



Online X-Ray Inspection Machine with Adjustable Conveyor Speed Up To 60 M/min, 90KV-130KV Tube Voltage, and Lead Shielding for Radiation Protection

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: WisdomshowWi
- Model Number: AXI-7600



Product Specification

- Product Name: Online X-Ray Inspection Machine
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Conveyor Speed: Adjustable, Typically Up To 60 M/min
- Inspection Type: X-Ray
- Detection Objects: Metal Contaminants, Foreign Objects, Product Integrity
- Operating Voltage: 220V/110V, 50/60Hz
- Power Consumption: Typically 1-3 KW
- Tube Type: Closed
- Highlight: **Adjustable Conveyor Speed Online X-Ray Inspection Machine**
90KV-130KV Tube Voltage Inline SMT X-Ray Equipment

Product Description:

The Online X-Ray Inspection Machine is a state-of-the-art automatic industrial X-ray machine designed to provide precise and reliable non-destructive testing and quality control for a wide range of applications. This advanced inline SMT X-ray equipment is engineered to meet the stringent demands of modern manufacturing, ensuring that every product is thoroughly inspected for defects and inconsistencies without causing any damage or disruption to the production process.

One of the key features of this online X-ray inspection system is its adjustable conveyor speed, which typically operates up to 60 meters per minute. This flexibility allows the machine to seamlessly integrate into various production lines, accommodating different throughput requirements while maintaining high inspection accuracy. The adjustable conveyor speed ensures that the inspection process is both efficient and adaptable, making it ideal for fast-paced industrial environments where speed and precision are paramount.

The machine is equipped with a high-performance X-ray tube capable of operating within a voltage range of 90KV to 130KV. This broad tube voltage range provides the necessary penetration power to inspect a variety of materials and product types, from delicate electronic components to more robust assemblies. The ability to adjust the tube voltage ensures optimal imaging quality, enabling the detection of even the smallest defects such as solder joint issues, voids, cracks, and foreign materials.

In terms of physical dimensions, the Online X-Ray Inspection Machine typically measures around 2000mm in length, 800mm in width, and 1500mm in height. These dimensions are thoughtfully designed to optimize space utilization on the production floor while providing ample room for the inspection process and operator access. Despite its compact footprint, the machine offers robust performance and integrates easily with existing manufacturing lines, enhancing overall workflow efficiency.

This X-ray inspection system is specifically developed for non-destructive testing and quality control, making it an indispensable tool for industries such as electronics manufacturing, automotive, aerospace, and medical device production. By using advanced imaging technology, the machine enables manufacturers to identify hidden defects that are not visible through traditional inspection methods, thereby reducing the risk of product failure and ensuring compliance with industry standards and customer specifications.

As an inline SMT X-ray equipment solution, the machine supports real-time inspection and analysis, facilitating immediate decision-making and corrective actions on the production line. This capability significantly reduces downtime and waste, improving overall yield and profitability. The automatic industrial X-ray machine is equipped with intuitive software and user-friendly interfaces, allowing operators to easily configure inspection parameters, review images, and generate detailed reports for quality assurance purposes.

Overall, the Online X-Ray Inspection Machine represents a cutting-edge solution for manufacturers seeking to enhance their quality control processes through advanced X-ray technology. Its combination of adjustable conveyor speed, versatile tube voltage range, compact dimensions, and application-focused design makes it a valuable asset for ensuring the highest levels of product integrity and reliability. By incorporating this innovative X-ray inspection system into their production lines, companies can achieve superior inspection capabilities, streamline operations, and maintain a competitive edge in the marketplace.

Features:

Product Name: Online X-Ray Inspection Machine

Operating Voltage: 220V/110V, 50/60Hz

Software Features:

Real-time Image Processing

Defect Detection

Data Logging

Machine Dimensions: Varies, Typically Around 2000mm X 800mm X 1500mm

Tube Voltage: 90KV-130KV

Tube Type: Closed

Suitable for inline SMT X-ray equipment applications

Functions as an automatic X-ray machine

Efficient X-ray solder joint inspection system

Technical Parameters:

Product Name	Online X-Ray Inspection Machine
Inspection Type	X-Ray
Power Consumption	Typically 1-3 KW
Tube Type	Closed
Machine Dimensions	Varies, Typically Around 2000mm X 800mm X 1500mm
Safety Features	Lead Shielding, Interlock System, Radiation Protection Compliance
User Interface	Touchscreen Control Panel With Graphical User Interface
Software Features	Real-time Image Processing, Defect Detection, Data Logging
Tube Voltage	90KV-130KV
Material Compatibility	Suitable For Various Packaging Materials Including Plastic, Glass, Metal, And Cardboard

Applications:

The WisdomshowWi AXI-7600, an advanced Industrial X-ray machine originating from Shenzhen, China, is designed to meet the rigorous demands of non-destructive testing and quality control across various industries. This inline SMT X-ray equipment is ideal for applications where precision and reliability are paramount, ensuring that products meet the highest standards without compromising their integrity. With a typical power consumption of just 1-3 KW, the AXI-7600 is both energy-efficient and powerful, making it suitable for continuous operation in high-throughput production environments.

