



S7200 Radiation Safe <1 μ SV/H Offline X-Ray Inspection Machine with 20fps Frame Rate and 0.01mm Mounting Accuracy

Our Product Introduction

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Basic Information

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

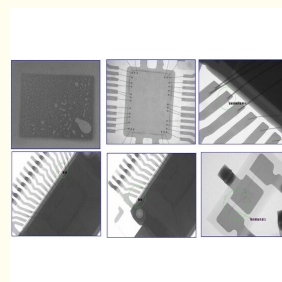
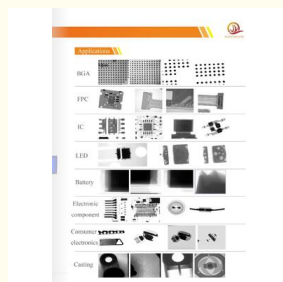
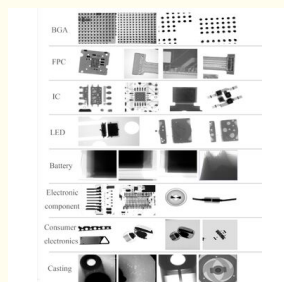


Product Specification

- Tube Style: Closed
- X-Ray Source: Micro-focus X-Ray Tube
- Radiation Safety: <1 μ SV/H
- Image Frame Rate: 20fps
- Focus Size: 5 Um
- Component Recognition: Automatic
- Mounting Accuracy: 0.01mm
- Tube Current: 10-200uA
- Optical Tube Style: Closed Tube
- Tray Diameter Range: 7 To 15 Inches
- Weight: 800KG
- Computer: Dell Window 10



More Images



Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art solution designed for precision and reliability in non-destructive testing applications. This advanced Industrial X Ray Machine is engineered to deliver exceptional performance, making it an indispensable tool for industries requiring meticulous internal inspections without compromising the integrity of the objects being examined. With cutting-edge technology and robust construction, this Industrial X Ray Machine ensures accurate inspection results, enhancing quality control and safety protocols across various sectors.

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 allows operators to position samples with incredible exactness, ensuring that every inspection is conducted under optimal conditions. Such accuracy is particularly crucial in industries like electronics, automotive, aerospace, and manufacturing, where even the slightest deviation can lead to significant defects or failures. The precise mounting capability of the machine guarantees consistent and repeatable inspection outcomes, facilitating early detection of faults and defects.

Equipped with a high-resolution detector, the machine boasts a detector resolution of 1536×1536 pixels. This superior resolution enables the capture of detailed X-ray images, revealing intricate internal structures and potential anomalies that might otherwise go unnoticed. The clarity and sharpness of the images produced by this Industrial X Ray Tube integrated system allow for comprehensive analysis and assessment, supporting informed decision-making and quality assurance processes. The high pixel density ensures that even the smallest imperfections are visible, thereby enhancing the reliability of the inspection results.

Ease of use is a critical aspect of the Offline X-Ray Inspection Machine, which is why it comes with a user-friendly touchscreen control panel. This intuitive interface simplifies the operation and control of the X-ray inspection process, allowing technicians to configure settings, monitor inspections, and analyze results efficiently. The touchscreen control panel enhances workflow efficiency and reduces the learning curve for operators, making it accessible to users with varying levels of technical expertise. Through this interface, users can also customize inspection parameters, ensuring flexibility to accommodate diverse inspection requirements.

The machine is designed to handle a substantial loading capacity of up to 10kg, making it suitable for inspecting a wide range of components and materials. This robust loading capability ensures that the machine can accommodate various sizes and weights of items, from small electronic parts to larger mechanical assemblies. The versatility in loading capacity broadens the application scope of the Industrial X Ray Machine, making it a valuable asset for different industrial inspection tasks.

Another technical highlight of the Offline X-Ray Inspection Machine is its tube current range of 10-200uA. This adjustable tube current allows for precise control over the X-ray intensity, enabling optimal imaging conditions for different materials and thicknesses. By fine-tuning the tube current, operators can achieve the best possible contrast and penetration in the X-ray images, enhancing the detection of internal defects. The flexibility in tube current settings ensures that the machine can be tailored to meet specific inspection challenges, improving overall inspection quality.

In summary, the Offline X-Ray Inspection Machine combines high mounting accuracy, superior detector resolution, user-friendly interface, substantial loading capacity, and versatile tube current settings to deliver exceptional inspection performance. Its integration of a high-quality Industrial X Ray Tube and advanced imaging technology positions it as a leading choice among Industrial X Ray Machines for businesses seeking reliable, precise, and efficient non-destructive testing solutions. Whether used in quality control, research, or production environments, this machine offers unparalleled imaging clarity and operational ease, helping industries maintain high standards and ensure product integrity.

Features:

- Product Name: Offline X-Ray Inspection Machine
- Mounting Accuracy: 0.01mm for precise component placement
- Detector Tilt: 45° Left/right for versatile inspection angles
- X-Ray Source: Industrial X Ray Tube with Micro-focus technology
- User Interface: Intuitive Touchscreen Control Panel for easy operation
- Image Frame Rate: 20fps for real-time imaging
- Specially designed Electronics X Ray Machine for detailed internal inspection
- High-resolution imaging suitable for Electronics X Ray Machine applications

Technical Parameters:

Mounting Accuracy	0.01mm
Focus Size	5 μm
Detector Resolution	1536×1536 Pixel
Tube Style	Closed
Component Recognition	Automatic
Detector Tilt	45° Left/right
Tube Voltage	90KV
Image Frame Rate	20fps
Loading Capacity	10kg
Software	Image Processing Software

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is an advanced Industrial X Ray Machine designed to meet the stringent demands of modern inspection needs. Originating from Shenzhen, China, this cutting-edge device integrates a micro-focus X-Ray tube, delivering high-resolution imaging with remarkable precision. Its tube voltage of 90KV and a fast image frame rate of 20fps ensure detailed and efficient inspection processes, making it an indispensable tool in various industrial settings.

