



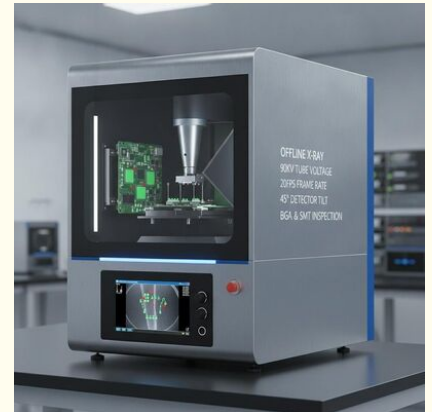
Offline X-Ray Inspection Machine with 90KV Tube Voltage 20fps Image Frame Rate and 45° Detector Tilt for BGA and SMT Inspection

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

- Radiation Safety: $<1 \mu$ SV/H
- Tube Style: Closed
- Image Frame Rate: 20fps
- Tube Current: 10-200uA
- Focus Size: 5 μ m
- Tube Voltage: 90KV
- Frame Rate: 1*1 20fps
- Detector Tilt: 45° Left/right
- Highlight: **90KV Tube Voltage Offline X-Ray Inspection Machine**
20fps Image Frame Rate BGA X Ray Inspection Machine
, 45° Detector Tilt SMT X Ray Machine



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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 wide range of electronic components and assemblies. Engineered to meet the rigorous demands of modern electronics manufacturing, this Electronics X Ray Machine offers exceptional performance through its advanced imaging capabilities and high-precision construction, making it an indispensable tool for quality control and failure analysis in the electronics industry.

One of the standout features of this Industrial X Ray Machine is its impressive image frame rate of 20fps, ensuring smooth and rapid image acquisition. This high frame rate allows operators to conduct thorough inspections without sacrificing speed, significantly enhancing productivity on the production floor. The frame rate of 1*1 at 20fps further emphasizes the machine's ability to maintain consistent and high-quality imaging across the entire inspection area.

Precision is paramount in X-ray inspection, and this Offline X-Ray Inspection Machine excels in this aspect with its remarkable mounting accuracy of 0.01mm. Such fine accuracy ensures that components are perfectly aligned during inspection, minimizing errors and enabling detailed analysis of minute defects or anomalies that can impact product reliability. This level of precision is crucial for applications in SMT assembly inspection where even the smallest solder joint defects can cause failures.

The machine is equipped with a robust X-ray tube operating at a voltage of 90KV. This tube voltage offers an optimal balance between penetration power and image clarity, allowing for detailed visualization of both dense and delicate materials within electronic assemblies. Whether inspecting multi-layer PCBs, BGA solder joints, or complex semiconductor packages, the 90KV tube voltage guarantees clear and distinct imaging to facilitate accurate defect detection.

Another innovative aspect of this Industrial X Ray Machine is its detector tilt feature, allowing a 45° left/right tilt. This capability enables multi-angle inspection without needing to reposition the sample manually, providing comprehensive views of the inspected object. The tilted detector enhances the detection of hidden defects such as voids, cracks, or misalignments by capturing images from varied perspectives, thereby improving the thoroughness and reliability of the inspection process.

Designed with user convenience and operational efficiency in mind, the Offline X-Ray Inspection Machine integrates seamlessly into existing production lines or laboratory environments. Its offline configuration allows for flexible deployment, offering manufacturers the ability to perform inspections without interrupting active manufacturing processes. This adaptability makes it an ideal solution for batch inspections, prototype evaluations, and detailed failure analyses.

In summary, this SMT X Ray Machine embodies a perfect blend of speed, precision, and versatility. Its 20fps image frame rate ensures rapid inspection cycles, while the 0.01mm mounting accuracy guarantees meticulous alignment for defect-free evaluations. The 90KV tube voltage and 45° detector tilt further enhance its imaging capabilities, making it suitable for a diverse range of applications in the electronics industry. Whether utilized as an Electronics X Ray Machine in quality control labs or as an Industrial X Ray Machine on production floors, this Offline X-Ray Inspection Machine represents a critical investment toward achieving higher product quality, improved yield rates, and reduced defect-related costs.

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is an advanced and reliable inspection tool designed to meet the rigorous demands of modern manufacturing and quality control environments. Originating from Shenzhen, China, this cutting-edge SMT X Ray Machine boasts a micro-focus X-Ray tube with a closed tube style and operates at a tube voltage of 90KV, ensuring precise and high-resolution imaging for an array of applications.