One of the primary application occasions for the WisdomshowWi AXI-7600 is in the electronics manufacturing sector, where it serves as a critical PCB X-ray machine. It allows for detailed inspection of printed circuit boards to detect hidden defects such as solder joint issues, internal voids, and misalignments that are not visible through traditional visual inspection methods. This capability is essential for ensuring the reliability and performance of electronic components, especially in industries like automotive, aerospace, and consumer electronics. Beyond electronics, this Industrial X-ray machine is extensively used in food and pharmaceutical industries for detecting metal contaminants and foreign objects within packaged products. Thanks to its closed tube type design, the AXI-7600 offers enhanced safety and stability during inspection processes. Its compatibility with various packaging materials including plastic, glass, metal, and cardboard allows it to be seamlessly integrated into diverse production lines, providing comprehensive inspection solutions without damaging the packaging.

The inline SMT X-ray equipment is also well-suited for quality control in manufacturing sectors that require verification of product integrity. Whether it is checking for completeness, structural flaws, or internal defects, the AXI-7600 offers precise imaging and analysis capabilities. This versatility ensures that manufacturers can maintain stringent quality standards while minimizing waste and rework.

In summary, the WisdomshowWi AXI-7600 Industrial X-ray machine is an indispensable tool for quality assurance and safety inspections. Its advanced detection capabilities, energy-efficient operation, and material compatibility make it an excellent choice for a wide range of application scenarios, from electronics manufacturing to food safety and beyond.

Customization:

WisdomshowWi offers comprehensive product customization services for the AXI-7600, an advanced automatic industrial X-ray machine designed to meet diverse inspection needs. Manufactured in Shenzhen, China, this Real-time X-ray machine operates efficiently with a voltage of 220V/110V and a frequency of 50/60Hz, ensuring compatibility across various industrial environments.

The AXI-7600 features cutting-edge X-ray NDT equipment capabilities, utilizing either a Digital Flat Panel Detector or a Line Scan Detector for superior imaging technology. Its user-friendly touchscreen control panel with a graphical user interface allows for seamless operation and precise control during inspections.

Our customization services include tailoring software features such as real-time image processing, defect detection, and data logging to align perfectly with your quality assurance requirements. Whether you need enhanced imaging options or specific data management functionalities, WisdomshowWi can adapt the AXI-7600 to suit your unique industrial applications.

Choose WisdomshowWi's AXI-7600 for reliable, efficient, and customizable X-ray inspection solutions that elevate your product quality and inspection accuracy with state-of-the-art X-ray NDT equipment.

Support and Services:

Our Online 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:

Our dedicated team of experts is available to assist you with installation, calibration, troubleshooting, and maintenance of the Online X-Ray Inspection Machine. We provide detailed user manuals, software updates, and remote diagnostics to help you resolve any technical issues efficiently.

Training Services:

We offer customized training programs for your operators and maintenance personnel to ensure proper use and care of the equipment.

Training sessions can be conducted onsite or online, covering operational procedures, safety protocols, and routine maintenance tasks.

Maintenance and Repair:

Regular maintenance services are available to keep your X-Ray Inspection Machine operating at peak efficiency. Our service team performs preventive maintenance, repairs, and parts replacement using genuine components to minimize downtime and extend equipment lifespan.

Upgrades and Customization:

We provide software and hardware upgrade options to enhance the capabilities of your inspection system. Customization services are also available to tailor the machine's functions to meet specific application requirements.

Warranty and Service Agreements:

Our products come with a standard warranty covering manufacturing defects. Additionally, we offer extended service agreements that include priority support, scheduled maintenance, and discounted repair services for greater peace of mind.

For more detailed information on our support and service offerings for the Online X-Ray Inspection Machine, please refer to the product documentation or consult with your local representative.

Packing and Shipping:

Product Packaging:

The Online X-Ray Inspection Machine is carefully packaged to ensure safe delivery and optimal protection during transit. The machine is secured within a sturdy, custom-designed wooden crate with internal foam padding to prevent any movement or damage. All delicate components are individually wrapped with anti-static and shock-absorbing materials. The packaging is clearly labeled with handling instructions and fragile warnings to ensure proper care.

Shipping:

We offer worldwide shipping options for the Online X-Ray Inspection Machine. The product is shipped via reliable freight carriers with full tracking and insurance coverage. Upon shipment, customers will receive a tracking number and estimated delivery date. We coordinate closely with logistics partners to ensure timely and safe delivery. Installation support and documentation are included to facilitate a smooth setup upon arrival.

FAQ:

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

A1: The Online X-Ray Inspection Machine is branded WisdomshowWi, and the model number is AXI-7600.

Q2: Where is the WisdomshowWi AXI-7600 machine manufactured?

A2: The machine is manufactured in Shenzhen, China.

Q3: What types of inspections can the AXI-7600 perform?

A3: The AXI-7600 is designed for automated X-ray inspection of electronic components, PCBs, and solder joints to detect defects such as shorts, opens, and misalignments.

Q4: Is the AXI-7600 suitable for integration into an existing production line?

A4: Yes, the AXI-7600 is designed for online inspection and can be integrated seamlessly into existing production lines for real-time quality control.

Q5: What kind of software does the AXI-7600 use for image analysis?

A5: The AXI-7600 comes with advanced image processing software developed by WisdomshowWi, featuring automated defect recognition and user-friendly interface for easy operation.



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