



Offline X-Ray Inspection Machine with 5 Um Focus Size, 20fps Frame Rate, and Automatic Component Recognition

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

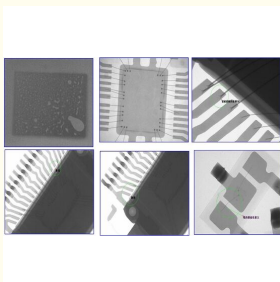


Product Specification

- User Interface: Touchscreen Control Panel
- Component Recognition: Automatic
- Tube Current: 10-200uA
- Frame Rate: 1*1 20fps
- Tube Voltage: 90KV
- Tube Style: Closed
- X-Ray Source: Micro-focus X-Ray Tube
- Focus Size: 5 Um
- Highlight: **5 Um Focus Size Offline X-Ray Inspection Machine**, **20fps Frame Rate Industrial X Ray Machine**, **Automatic Component Recognition BGA X Ray Inspection Machine**



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 electronics manufacturing and quality assurance processes. As an advanced SMT X Ray Machine, it offers unparalleled precision and reliability, making it an indispensable tool for identifying hidden defects and ensuring the highest standards of product quality. This Industrial X Ray Machine is engineered to deliver exceptional performance through a combination of cutting-edge technology and user-friendly features, catering to a wide range of applications including BGA X Ray Inspection Machine tasks.

One of the standout features of this Offline X-Ray Inspection Machine is its remarkable mounting accuracy of 0.01mm. This high level of precision ensures that components are inspected with exact alignment, allowing for detailed analysis and detection of even the smallest anomalies. Accurate mounting is critical in electronics inspection, especially when dealing with complex assemblies such as Ball Grid Arrays (BGAs), where precise positioning can mean the difference between identifying a fault and overlooking it. The machine's ability to consistently maintain this accuracy significantly enhances inspection reliability and overall production yield.

In addition to its precision, the machine boasts a robust loading capacity of up to 10kg. This substantial capacity allows it to accommodate a variety of PCB sizes and assemblies, making it versatile for different production requirements. Whether inspecting small, delicate circuit boards or larger, more complex assemblies, the machine can handle the workload efficiently, reducing the need for multiple inspection devices and streamlining the quality control process.

The Offline X-Ray Inspection Machine is equipped with an impressive frame rate of 20 frames per second (fps) in a 1*1 configuration. This high frame rate facilitates rapid image acquisition, enabling swift and thorough inspections without compromising image clarity or detail. Fast frame rates are essential in high-volume manufacturing environments where time is a critical factor, as they allow for quicker decision-making and faster throughput. The combination of speed and precision ensures that the machine can keep pace with demanding production lines while maintaining rigorous inspection standards.

Automatic component recognition is another key attribute of this Industrial X Ray Machine. The system's intelligent software is capable of identifying and classifying components automatically, reducing the need for manual intervention and minimizing the risk of human error. This feature streamlines the inspection workflow, enhances accuracy, and improves overall efficiency. By automating component recognition, the machine supports consistent and repeatable inspections, which are crucial for maintaining quality control in complex electronic assemblies.

Moreover, the machine features a finely focused X-ray beam with a focus size of just 5 micrometers (5 Um). This extremely small focus size allows for high-resolution imaging, capturing intricate details of solder joints, internal structures, and potential defects that might otherwise go unnoticed. The precise focus enhances the clarity and depth of the inspection images, providing engineers and quality control specialists with the detailed information they need to make informed decisions about product quality and reliability.

In summary, the Offline X-Ray Inspection Machine is a highly capable SMT X Ray Machine designed to deliver precision, speed, and automation in industrial inspection applications. Its outstanding mounting accuracy of 0.01mm, substantial 10kg loading capacity, rapid 20fps frame rate, automatic component recognition, and ultra-fine 5 Um focus size collectively make it an ideal choice for thorough and efficient BGA X Ray Inspection Machine operations. Whether used in electronics manufacturing, quality assurance, or research and development, this machine provides the reliability and performance necessary to ensure the highest standards of product integrity and customer satisfaction.

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is an advanced electronics X Ray machine designed to meet the demanding inspection needs of modern manufacturing industries. Originating from Shenzhen, China, this state-of-the-art device incorporates a micro-focus industrial X Ray tube, enabling high-resolution imaging with exceptional clarity and precision. The S7200 model boasts a frame rate of 20fps at 1*1 resolution, ensuring rapid and accurate detection of defects in various materials and components.