This SMT X Ray Machine is ideal for use in electronic manufacturing industries, particularly in the inspection of surface-mount technology (SMT) components and assemblies. Its frame rate of 1*1 20fps allows for smooth and efficient scanning, making it suitable for high-throughput production lines where speed and accuracy are paramount. The machine's loading capacity of up to 10kg means it can accommodate a diverse range of PCB sizes and weights, providing versatility in inspection tasks.

The offline mode of the Wisdomshow S7200 makes it perfect for laboratory testing, quality assurance departments, and repair stations where portability and ease of use are critical. It enables operators to perform non-destructive testing and defect analysis, such as identifying solder joint issues, internal component defects, and hidden structural anomalies that are not visible through conventional optical inspection tools.

This inspection tool is commonly deployed in occasions such as pre-production quality checks, failure analysis, and post-repair verification. Its ability to deliver detailed X-ray images helps engineers and technicians ensure the integrity and reliability of electronic assemblies, reducing the risk of product failure and enhancing overall product quality. The micro-focus X-Ray tube enhances image resolution, making it easier to detect minute defects in complex SMT components.

In summary, the Wisdomshow S7200 Offline X-Ray Inspection Machine is an indispensable tool for any electronics manufacturer or service provider focusing on SMT inspection. Its robust design, high frame rate, and powerful X-ray source make it an excellent choice for offline inspection scenarios, quality control laboratories, and R&D centers. By integrating this SMT X Ray Machine into their workflow, companies can significantly improve inspection accuracy, streamline defect detection, and maintain high standards in electronic product manufacturing and maintenance.

Customization:

Wisdomshow offers customized services for the Offline X-Ray Inspection Machine, model S7200, designed and manufactured in Shenzhen, China. This advanced BGA X Ray Inspection Machine features a robust loading capacity of 10kg, making it suitable for various inspection tasks in electronics manufacturing.

The S7200 utilizes a high-precision Micro-focus X-Ray Tube as its source, combined with a detector tilt capability of 45° left and right, allowing for comprehensive inspection angles. With a tube current adjustable between 10-200uA and a focus size of 5 micrometers, this SMT X Ray Machine delivers exceptional image clarity and accuracy.

These Inspection Tools are ideal for quality control in surface mount technology (SMT) processes, ensuring reliable detection of defects in BGA packages and other components. Wisdomshow's product customization services enable tailoring of the Offline X-Ray Inspection Machine to meet specific customer requirements, enhancing inspection efficiency and effectiveness.

Support and Services:

Our Offline X-Ray Inspection Machine is designed to provide precise and reliable inspection solutions for various industries. To ensure

optimal performance and longevity of your equipment, we offer comprehensive technical support and services. Technical support includes assistance with machine setup, calibration, software updates, and troubleshooting. Our team of experts is available to guide you through installation processes and help resolve any operational issues that may arise. We provide regular maintenance services to keep your X-Ray Inspection Machine operating at peak efficiency. This includes routine inspections, cleaning, and replacement of worn components to prevent unexpected downtime. Software support is available to help you utilize the full capabilities of the machine's inspection software, including training sessions and customization options tailored to your specific inspection requirements. In addition, we offer upgrade services to enhance the functionality of your machine with the latest technology improvements and features. Our commitment is to ensure that your Offline X-Ray Inspection Machine delivers accurate inspection results and maintains high reliability throughout its service life.

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. Each unit is securely placed in a custom-fitted foam-lined crate that shields the machine from shocks, vibrations, and external impacts. The packaging includes anti-static materials to protect sensitive electronic components from electrostatic discharge. All accessories and cables are separately packed and clearly labeled within the crate. For added protection, the crate is wrapped with waterproof and dustproof covers to prevent damage from moisture and contaminants during shipping. Shipping is carried out using reliable carriers experienced in handling delicate industrial equipment. The shipment includes clear handling instructions and is insured to cover any unforeseen damages. Upon receipt, customers are advised to inspect the packaging and contents immediately to report any damages to the carrier and supplier.

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 Offline 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 Wisdomshow S7200 is mainly used for non-destructive testing and inspection in industries such as electronics, automotive, and aerospace to detect internal defects and ensure product quality.

Q4: Does the Wisdomshow S7200 Offline X-Ray Inspection Machine require an internet connection to operate?

A4: No, as an offline X-Ray inspection machine, the Wisdomshow S7200 operates independently without the need for an internet connection.

Q5: What kind of safety features does the Wisdomshow S7200 offer?

A5: The Wisdomshow S7200 includes multiple safety features such as radiation shielding, interlock systems, and emergency stop buttons to ensure operator safety during inspection processes.



Shenzhen Wisdomshow Technology Co.,Ltd



+86 18926538696



elysia.li@wdsbga.cn



bgaxraymachine.com

No.6,Haosi Western Industry,Shangjing Town,Bao'an District,Shenzhen,China