



90KV Tube Voltage Offline X-Ray Inspection Machine with 0.01mm Mounting Accuracy and 5 Um Focus Size for Precision Component Analysis

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: Wisdomshow
- Model Number: S7200

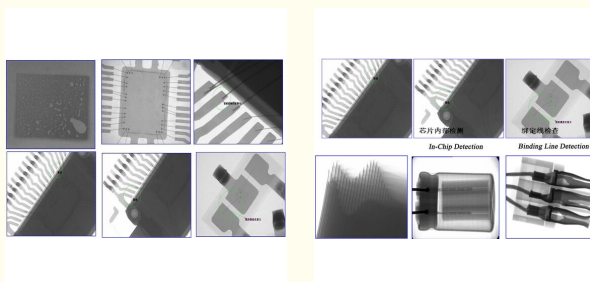


Product Specification

- Component Recognition: Automatic
- Tube Voltage: 90KV
- Loading Capacity: 10kg
- Radiation Safety: <math><1 \mu\text{SV}/\text{H}</math>
- Frame Rate: 1*1 20fps
- Detector Tilt: 45° Left/right
- Mounting Accuracy: 0.01mm
- Tube Current: 10-200uA
- Highlight: 90KV offline X-ray inspection machine, X-ray inspection machine with 5um focus size, offline X-ray machine for component analysis



More Images



Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art industrial solution designed to meet the rigorous demands of modern quality control and non-destructive testing applications. Engineered with precision and reliability in mind, this machine offers exceptional capabilities for inspecting a wide range of components, making it an indispensable tool in manufacturing, electronics, and other industrial sectors. As one of the leading Electronics X Ray Machines available today, it combines advanced technology with user-friendly operation to deliver accurate and efficient inspections.

One of the standout features of the Offline X-Ray Inspection Machine is its incredibly fine focus size of 5 micrometers (µm). This ultra-fine focus enables the machine to reveal minute details within components that are otherwise invisible to traditional inspection methods. Such precision is critical when inspecting complex electronic assemblies, small mechanical parts, or intricate industrial components where defects or inconsistencies can compromise performance or safety.

The tube current of the machine ranges from 10 to 200 microamperes (µA), providing adjustable power settings to accommodate different inspection requirements. This flexibility allows operators to optimize image quality and penetration depth depending on the material density and thickness of the components under examination. Whether inspecting delicate electronics or denser industrial materials, the machine can be calibrated to deliver the best possible results without causing damage.

Another innovative aspect of this Electronics X Ray Machine is its detector tilt capability, which allows for a 45° tilt to the left or right. This feature enhances the inspection process by enabling multi-angle imaging, which is crucial for identifying hidden defects, solder joint issues, or internal structural anomalies that might be missed with a fixed detector position. The ability to tilt the detector improves the thoroughness and accuracy of the inspection, leading to higher quality assurance standards.

Component recognition is fully automatic in this Offline X-Ray Inspection Machine, leveraging advanced imaging software and intelligent algorithms. This automation simplifies the inspection process, reducing the need for manual intervention and minimizing human error. The system can quickly identify and analyze different components, flagging any abnormalities or defects promptly. This capability significantly speeds up inspection cycles and enhances overall productivity.

Safety is a paramount concern when working with X-Ray equipment, and this machine excels in radiation safety with an emission level of less than 1 microsievert per hour (<1 µSv/h). This low radiation level ensures that operators and the surrounding environment remain protected from harmful exposure, complying with international safety standards. The machine's shielding and safety mechanisms provide peace of mind, allowing continuous operation without compromising health or regulatory compliance.

As a comprehensive Inspection Tool, the Offline X-Ray Inspection Machine is suitable for various industrial applications, including electronics manufacturing, automotive parts inspection, aerospace component analysis, and more. It offers unmatched image clarity, precision, and operational safety, which are essential for detecting defects such as cracks, voids, misalignments, and foreign objects within complex assemblies.

In summary, the Offline X-Ray Inspection Machine represents an advanced and reliable solution for industries requiring meticulous inspection capabilities. Its fine 5 µm focus size, adjustable tube current from 10 to 200 µA, 45° detector tilt, automatic component recognition, and stringent radiation safety measures make it a top choice among Electronics X Ray Machines and Industrial X Ray Machines. This equipment not only enhances product quality and manufacturing efficiency but also contributes to safer working environments, ultimately supporting higher standards of industrial excellence.

Features:

- Product Name: Offline X-Ray Inspection Machine
- Tube Current: 10-200uA for precise imaging control
- High Detector Resolution: 1536×1536 Pixel for detailed inspections
- Detector Tilt: 45° Left/right to capture multiple viewing angles
- User Interface: Intuitive Touchscreen Control Panel for easy operation
- Loading Capacity: Supports up to 10kg for versatile inspection needs
- Ideal Electronics X Ray Machine for quality assurance in electronic manufacturing
- Reliable Industrial X Ray Machine suitable for various industrial applications
- Advanced SMT X Ray Machine designed specifically for surface-mount technology inspection

Technical Parameters:

Focus Size	5 Um
Loading Capacity	10kg
Detector Resolution	1536×1536 Pixel
Software	Image Processing Software
Tube Style	Closed
Frame Rate	1*1 20fps
Radiation Safety	<1 µ SV/H
Image Frame Rate	20fps
Tube Voltage	90KV
User Interface	Touchscreen Control Panel

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine, originating from Shenzhen, China, is a cutting-edge Industrial X Ray Machine designed to meet the rigorous demands of modern manufacturing and quality control environments. Equipped with a high detector resolution of 1536×1536 pixels and an image frame rate of 20fps, this advanced system ensures precise and detailed inspection of electronic components and assemblies. Its detector tilt capability of 45° left and right enhances the versatility of inspection angles, allowing for comprehensive analysis of complex structures.