This SMT X Ray machine is ideal for use in electronics manufacturing environments, where inspecting printed circuit boards (PCBs), semiconductor devices, and solder joints is critical to maintaining product quality and reliability. The high mounting accuracy of 0.01mm allows for precise positioning of samples, which is essential for detailed analysis and quality assurance processes. Its radiation safety rating of less than 1 μ SV/H ensures that operators are protected from harmful exposure, making it suitable for continuous use in factory settings.

The Wisdomshow S7200 is equipped with an intuitive touchscreen control panel, providing users with a seamless interface to operate the machine efficiently. This feature allows inspectors to easily adjust parameters, capture images, and analyze results without requiring extensive training. The machine's offline capabilities make it perfect for scenarios where network connectivity is limited or where portability within different production lines is necessary.

Typical application occasions for the S7200 include electronics assembly plants, quality control laboratories, and R&D centers focusing on electronic component development. It is especially beneficial during the inspection of solder joints, component placement accuracy, and internal defects in complex assemblies. Additionally, this electronics X Ray machine is well-suited for failure analysis and counterfeit detection in the electronics industry.

In summary, the Wisdomshow S7200 Offline X-Ray Inspection Machine serves as a critical tool in various industrial scenarios requiring precise, safe, and efficient non-destructive testing. Its advanced micro-focus industrial X Ray tube, high frame rate, and user-friendly interface make it an indispensable asset for manufacturers aiming to uphold the highest standards of product quality and reliability.

Customization:

Wisdomshow offers customizable services for the Offline X-Ray Inspection Machine, model number S7200, designed and manufactured in Shenzhen, China. This Electronics X Ray Machine is equipped with advanced Image Processing Software, ensuring precise and efficient inspection capabilities. The machine features a 90KV closed tube voltage and a detector tilt of 45° left/right, allowing for versatile and detailed imaging. With a frame rate of 1*1 20fps, it provides clear and rapid inspection results. Ideal as a BGA X Ray Inspection Machine, it serves as an essential tool among Inspection Tools for quality control and defect analysis in electronic manufacturing. Customers can customize specifications to meet specific inspection needs, ensuring optimal performance and reliability.

Support and Services:

Our Offline X-Ray Inspection Machine is designed to provide high-precision, non-destructive testing for a wide range of applications. For

technical support, our team offers comprehensive assistance including installation guidance, calibration services, troubleshooting, and maintenance tips to ensure optimal performance of your equipment.

We provide detailed user manuals and training sessions to help operators understand machine functionalities and safety protocols. Regular software updates and hardware upgrades are available to enhance inspection capabilities and adapt to evolving industry standards.

In addition to standard warranty coverage, we offer extended service plans that include priority technical support, expedited repair services, and on-site maintenance visits. Our experts are committed to minimizing downtime and maximizing the efficiency of your inspection processes.

For any technical inquiries or service requests, please refer to the documentation provided with your machine or visit our support portal for FAQs, troubleshooting guides, and instructional videos.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Inspection Machine is carefully packaged to ensure safe delivery and protection from damage during transit. The machine is first wrapped with anti-static and shock-absorbing materials to prevent any impact or electrostatic damage. It is then securely placed inside a custom-fitted foam insert within a sturdy, double-walled wooden crate. The crate is reinforced with metal brackets and sealed with tamper-evident tape. Clear labeling with handling instructions such as "Fragile," "This Side Up," and "Handle with Care" is applied to the packaging to guide logistics personnel.

Shipping:

Shipping of the Offline X-Ray Inspection Machine is arranged via reliable freight carriers experienced in handling sensitive electronic equipment. The shipment is insured for full value to protect against loss or damage. Prior to dispatch, the machine undergoes a thorough inspection and testing to confirm operational integrity. Tracking information is provided to the customer to monitor the shipment progress. Upon arrival, the customer is advised to inspect the packaging for any signs of damage before acceptance. Installation and setup support can be arranged as per customer request.

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 applications is the Wisdomshow S7200 suitable for?

A3: The Wisdomshow S7200 Offline X-Ray Inspection Machine is commonly used for inspecting electronic components, circuit boards, and other industrial parts for quality control purposes.

Q4: Does the Wisdomshow S7200 require an internet connection to operate?

A4: No, the S7200 is an offline X-ray inspection machine, meaning it operates independently without the need for an internet connection.

Q5: What are the key features of the Wisdomshow S7200 Offline X-Ray Inspection Machine?

A5: Key features include high-resolution imaging, user-friendly interface, compact design, and reliable performance for detailed non-destructive inspection.



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