



Online X-Ray Inspection Machine with High Resolution Up To 0.1 Mm and Lead Shielding for Real-Time Imaging

Our Product Introduction

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Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: WisdomshowWi
- Model Number: AXI-7600
- Minimum Order Quantity: 1
- Packaging Details: Wooden case
- Delivery Time: 10 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union



Product Specification

- Operating Voltage: 220V/110V, 50/60Hz
- Weight: Approximately 500-800 Kg
- Resolution: High Resolution, Up To 0.1 Mm
- Material Compatibility: Suitable For Various Packaging Materials Including Plastic, Glass, Metal, And Cardboard
- Microfocus Size: 5-15 μm /5 μm
- Detection Objects: Metal Contaminants, Foreign Objects, Product Integrity
- Tube Type: Closed
- Conveyor Speed: Adjustable, Typically Up To 60 M/min
- Highlight: **High Resolution Online X-Ray Inspection Machine**, **Lead Shielding X-Ray NDT Equipment**, **Real Time Imaging Industrial X-Ray Machine**



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Product Description:

The Online X-Ray Inspection Machine is a state-of-the-art real-time X-ray machine designed to meet the rigorous demands of modern industrial inspection. This advanced device is particularly well-suited for applications such as PCB X-ray machine operations and other intricate inspection tasks requiring high precision and reliability. With its cutting-edge imaging technology and robust safety features, it guarantees both exceptional performance and operator safety.

At the heart of this online X-ray inspection system lies its sophisticated imaging technology, which employs either a Digital Flat Panel Detector or a Line Scan Detector. These detectors provide high-resolution, real-time images, enabling users to accurately analyze and inspect components on the production line without interruption. This capability is indispensable for quality control in industries such as electronics manufacturing, where detecting defects in printed circuit boards (PCBs) is critical. The 3D X-ray inspection system functionality further enhances inspection accuracy by offering multi-dimensional views of complex assemblies, allowing for comprehensive defect detection and analysis.

The machine operates with an efficient power consumption range typically between 1 to 3 KW, making it an energy-conscious solution suitable for continuous operation in demanding industrial environments. Despite its powerful capabilities, the machine maintains a manageable weight of approximately 500 to 800 kilograms, balancing robustness with practical installation and integration considerations in a production setting.

User interaction is streamlined through a modern touchscreen control panel equipped with a graphical user interface (GUI). This intuitive interface simplifies operation, allowing technicians to easily configure inspection parameters, view real-time imaging results, and manage data efficiently. The responsive touchscreen enhances workflow efficiency, reducing downtime and boosting productivity on the production floor.

Safety is a paramount consideration in the design of this online X-ray inspection machine. The system incorporates comprehensive safety features including lead shielding to effectively contain X-ray emissions and protect operators from radiation exposure. An interlock system ensures the machine cannot be operated unless all safety conditions are met, preventing accidental exposure. Moreover, the entire system complies with stringent radiation protection regulations, providing peace of mind and ensuring adherence to industry standards and legal requirements.

Whether used as a PCB X-ray machine for inspecting printed circuit boards or as a versatile 3D X-ray inspection system for a broad range of applications, this online X-ray inspection machine delivers reliable, real-time imaging and thorough inspection capabilities. Its blend of high-performance imaging technology, user-friendly interface, energy efficiency, and robust safety measures makes it an indispensable tool for enhancing quality control and ensuring product integrity in high-tech manufacturing environments.

In summary, the Online X-Ray Inspection Machine is a cutting-edge solution that combines digital flat panel or line scan detector imaging technology with user-centric control and rigorous safety features. Its real-time imaging capabilities, energy efficiency, and compliance with radiation protection standards position it as a leading choice for industries seeking precise, reliable, and safe X-ray inspection solutions.

Features:

- Product Name: Online X-Ray Inspection Machine
- Conveyor Speed: Adjustable, Typically Up To 60 M/min
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Tube Voltage: 90KV-130KV
- Material Compatibility: Suitable For Various Packaging Materials Including Plastic, Glass, Metal, And Cardboard
- Microfocus Size: 5-15 µm / 5 µm
- Ideal for Use as Inline SMT X-ray Equipment
- Functions as an Automatic X-ray Machine for Efficient Inspection
- Provides Reliable X-ray Solder Joint Inspection System Capabilities

Technical Parameters:

User Interface	Touchscreen Control Panel With Graphical User Interface
Power Consumption	Typically 1-3 KW
Microfocus Size	5-15 µm / 5 µm
Safety Features	Lead Shielding, Interlock System, Radiation Protection Compliance
Operating Voltage	220V/110V, 50/60Hz
Application	Non-destructive Testing And Quality Control
Software Features	Real-time Image Processing, Defect Detection, Data Logging
Resolution	High Resolution, Up To 0.1 Mm
Conveyor Speed	Adjustable, Typically Up To 60 M/min
Imaging Technology	Digital Flat Panel Detector Or Line Scan Detector

Applications:

The WisdomshowWi Online X-Ray Inspection Machine, model AXI-7600, is a state-of-the-art industrial X-ray machine designed and manufactured in Shenzhen, China. This advanced X-ray inspection equipment is ideal for a wide range of application occasions and

scenarios where precision and safety are paramount. With its high resolution capability of up to 0.1 mm, the AXI-7600 ensures detailed and accurate inspection results, making it an essential tool in quality control and non-destructive testing (NDT) processes.

