



Offline X-Ray Inspection Machine with 5 Um Focus Size, 20fps Image Frame Rate, and Micro-focus X-Ray Tube for Precision SMT Inspection

Our Product Introduction

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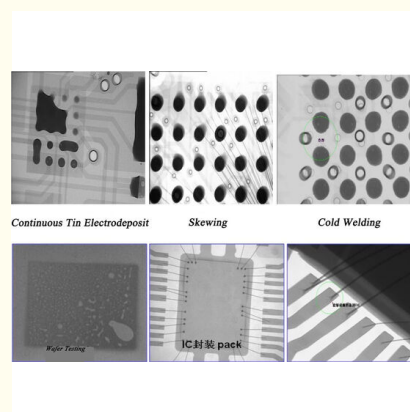
Basic Information

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

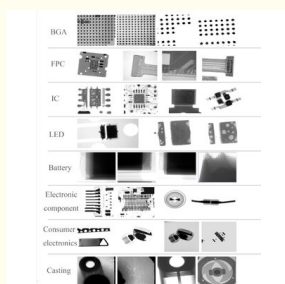


Product Specification

- Image Frame Rate: 20fps
- Tube Current: 10-200uA
- Tube Style: Closed
- Software: Image Processing Software
- Radiation Safety: $<1 \mu \text{SV/H}$
- Component Recognition: Automatic
- Focus Size: 5 Um
- X-Ray Source: Micro-focus X-Ray Tube
- Highlight: Touchscreen control panel X-ray tube, Industrial X-ray tube image processing, Material inspection X-ray machine



More Images



Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art SMT X Ray Machine designed to deliver precise and reliable inspection results for a variety of electronic components and assemblies. Engineered with advanced technology, this machine is an essential tool for quality control in electronics manufacturing, ensuring that every product meets the highest standards of safety and performance. With its robust specifications and user-friendly design, it stands out as one of the most effective Inspection Tools available on the market today.

One of the key features of this Offline X-Ray Inspection Machine is its tube current range of 10-200uA. This adjustable tube current allows operators to customize the intensity of the X-Ray beam according to the specific requirements of the inspection task, providing flexibility and precision. Whether inspecting delicate SMT components or denser assemblies, the machine can be fine-tuned to optimize image quality and defect detection without compromising the integrity of the parts being examined.

Accuracy is paramount in any inspection process, and this SMT X Ray Machine excels in this area with a mounting accuracy of 0.01mm. Such a high degree of precision ensures that components are positioned correctly during inspection, minimizing errors and enhancing the reliability of the results. This level of accuracy is critical for detecting minute defects or inconsistencies that could impact the functionality of electronic devices, making it an indispensable part of the inspection workflow.

Safety is a top priority when working with X-Ray equipment, and this Offline X-Ray Inspection Machine is designed with radiation safety in mind. It maintains radiation levels below 1 μ SV/H, ensuring a safe operating environment for users and compliance with stringent health regulations. This low radiation emission is achieved through advanced shielding and engineering controls, providing peace of mind while performing thorough inspections.

The machine operates at a tube voltage of 90KV, which is optimal for penetrating various materials commonly found in SMT assemblies without causing damage. This voltage level strikes the perfect balance between penetration power and image clarity, making it suitable for a wide range of inspection scenarios. As a result, users can rely on this SMT X Ray Machine to deliver consistent, high-quality X-Ray images that facilitate accurate analysis and decision-making.

In addition to its technical capabilities, the Offline X-Ray Inspection Machine offers a generous loading capacity of up to 10kg. This substantial capacity enables the inspection of larger or heavier components and assemblies, enhancing the machine's versatility and applicability in different production environments. Whether dealing with small PCBs or more substantial electronic modules, this machine can accommodate a variety of inspection needs with ease.

As one of the premier Inspection Tools in the electronic manufacturing sector, this Offline X-Ray Inspection Machine integrates seamlessly into quality assurance processes, helping manufacturers detect solder joint defects, component misalignments, voids, and other hidden flaws that are not visible through traditional optical inspection methods. Its combination of high precision, safety, and adaptability makes it an invaluable asset for improving product reliability and reducing costly recalls or rework.

Overall, the Offline X-Ray Inspection Machine stands out as a highly effective SMT X Ray Machine and Inspection Tool that meets the rigorous demands of modern electronics manufacturing. Its advanced features, including adjustable tube current, exceptional mounting accuracy, low radiation emission, optimal tube voltage, and substantial loading capacity, ensure that users can perform detailed and safe inspections with confidence. By incorporating this machine into their inspection arsenal, manufacturers can enhance product quality, streamline their inspection processes, and maintain a competitive edge in the industry.

