utilized in scenarios requiring non-destructive testing, such as failure analysis and process optimization. Its offline functionality enables thorough inspection without interrupting production lines, providing flexibility for manufacturers to maintain high standards of product quality. The machine's versatility also extends to educational institutions and training centers where technicians learn advanced inspection techniques.

Overall, the Wisdomshow S7200 Offline BGA X Ray Inspection Machine is an essential tool for industries demanding precision, reliability, and efficiency in X-ray inspection. Its combination of high detector resolution, fast image frame rate, and a robust Industrial X Ray Tube make it a preferred choice for professionals aiming to ensure the integrity and performance of electronic assemblies across various application scenarios.

## Customization:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is a high-precision Electronics X-Ray Machine designed and manufactured in Shenzhen, China. With an exceptional mounting accuracy of 0.01mm, this BGA X Ray Inspection Machine ensures precise and reliable inspection results for complex electronic components.

Equipped with a closed tube style and a micro-focus X-Ray tube, the S7200 delivers superior imaging quality with a focus size of just 5 um, making it ideal for detailed analysis and defect detection. This BGA X Ray Inspection Machine supports a loading capacity of up to 10kg, accommodating a wide range of electronic assemblies and components.

Wisdomshow offers product customization services for the S7200 model to meet your specific inspection requirements. Whether you need tailored software features, enhanced imaging capabilities, or customized hardware configurations, our team is committed to providing solutions that optimize your inspection process and improve production efficiency.

Choose the Wisdomshow S7200 Offline Electronics X Ray Machine for reliable, accurate, and customizable X-ray inspection solutions.

## Support and Services:

Our Offline X-Ray Inspection Machine is designed to provide high-precision, non-destructive testing for a wide range of applications. To ensure optimal performance and longevity of your equipment, we offer comprehensive technical support and services. Technical Support:

Our team of experienced engineers and technicians is available to assist you with installation, calibration, troubleshooting, and maintenance of the Offline X-Ray Inspection Machine. We provide detailed user manuals, software updates, and remote diagnostic services to minimize downtime and enhance operational efficiency.

### Training Services:

We offer customized training programs to help your operators and maintenance personnel become proficient in using the X-Ray Inspection Machine. Training covers machine operation, safety protocols, image analysis, and routine maintenance procedures.

### Maintenance and Repair:

Regular maintenance services are available to ensure your machine operates at peak performance. Our service plans include preventive maintenance, emergency repairs, and parts replacement with genuine components to maintain system integrity and reliability.

### Software and Firmware Updates:

We provide periodic software and firmware upgrades to improve functionality, add new features, and enhance system security. Updates can be delivered remotely or on-site, depending on your preference and operational requirements.

### Consultation and Customization:

Our technical experts can work with you to customize the Offline X-Ray Inspection Machine to meet specific inspection criteria or integrate it with other quality control systems. We offer consultancy services to optimize inspection processes and improve product quality.

### Warranty and Service Agreements:

The Offline X-Ray Inspection Machine comes with a standard warranty covering parts and labor. Extended service agreements are available to provide additional coverage and priority support tailored to your operational needs.

For optimal use and support of your Offline X-Ray Inspection Machine, we recommend regular communication with our technical team

and adherence to the maintenance schedules outlined in the user manual.

## Packing and Shipping:

### Product Packaging:

The Offline X-Ray Inspection Machine is carefully packaged using high-quality, durable materials to ensure safe transportation. The machine is first wrapped with protective foam and plastic film to prevent any scratches or damage. It is then placed inside a custom-fitted wooden crate designed to absorb shocks and vibrations during shipping. All delicate components and accessories are securely packed in separate compartments within the crate. Clear labeling and handling instructions are affixed to the packaging to guarantee proper care throughout the shipping process.

### Shipping:

We offer reliable shipping options for the Offline X-Ray Inspection Machine, including air freight and sea freight, depending on your location and urgency. The packaged machine is transported using trusted logistics providers who specialize in handling sensitive electronic equipment. Prior to shipping, the machine undergoes a thorough inspection and testing to ensure it is in optimal condition. Detailed shipping documentation, including customs paperwork and user manuals, is provided to facilitate smooth delivery. Tracking information will be shared to keep you informed throughout the delivery process.

## FAQ:

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

A1: The Offline X-Ray Inspection Machine is branded Wisdomshow, and the model number is S7200.

### Q2: Where is the Wisdomshow S7200 X-Ray Inspection Machine manufactured?

A2: The Wisdomshow S7200 is manufactured in Shenzhen, China.

### Q3: What are the primary applications of the Wisdomshow S7200 Offline X-Ray Inspection Machine?

A3: The S7200 is primarily used for non-destructive testing and inspection of electronic components, assemblies, and other materials to detect defects such as cracks, voids, and misalignments.

### Q4: Does the Wisdomshow S7200 support offline operation?

A4: Yes, the S7200 is designed for offline use, allowing inspection without the need for continuous network connection.

### Q5: What safety features are included in the Wisdomshow S7200 X-Ray Inspection Machine?

A5: The S7200 includes multiple safety features such as radiation shielding, interlock systems, and emergency stop buttons to ensure user safety during operation.



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