In manufacturing industries, the WisdomshowWi AXI-7600 is extensively used for inspecting electronic components, circuit boards, and small mechanical parts. Its high-resolution imaging helps detect internal defects such as cracks, voids, and soldering issues that are not visible to the naked eye. This makes it invaluable in the electronics and automotive sectors, where product reliability and safety are critical. The machine's compatibility with both 220V and 110V operating voltages, along with 50/60Hz frequency, ensures it can be deployed in diverse industrial environments worldwide.

The X-ray NDT equipment is also widely applied in aerospace and defense industries for non-destructive evaluation of complex assemblies and critical components. The AXI-7600's robust safety features, including lead shielding, an interlock system, and full radiation protection compliance, guarantee operator safety and environmental protection during inspection operations. This makes it suitable for continuous online inspection processes in production lines, ensuring real-time quality assurance without compromising safety standards. Additionally, the WisdomshowWi Online X-Ray Inspection Machine is perfect for pharmaceutical and food industries where hygiene and contamination detection are vital. It can inspect packaging integrity and detect foreign objects inside products, thus safeguarding consumer health. The machine's high resolution and precise imaging capabilities enhance its effectiveness in these sensitive applications.

Overall, the AXI-7600 excels in various scenarios requiring meticulous inspection and quality assurance. Whether it is used for industrial X-ray machine applications in manufacturing, detailed X-ray inspection equipment in aerospace, or reliable X-ray NDT equipment in pharmaceuticals, this product offers unparalleled performance, safety, and versatility for online inspection needs.

Customization:

WisdomshowWi offers customized solutions for the Online X-Ray Inspection Machine, model AXI-7600, designed and manufactured in Shenzhen, China. This real-time X-ray machine features a closed tube type with a tube voltage range of 90KV-130KV, ensuring high-quality and reliable performance for various inspection needs.

Our SMT X-ray machine is equipped with advanced imaging technology, utilizing either a Digital Flat Panel Detector or a Line Scan Detector to provide precise and clear imaging results. This flexibility allows the system to be tailored to your specific production requirements.

The AXI-7600 serves as an efficient X-ray solder joint inspection system, capable of detecting defects and ensuring the quality of solder joints in electronic assemblies. With customization options available, WisdomshowWi ensures that each machine meets the unique demands of your manufacturing process, enhancing inspection accuracy and efficiency.

Support and Services:

Our Online X-Ray Inspection Machine is designed to provide high-precision, real-time inspection solutions for a wide range of industries. To ensure optimal performance and longevity of your equipment, we offer comprehensive technical support and services tailored to your specific needs.

Technical Support:

Our team of experienced engineers and technicians is available to assist you with installation, calibration, troubleshooting, and maintenance of your Online X-Ray Inspection Machine. We provide detailed user manuals, software updates, and remote support services to minimize downtime and maximize inspection accuracy.

Training Services:

We offer on-site and remote training sessions for your operators and maintenance personnel, covering system operation, safety protocols, and routine maintenance procedures. Our training programs are designed to enhance user competency and ensure safe and effective use of the equipment.

Maintenance and Repair:

Regular maintenance services are available to keep your Online X-Ray Inspection Machine running at peak efficiency. Our preventive maintenance plans include system diagnostics, component replacement, and performance optimization. In case of equipment malfunction, our rapid repair services aim to restore functionality promptly.

Customization and Upgrades:

We provide options for system customization to meet unique inspection requirements, including software enhancements and hardware modifications. Upgrade packages are available to incorporate the latest technology advancements, ensuring your inspection system remains state-of-the-art.

Spare Parts Supply:

Genuine spare parts and consumables for the Online X-Ray Inspection Machine are readily available to maintain system reliability and performance. Our parts inventory ensures quick delivery and compatibility with your existing equipment.

Customer Satisfaction:

We are committed to delivering exceptional customer service and support. Our technical support team works closely with you to understand your challenges and provide effective solutions, ensuring your investment in the Online X-Ray Inspection Machine delivers maximum value.

Packing and Shipping:

The Online 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 mold inside a robust, double-walled cardboard box to prevent movement and absorb shocks. Additional protective materials such as anti-static bags and moisture-absorbing packets are included to safeguard sensitive electronic components from environmental damage.

For shipping, the packaged machine is placed in a sturdy wooden crate or palletized with reinforced straps to provide stability and prevent damage during handling and transportation.

We work with trusted logistics partners to offer reliable shipping options worldwide, with tracking available to monitor your order's progress from our facility to your location.

Upon receipt, please inspect the package for any visible damage and report any issues immediately to ensure prompt assistance and resolution.

FAQ:

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

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

Q2: Where is the WisdomshowWi AXI-7600 X-Ray Inspection Machine made?

A2: This machine is made in Shenzhen, China.

Q3: What applications is the AXI-7600 suitable for?

A3: The AXI-7600 is designed for automated online X-ray inspection, ideal for quality control in electronics manufacturing, detecting hidden defects, and ensuring product reliability.

Q4: Does the AXI-7600 support real-time inspection?

A4: Yes, the WisdomshowWi AXI-7600 provides real-time X-ray inspection to quickly identify defects during the production process.

Q5: What kind of defects can the AXI-7600 detect?

A5: The AXI-7600 can detect internal defects such as solder joint issues, voids, cracks, and foreign materials inside electronic components and assemblies.



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