



20fps Image Frame Rate Offline X-Ray Inspection Machine with 0.01mm Mounting Accuracy and 90KV Tube Voltage

Our Product Introduction

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Basic Information

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

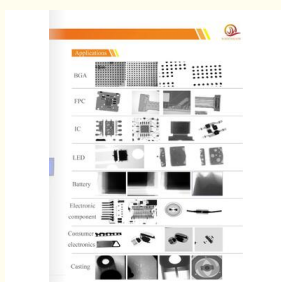
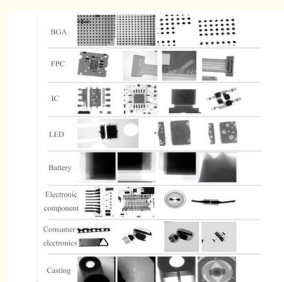


Product Specification

- Image Frame Rate: 20fps
- Tube Voltage: 90KV
- Tube Current: 10-200uA
- Tube Style: Closed
- Loading Capacity: 10kg
- Radiation Safety: <1 μ SV/H
- Frame Rate: 1*1 20fps
- Detector Tilt: 45° Left/right
- Highlight: 20fps industrial X-ray machine,
X-ray inspection machine with 0.01mm accuracy
, offline X-ray machine for enhanced inspection



More Images



Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art device designed to meet the rigorous demands of modern industrial and electronics inspection processes. Engineered with precision and advanced technology, this machine offers unparalleled performance for non-destructive testing and quality control in various manufacturing environments. It stands out as a reliable solution for detecting internal flaws, ensuring product integrity, and enhancing overall production efficiency.

At the core of this inspection system lies an Industrial X Ray Tube with a tube voltage of 90KV. This powerful tube voltage enables the machine to penetrate a wide range of materials, from dense metals to delicate electronic components, providing clear and detailed internal images. The closed tube style design ensures safety and durability, minimizing radiation leakage while maintaining consistent performance over prolonged usage. This robust construction makes it suitable for continuous operation in demanding industrial settings.

The Offline X-Ray Inspection Machine is equipped with a high-resolution detector featuring 1536×1536 pixels. This advanced detector resolution guarantees exceptionally sharp and precise imaging, allowing operators to identify even the smallest defects or inconsistencies within the inspected items. Whether it is for electronics assemblies, mechanical parts, or composite materials, the high pixel density ensures that every critical detail is captured accurately, facilitating thorough analysis and decision-making.

User interaction with the machine is intuitive and efficient, thanks to its modern touchscreen control panel. The User Interface is designed to simplify the operation process, enabling operators to easily adjust inspection parameters, view live images, and manage inspection routines with minimal training. The touchscreen functionality enhances productivity by providing quick access to essential controls and real-time feedback, thereby reducing downtime and improving workflow.

Complementing the hardware is the sophisticated Image Processing Software integrated into the system. This software is tailored to optimize the visualization and analysis of X-ray images, offering powerful tools for image enhancement, measurement, and defect detection. It supports various image formats and includes features such as contrast adjustment, zooming, and annotation capabilities. This allows inspectors to conduct comprehensive evaluations, generate detailed reports, and maintain consistent inspection standards across different batches and product lines.

As an essential Inspection Tool, the Offline X-Ray Inspection Machine plays a critical role in quality assurance processes across multiple industries. It is particularly invaluable in the electronics sector, where the Electronics X Ray Machine capability ensures the reliability of delicate components and assemblies by detecting hidden faults such as solder joint defects, component misalignments, and internal cracks. This non-invasive inspection method reduces the need for destructive testing, saving both time and resources.

In industrial applications, the machine's combination of a high-voltage Industrial X Ray Tube, superior detector resolution, user-friendly interface, and advanced software solutions provides a comprehensive inspection platform. It empowers manufacturers to uphold stringent quality standards, comply with regulatory requirements, and minimize the risk of product failures in the field. The Offline X-Ray Inspection Machine thus contributes significantly to product safety, customer satisfaction, and overall operational excellence.

In summary, the Offline X-Ray Inspection Machine is a cutting-edge inspection tool that merges powerful hardware with intelligent software to deliver exceptional imaging and analysis capabilities. Its 90KV tube voltage, 1536×1536 pixel detector resolution, closed tube design, touchscreen control panel, and integrated image processing software make it an indispensable asset for industries requiring precise and reliable internal inspections. Whether used in electronics manufacturing or heavy industry, this electronics X ray machine ensures that quality control processes are both thorough and efficient, helping businesses maintain a competitive edge in today's demanding market.

