



Offline X-Ray Inspection Machine with 45 Degrees Left Right Tilt, 5 Um Focus Size, and 90KV Tube Voltage for Precise Imaging

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

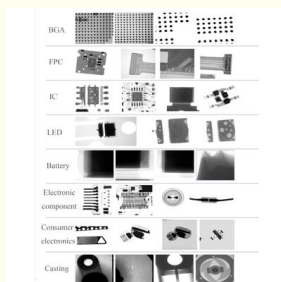


Product Specification

- Tube Current: 10-200uA
- Component Recognition: Automatic
- Image Frame Rate: 20fps
- Software: Image Processing Software
- Mounting Accuracy: 0.01mm
- Tube Voltage: 90KV
- Focus Size: 5 Um
- Tube Style: Closed
- Highlight: **45 Degrees Left Right Tilt Offline X-Ray Inspection Machine , 5 Um Focus Size SMT X Ray Machine , 90KV Tube Voltage Industrial X Ray Tube**



More Images



Product Description:



The Offline X-Ray Inspection Machine is a cutting-edge solution designed for precision and reliability in various industrial applications. Engineered with advanced technology, this machine offers unparalleled accuracy and detailed inspection capabilities, making it an essential tool for quality control in electronics manufacturing, particularly for surface-mount technology (SMT) assemblies. As a highly effective SMT X Ray Machine, it enables manufacturers to detect hidden defects and ensure the integrity of their products with confidence.

One of the standout features of this Offline X-Ray Inspection Machine is its exceptional mounting accuracy of 0.01mm. This high level of precision guarantees that components are positioned correctly, allowing for meticulous inspection and reducing the risk of errors during the assembly process. Such accuracy is crucial in industries where even the smallest misalignment can lead to significant functional problems or failures.

The machine is equipped with a state-of-the-art Micro-focus X-Ray Tube, a key component that enhances its inspection capabilities. This Industrial X Ray Tube produces high-resolution images by focusing the X-ray beam into a very small spot size, which is essential for detecting minute defects that are often invisible to conventional inspection methods. With a focus size of just 5 micrometers (5 μm), the machine can reveal intricate internal details of electronic components and assemblies, ensuring comprehensive analysis.

Additionally, the Offline X-Ray Inspection Machine features a tube voltage of 90KV, providing sufficient power to penetrate various materials while maintaining image clarity and contrast. This voltage level is carefully optimized to balance inspection depth and image quality, making it suitable for a wide range of applications, from simple circuit boards to complex multilayer assemblies.

Another innovative aspect of this machine is its detector tilt capability, which allows for a 45° left and right tilt. This feature enables multi-angle inspection without the need to reposition the sample manually, significantly improving inspection efficiency and accuracy. The ability to view components from different angles helps identify defects such as solder joint problems, voids, and misalignments that may not be visible from a single perspective.

Designed with user convenience and operational efficiency in mind, the Offline X-Ray Inspection Machine integrates seamlessly into existing production workflows. It serves as a vital inspection tool that supports non-destructive testing, allowing manufacturers to maintain high quality standards without damaging or altering the products being inspected. This capability is particularly beneficial for high-value or sensitive components where preserving integrity is essential.

In summary, the Offline X-Ray Inspection Machine is an indispensable asset for industries requiring meticulous inspection and quality assurance. Its combination of ultra-high mounting accuracy, advanced Micro-focus X-Ray Tube technology, optimal tube voltage, and versatile detector tilt makes it a superior SMT X Ray Machine and Inspection Tool. By incorporating this machine into their quality control processes, manufacturers can achieve greater reliability, reduce defect rates, and enhance overall product performance, securing a competitive edge in today's demanding market.

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is a cutting-edge solution designed for a wide range of industrial and manufacturing applications. Originating from Shenzhen, China, this advanced device integrates a micro-focus X-Ray tube with a tube current adjustable between 10-200uA, ensuring high precision and clarity in imaging. Its compact and robust design makes it suitable for diverse inspection needs where detailed internal analysis is paramount.

One of the most common application occasions for the Wisdomshow S7200 is in the electronics manufacturing industry, particularly for inspecting Ball Grid Array (BGA) components. As a specialized BGA X Ray Inspection Machine, it allows manufacturers to detect solder joint defects, voids, and misalignments that are not visible through traditional optical inspection methods. This capability is essential for quality assurance in surface-mount technology (SMT) production lines, where reliability and performance of electronic assemblies are critical.