Features:

- Product Name: Offline X-Ray Inspection Machine-----
- Radiation Safety: <1 μ SV/H, ensuring safe operation
- Tube Current: Adjustable from 10-200uA for precise inspection
- Detector Tilt: 45° Left/right for comprehensive component analysis
- Loading Capacity: Supports up to 10kg for versatile use
- Component Recognition: Automatic identification for efficient inspection
- Ideal SMT X Ray Machine for advanced electronic inspection
- Reliable Industrial X Ray Machine designed for various manufacturing needs

Technical Parameters:

Image Frame Rate-----	20fps
Frame Rate	1*1 20fps
X-Ray Source	Micro-focus X-Ray Tube
Loading Capacity	10kg
Focus Size	5 Um
Detector Resolution	1536×1536 Pixel
Detector Tilt	45° Left/right
Component Recognition	Automatic
Radiation Safety	<1 μ SV/H
Mounting Accuracy	0.01mm

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine, originating from Shenzhen, China, is an advanced device designed to meet

the demanding needs of modern electronic manufacturing and quality control processes. Equipped with a high-resolution detector of 1536×1536 pixels and a precise focus size of 5 μm, this BGA X Ray Inspection Machine ensures exceptional imaging clarity and accuracy, making it ideal for detailed inspection tasks.

This BGA X Ray Inspection Machine is widely utilized in various application occasions including the inspection of Ball Grid Array (BGA) solder joints, Printed Circuit Boards (PCBs), and semiconductor packages. Its closed tube style enhances safety and reliability, allowing operators to conduct thorough inspections without exposure to harmful radiation. The intuitive touchscreen control panel provides an easy-to-use interface, facilitating smooth operation even for users with minimal technical experience.

In practical scenarios, the Wisdomshow S7200 proves indispensable in electronics manufacturing plants, research and development labs, and quality assurance departments. It is especially effective for detecting defects such as voids, cracks, misalignments, and solder joint failures in BGA components. The integrated image processing software aids in enhancing image quality and performing detailed analysis, enabling manufacturers to ensure product reliability and reduce failure rates.

Additionally, this BGA X Ray Inspection Machine supports offline inspection workflows, making it highly adaptable for various production scales—from small batch prototyping to large-scale mass production. Its compact design and robust build make it suitable for use in confined spaces without compromising performance. Whether it is used for incoming quality control, in-process inspection, or final product verification, the Wisdomshow S7200 delivers precise and reliable results.

Overall, the Wisdomshow S7200 Offline X-Ray Inspection Machine is an essential tool for industries requiring meticulous inspection of electronic assemblies. Its combination of cutting-edge detector resolution, user-friendly touchscreen interface, and advanced image processing software positions it as a top choice for enhancing product quality and ensuring manufacturing excellence.

Support and Services:

Our Offline X-Ray Inspection Machine is designed to provide accurate and reliable inspection solutions for a variety of industries. To ensure optimal performance and longevity of the equipment, we offer comprehensive technical support and services.

Technical Support:

Our team of experienced engineers and technicians is available to assist you with installation, setup, and calibration of the Offline X-Ray Inspection Machine. We provide detailed user manuals and troubleshooting guides to help you resolve common issues quickly. For more complex problems, our technical support staff can guide you through diagnostic procedures to identify and fix faults efficiently.

Maintenance Services:

Regular maintenance is crucial for the reliable operation of the X-Ray Inspection Machine. We offer scheduled maintenance services, including cleaning, component inspection, and software updates to keep your machine running at peak performance. Preventive maintenance contracts are available to minimize downtime and extend the equipment's lifespan.

Training:

To help your team get the most out of the Offline X-Ray Inspection Machine, we provide comprehensive training sessions. These sessions cover operational procedures, safety protocols, and best practices for inspection processes. Training can be conducted on-site or remotely according to your needs.

Upgrades and Customization:

We offer software and hardware upgrades to enhance the capabilities of your X-Ray Inspection Machine. Customization options are available to tailor the system to specific inspection requirements, ensuring maximum efficiency and accuracy.

Warranty and Repairs:

The Offline X-Ray Inspection Machine comes with a standard warranty covering parts and labor. In the event of a malfunction, our repair services are designed to minimize downtime. We maintain an inventory of critical spare parts to facilitate quick repairs and replacements.

Customer Satisfaction:

Your satisfaction is our priority. We are committed to providing timely and effective support to ensure your inspection operations run smoothly. Feedback and suggestions are always welcome to help us improve our products and services.

Packing and Shipping:

The Offline X-Ray Inspection Machine is carefully packaged to ensure safe delivery and optimal protection during transit. Each unit is securely placed in a custom-fitted foam mold inside a sturdy, double-walled corrugated cardboard box. The packaging includes anti-static materials to protect sensitive electronic components from electrostatic discharge.

Additional protective measures such as shock absorbers and waterproof wrapping are used to safeguard the machine against impact, vibration, and moisture. All accessories and user manuals are packed in separate compartments within the box to prevent damage and loss.

For shipping, the Offline X-Ray Inspection Machine is palletized and shrink-wrapped to provide stability during transport. The pallets are labeled with handling instructions and fragile warnings to ensure careful handling by carriers. We work with reliable logistics partners to provide timely and secure delivery to the destination.

Upon receipt, customers are advised to inspect the packaging for any signs of damage before unpacking and to report any issues immediately to facilitate prompt resolution.

FAQ:

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

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

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

A3: The Wisdomshow S7200 is used primarily for non-destructive testing and inspection of products to detect internal defects, foreign objects, and ensure quality control in various industries.

Q4: Is the Wisdomshow S7200 suitable for inspecting different types of materials?

A4: Yes, the Wisdomshow S7200 is designed to inspect a wide range of materials including metals, plastics, ceramics, and composites.

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

A5: No, the Wisdomshow S7200 is an offline X-Ray Inspection Machine, meaning it operates independently without the need for an internet connection.





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