Features:

- Product Name: Offline X-Ray Inspection Machine
- Equipped with advanced Image Processing Software for accurate analysis
- Detector Tilt: 45° Left/right for flexible inspection angles
- High Detector Resolution of 1536×1536 Pixels ensuring detailed imaging
- Frame Rate: 1*1 20fps for efficient and fast inspection
- Industrial X Ray Tube with a tube voltage of 90KV for powerful imaging
- Designed as an Industrial X Ray Machine suitable for various applications
- Specialized BGA X Ray Inspection Machine ideal for Ball Grid Array inspections

Technical Parameters:

Tube Voltage	90KV
User Interface	Touchscreen Control Panel
Component Recognition	Automatic
Radiation Safety	<1 μSV/H
Image Frame Rate	20fps
Tube Style	Closed
Tube Current	10-200uA
Frame Rate	1*1 20fps
Mounting Accuracy	0.01mm
Detector Tilt	45° Left/right

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine, originating from Shenzhen, China, is a cutting-edge Industrial X Ray Machine designed to meet the rigorous demands of modern manufacturing environments. Featuring a user-friendly touchscreen control panel, this SMT X Ray Machine offers precise and efficient inspection capabilities, making it an indispensable tool for quality control and assurance processes.

One of the primary application occasions for the Wisdomshow S7200 is in the electronics manufacturing industry, particularly for Surface-Mount Technology (SMT) assembly lines. As an SMT X Ray Machine, it excels at inspecting solder joints, detecting hidden defects such as voids, cracks, and misalignments in components that are otherwise invisible to traditional optical inspection methods. This makes it ideal for ensuring the reliability and functionality of printed circuit boards (PCBs) before they proceed to the next stage of production or assembly.

Moreover, the offline nature of the Wisdomshow S7200 allows for flexible deployment in various scenarios where in-line inspection is not feasible or when batch testing is preferred. This includes small to medium-sized production facilities, research and development labs, and repair centers that require detailed, non-destructive analysis of electronic components and assemblies. The machine's micro-focus X-Ray tube and closed tube style provide high-resolution imaging with minimal maintenance, ensuring consistent performance and longevity.

With a robust loading capacity of up to 10kg and a frame rate of 1*1 at 20fps, the Wisdomshow S7200 can handle a wide range of product sizes and complexities, from small electronic components to larger assemblies. This versatility makes it suitable not only for SMT inspection but also for applications in automotive electronics, aerospace components, medical device manufacturing, and other industries where precision and reliability are paramount.

In summary, the Wisdomshow S7200 Offline X-Ray Inspection Machine is a powerful and versatile SMT X Ray Machine that serves as a vital inspection solution across various industrial scenarios. Its advanced features and reliable performance enable manufacturers to uphold stringent quality standards, reduce defects, and enhance overall production efficiency.

Support and Services:

Our Offline X-Ray Inspection Machine is designed to provide precise and reliable inspection solutions for various industries, ensuring product quality and safety. For technical support, we offer comprehensive assistance including installation guidance, operational training, troubleshooting, and maintenance services to keep your equipment running at optimal performance.

Our team of experienced engineers is available to help diagnose and resolve any technical issues that may arise. We provide detailed user manuals, software updates, and calibration services to ensure accuracy and compliance with industry standards.

Regular maintenance programs are also available to extend the lifespan of your X-Ray Inspection Machine, including preventive checks and parts replacement. Our support services aim to minimize downtime and maximize your inspection efficiency.

For any technical inquiries or service requests, please refer to the support resources provided with your machine or visit our official website for additional documentation and FAQs.

Packing and Shipping:

The Offline X-Ray Inspection Machine is carefully packaged to ensure maximum protection during transportation. The machine is securely placed in a custom-fitted foam insert within a sturdy, double-walled wooden crate to prevent any damage from shocks or vibrations.

All sensitive components are wrapped with anti-static materials and moisture-absorbing packets are included to safeguard against humidity. Additionally, the packaging is clearly labeled with handling instructions and orientation indicators to ensure proper care.

For shipping, the crate is sealed and reinforced with metal straps. The product can be shipped via air, sea, or land freight depending on the destination and urgency. Comprehensive shipping documentation, including a detailed packing list and user manual, is enclosed to facilitate smooth customs clearance and setup upon arrival.

Upon delivery, it is recommended to inspect the packaging for any visible damage before unpacking and to follow the provided guidelines for safe installation and operation of the Offline X-Ray Inspection Machine.

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 types of products can be inspected using the Wisdomshow S7200 Offline X-Ray Inspection Machine?

A3: The Wisdomshow S7200 is suitable for inspecting a variety of products including electronics, food, pharmaceuticals, and packaging to detect foreign objects and ensure product quality.

Q4: Is the Wisdomshow S7200 easy to operate for new users?

A4: Yes, the Wisdomshow S7200 features a user-friendly interface designed to facilitate easy operation and quick setup, even for users without extensive technical experience.

Q5: What safety features are included in the Wisdomshow S7200 Offline X-Ray Inspection Machine?

A5: The Wisdomshow S7200 includes multiple safety measures such as radiation shielding, emergency stop buttons, and compliance with international safety standards to ensure safe operation.



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