Furthermore, the SMT X Ray Machine functionality of the S7200 makes it ideal for inspecting various surface-mounted devices, enabling users to perform non-destructive testing of PCBs, connectors, and other miniature components. The automatic component recognition feature streamlines the inspection process by identifying and analyzing different parts without manual intervention, significantly improving inspection efficiency and reducing operator error.

In industrial environments requiring stringent safety standards, the Wisdomshow S7200 ensures radiation safety with emissions less than 1 μ SV/H, protecting operators and the surrounding environment from harmful exposure. The user-friendly touchscreen control panel offers intuitive operation, allowing inspectors to easily adjust settings, capture images, and review results in real-time.

Overall, the Wisdomshow S7200 Offline X-Ray Inspection Machine is an indispensable tool in electronics manufacturing, quality control labs, and research institutions. Its advanced industrial X Ray tube and intelligent features make it a reliable choice for precise, non-invasive inspection scenarios, enhancing product quality and reliability across various applications.

Customization:

Wisdomshow offers customizable services for the Offline X-Ray Inspection Machine, model S7200, designed and manufactured in Shenzhen, China. This advanced inspection tool features a 45° left/right detector tilt, allowing flexible positioning for thorough examination of various objects. With a detector resolution of 1536x1536 pixels, the machine ensures high-quality imaging for precise defect detection. Equipped with an industrial X Ray tube, the S7200 provides reliable performance while maintaining radiation safety levels below 1 μ SV/H, ensuring a safe working environment. The machine supports a loading capacity of up to 10kg, making it suitable for inspecting a wide range of products.

Our image processing software enhances the inspection capabilities, delivering clear and accurate results. Wisdomshow's Offline X-Ray Inspection Machine is an essential inspection tool for industries seeking efficient and safe quality control solutions. Customization options are available to meet specific inspection requirements and optimize operational workflows.

Support and Services:

Our Offline X-Ray Inspection Machine is designed to provide high-precision, non-destructive testing for various industrial applications. For technical support and service inquiries, our team of experts is available to assist with installation, calibration, troubleshooting, and maintenance to ensure optimal performance of your equipment.

We offer comprehensive training programs to help your operators and technicians understand the operational features and safety protocols of the X-Ray Inspection Machine. Regular maintenance services and software updates are provided to enhance the functionality and extend the lifespan of your system.

In the event of technical issues, our support team can guide you through diagnostic procedures and recommend appropriate corrective actions. We also provide replacement parts and upgrade options tailored to your specific inspection requirements.

To maximize the efficiency and reliability of your Offline X-Ray Inspection Machine, we recommend scheduling periodic inspections and preventive maintenance in accordance with the user manual guidelines.

Our commitment is to deliver prompt and effective support to minimize downtime and ensure your inspection processes remain accurate and compliant with industry standards.

Packing and Shipping:

Product Packaging and Shipping for Offline X-Ray Inspection Machine

The Offline X-Ray Inspection Machine is carefully packaged to ensure safe delivery and optimal protection during transit. The machine is first secured with anti-static and protective foam materials to prevent any damage from shocks or vibrations. It is then placed inside a robust, custom-designed wooden crate that is reinforced for durability and stability.

All accessories and components are individually packed and clearly labeled within the crate to facilitate easy identification and installation upon receipt. The packaging also includes detailed handling instructions and warning labels to ensure proper care throughout the shipping process.

For shipping, the Offline X-Ray Inspection Machine can be transported via air freight, sea freight, or land transportation, depending on the destination and customer requirements. The wooden crate is designed to comply with international shipping standards, ensuring smooth customs clearance and handling.

Our logistics team coordinates with reliable carriers to provide timely and secure delivery. Tracking information will be shared with the customer to monitor the shipment status until it reaches the destination.

Upon arrival, it is recommended to inspect the packaging for any signs of damage before unpacking. Our customer support team is available to assist with installation guidance and any post-delivery inquiries.

FAQ:

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

A1: The machine is branded Wisdomshow, and the model number is S7200.

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

A2: It is manufactured in Shenzhen, China.

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

A3: This machine is typically used for non-destructive testing and inspection in electronics, manufacturing, and quality control to detect internal defects and verify assembly quality.

Q4: Is the Wisdomshow S7200 suitable for inspecting small electronic components?

A4: Yes, the S7200 model is designed to provide high-resolution X-ray images suitable for inspecting small and intricate electronic components.

Q5: What is the place of origin for the Wisdomshow S7200 Offline X-Ray Inspection Machine?

A5: The machine is produced in Shenzhen, China, ensuring reliable manufacturing standards.



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