This Electronics X Ray Machine is especially suited for the inspection of Ball Grid Array (BGA) components, making it an indispensable BGA X Ray Inspection Machine in the electronics manufacturing industry. The Wisdomshow S7200 excels in identifying hidden defects such as solder joint issues, voids, misalignments, and internal structural flaws that are not detectable through conventional visual inspection methods. Its offline functionality allows for flexible deployment in various production settings, facilitating batch or spot inspections without interrupting the main production line.

In industrial applications, the S7200 model is widely used in electronics manufacturing plants, research and development laboratories, and quality assurance departments. It supports critical inspection tasks during the assembly of printed circuit boards (PCBs), semiconductor packages, and other electronic components, ensuring product reliability and compliance with industry standards. The machine's radiation safety level of less than 1 μ SV/H guarantees a safe operating environment for technicians and operators, making it suitable for continuous use in high-volume production facilities.

Moreover, the Wisdomshow Offline X-Ray Inspection Machine is ideal for scenarios requiring meticulous inspection of intricate electronic devices, including mobile phones, automotive electronics, medical devices, and aerospace components. Its robust performance and high frame rate of 20fps enable rapid and accurate defect detection, significantly reducing inspection time and improving overall production efficiency.

Overall, the Wisdomshow S7200 Industrial X Ray Machine represents a reliable and sophisticated solution for electronics manufacturers seeking enhanced quality control through non-destructive testing. Its advanced imaging capabilities, safety features, and adaptability to various inspection scenarios make it a valuable asset in ensuring the integrity and performance of electronic products across diverse industrial applications.

Support and Services:

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

Technical Support:

Our experienced technical support team is available to assist with installation, calibration, and troubleshooting of your Offline X-Ray Inspection Machine. We provide detailed user manuals, software updates, and remote assistance to resolve any operational issues efficiently.

Maintenance Services:

Regular maintenance is crucial for the reliable operation of the X-Ray Inspection Machine. We offer scheduled preventive maintenance, including system diagnostics, component inspection, and cleaning services to minimize downtime and extend equipment life.

Training:

We provide onsite and remote training sessions for operators and maintenance personnel to ensure proper use and care of the machine. Training covers system operation, safety protocols, and basic troubleshooting techniques.

Repair Services:

In the event of a malfunction, our certified technicians are equipped to perform prompt repair services using genuine replacement parts. We strive to minimize turnaround time to keep your inspection processes running smoothly.

Upgrades and Customization:

To keep your Offline X-Ray Inspection Machine up-to-date with the latest technology, we offer software and hardware upgrades.

Customization options are also available to tailor the system to specific inspection requirements.

Warranty:

Our products come with a standard warranty covering manufacturing defects and performance issues under normal operating conditions. Detailed warranty terms and conditions are provided upon purchase.

For further assistance and detailed service options, please refer to the product documentation or visit our support portal.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Inspection Machine is carefully packaged to ensure safe delivery and protection during transportation. The machine is first wrapped in anti-static foam and bubble wrap to prevent any damage from shocks or vibrations. It is then placed inside a sturdy, custom-designed wooden crate with reinforced corners. The crate is labeled with handling instructions, including "Fragile," "This Side Up," and "Handle with Care" to guide the shipping personnel. All accessories and manuals are securely packed in separate compartments within the crate to avoid any movement or damage.

Shipping:

Our Offline X-Ray Inspection Machine is shipped using reliable logistics partners with experience in handling sensitive electronic equipment. We offer multiple shipping options including air freight, sea freight, and express courier services depending on customer requirements. Prior to shipping, the machine undergoes thorough pre-shipment inspection and testing to ensure it meets quality standards. Tracking information and estimated delivery times are provided to customers for full transparency. Upon arrival, customers are advised to inspect the package for any visible damage before signing for the delivery.

FAQ:

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

A1: The machine is manufactured by Wisdomshow and the model number is S7200.

Q2: Where is the Wisdomshow S7200 Offline X-Ray Inspection Machine made?

A2: This product is made in Shenzhen, China.

Q3: What industries is the Wisdomshow S7200 suitable for?

A3: The Wisdomshow S7200 is suitable for various industries including electronics, food, pharmaceuticals, and manufacturing for quality control and inspection purposes.

Q4: Can the Wisdomshow S7200 Offline X-Ray Inspection Machine detect foreign objects inside products?

A4: Yes, the S7200 is designed to detect foreign objects such as metal, glass, and other contaminants inside packaged or unpackaged products.

Q5: Does the Wisdomshow S7200 require an internet connection to operate?

A5: No, the S7200 is an offline x-ray inspection machine, which means it operates independently without the need for an internet

connection.



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