This Industrial X Ray Machine is widely used in quality control and non-destructive testing across multiple industries. In electronics manufacturing, the Wisdomshow S7200 excels at inspecting printed circuit boards (PCBs), solder joints, and semiconductor components, allowing manufacturers to detect defects such as cracks, voids, and misalignments without damaging the product. The machine's mounting accuracy of 0.01mm guarantees precise positioning, which is critical for inspecting intricate and delicate components.

In the automotive industry, the Wisdomshow S7200 serves as a vital Inspection Tool for examining engine parts, welds, and castings. Its radiation safety level of less than 1 μ SV/H ensures operator protection during prolonged use, adhering to the highest safety standards.

The machine's high-resolution imaging capability enables engineers and quality assurance teams to identify internal flaws, structural weaknesses, or foreign materials, thereby enhancing product reliability and safety.

Additionally, the offline nature of this Industrial X Ray Machine allows for flexible deployment in various environments, from factory floors to research laboratories, without requiring continuous connectivity. This versatility makes it suitable for aerospace component inspection, medical device manufacturing, and even security screening applications. The Wisdomshow S7200's combination of high-precision imaging, rapid frame rate, and user-friendly operation positions it as a premier Inspection Tool for industries that demand meticulous internal examination of their products.

Overall, the Wisdomshow S7200 Offline X-Ray Inspection Machine is an essential asset for manufacturers and inspectors seeking reliable, safe, and highly accurate inspection solutions. Its advanced technology and robust design ensure that it performs exceptionally well in detecting defects, improving product quality, and maintaining compliance with industry standards across diverse application occasions and scenarios.

Customization:

Wisdomshow offers customizable services for the S7200 Offline X-Ray Inspection Machine, designed to meet diverse inspection needs. Manufactured in Shenzhen, China, this Electronics X Ray Machine features a tube current range of 10-200uA, ensuring precise and detailed imaging for various applications. With advanced Image Processing Software, users can enhance image clarity and accuracy, making it an ideal choice among inspection tools.

The S7200 model guarantees radiation safety with emissions of less than 1 μ SV/H, prioritizing operator health and safety. Its frame rate of 20fps at 1*1 resolution allows for smooth and efficient inspection processes. Additionally, the machine supports a loading capacity of up to 10kg, accommodating a wide range of products for thorough examination.

Wisdomshow's product customization services ensure that the Offline X-Ray Inspection Machine can be tailored to specific inspection requirements, making it a reliable and versatile option within the realm of inspection tools and Electronics X Ray Machines.

Support and Services:

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

Technical support includes installation guidance, system calibration, software updates, and troubleshooting assistance. Our team of experts is available to help you optimize the machine settings for your specific inspection requirements and to resolve any operational issues promptly.

We also provide preventive maintenance services to keep your X-Ray Inspection Machine running smoothly. Regular maintenance checks include inspection of mechanical components, verification of X-ray source performance, and thorough cleaning of sensitive parts to prevent contamination and ensure image clarity.

In addition, training sessions are available for your staff to maximize the effective use of the machine. These sessions cover operational best practices, safety protocols, and advanced features of the inspection system.

For software-related support, we offer updates and upgrades that enhance functionality and incorporate the latest inspection algorithms.

Our support team can assist with software installation and configuration to integrate seamlessly with your existing production workflow.

We are committed to providing prompt and reliable service to minimize downtime and maintain the highest standards of inspection quality.

Please refer to the user manual for detailed operating instructions and safety guidelines.

Packing and Shipping:

Product Packaging:

The Offline X-Ray Inspection Machine is carefully packaged to ensure maximum protection during transportation. The machine is first wrapped in anti-static and shock-absorbing materials to prevent any damage from vibrations or impacts. It is then placed inside a custom-designed wooden crate that provides sturdy support and stability. All accessories and components are securely packed in labeled compartments within the crate to avoid any movement. The packaging is sealed and clearly marked with handling instructions such as "Fragile," "This Side Up," and "Handle with Care" to ensure proper handling throughout the shipping process.

Shipping:

Shipping of the Offline X-Ray Inspection Machine is carried out through reliable logistics partners offering air, sea, or land transportation options. Prior to shipment, all necessary export documentation and compliance certificates are prepared to facilitate smooth customs clearance. The packaged machine undergoes a final inspection to verify the integrity of the packaging and contents. Upon dispatch, tracking information is provided to the customer for real-time monitoring. Upon arrival, it is recommended that the machine be inspected immediately for any possible transit damages and reported within the stipulated timeframe for any claims.

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 primary applications of the Wisdomshow S7200 Offline X-Ray Inspection Machine?

A3: The S7200 is mainly used for non-destructive testing and inspection in industries such as electronics, automotive, and manufacturing to detect internal defects and ensure product quality.

Q4: Does the Wisdomshow S7200 support offline operation?

A4: Yes, the S7200 is designed for offline inspection, allowing users to perform X-ray analysis without the need for continuous network connectivity.

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, advanced defect detection capabilities, and reliable performance suitable for various inspection needs.



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