



High Resolution Online X-Ray Inspection Machine with Adjustable Conveyor Speed and 500-800 Kg Load Capacity

Our Product Introduction

for more products please visit us on bgaxraymachine.com

Basic Information

- Place of Origin: China, Shenzhen
- Brand Name: Wisdomshow
- Certification: CE FDA ISO
- Model Number: AXI-7600
- 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

- Tube Type: Closed
- Tube Type: Closed
- Power Consumption: Typically 1-3 KW
- Power Consumption: Typically 1-3 KW
- Resolution: High Resolution, Up To 0.1 Mm
- Imaging Technology: Digital Flat Panel Detector Or Line Scan Detector
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Material Compatibility: Suitable For Various Packaging Materials Including Plastic, Glass, Metal, And Cardboard

Product Description:

The Online X-Ray Inspection Machine is an advanced X-ray inspection system designed to deliver high precision and efficiency in quality control processes across various industries. Utilizing cutting-edge imaging technology, this machine is equipped with either a Digital Flat Panel Detector or a Line Scan Detector, ensuring exceptional image clarity and detail. These imaging options provide flexibility and adaptability, allowing users to choose the most suitable technology for their specific inspection requirements.

One of the standout features of this X-ray inspection solution is its microfocus size, which ranges from 5 to 15 µm, with some models offering an ultra-fine 5 µm focus. This microfocus capability enables the detection of minute defects and internal inconsistencies that are otherwise invisible to traditional inspection methods. The high resolution of up to 0.1 mm further enhances the machine's ability to produce clear and precise images, making it an indispensable tool for applications that demand meticulous scrutiny.

Designed for versatility, the Online X-Ray Inspection Machine is compatible with a wide range of packaging materials, including plastic, glass, metal, and cardboard. This broad material compatibility makes the system an ideal choice for industries such as electronics, pharmaceuticals, food and beverage, and automotive manufacturing. Whether inspecting delicate plastic components, robust metal parts, or fragile glass containers, the machine ensures reliable and accurate inspection results every time.

Energy efficiency is another critical aspect of this inline SMT X-ray equipment. With a typical power consumption between 1 to 3 KW, the system strikes a balance between high performance and operational cost savings. This low power consumption not only reduces energy expenses but also contributes to a more sustainable manufacturing environment, aligning with modern industry standards for eco-friendly operations.

The Online X-Ray Inspection Machine excels in inline inspection scenarios, seamlessly integrating into production lines to provide real-time quality assurance without interrupting workflow. This capability is particularly beneficial in surface-mount technology (SMT) assembly lines, where the inline SMT X-ray equipment can quickly and accurately detect solder joint defects, component misalignments, and other hidden faults. By enabling immediate identification and correction of issues, the system helps manufacturers reduce scrap rates, enhance product reliability, and improve overall production efficiency.

Moreover, this X-ray inspection system is user-friendly and designed for ease of operation. Advanced software interfaces allow operators to customize inspection parameters, analyze images with precision, and generate detailed reports for quality documentation. The system's robust construction ensures durability and consistent performance even in demanding industrial environments.

In summary, the Online X-Ray Inspection Machine represents a state-of-the-art X-ray inspection solution that combines high-resolution imaging, versatile material compatibility, and energy-efficient operation. Its ability to integrate as inline SMT X-ray equipment makes it an invaluable asset for manufacturers seeking to enhance product quality and streamline inspection processes. Whether used for detecting defects in complex electronic assemblies or inspecting packaging integrity, this machine delivers reliable, accurate, and efficient inspection capabilities to meet the evolving demands of modern production lines.

Features:

Product Name: Online X-Ray Inspection Machine

Safety Features:

Lead Shielding for enhanced protection

Interlock System to prevent unauthorized access

Radiation Protection Compliance ensuring user safety

User Interface: Touchscreen Control Panel with Graphical User Interface for easy operation

Material Compatibility: Suitable for various packaging materials including plastic, glass, metal, and cardboard

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

Application: Non-destructive testing and quality control

Ideal for use as an X-ray solder joint inspection system, inline SMT X-ray machine, and PCB X-ray machine

Technical Parameters:

Product Name	Online X-Ray Inspection Machine
Inspection Type	X-Ray
Tube Voltage	90KV-130KV
Microfocus Size	5-15 µm / 5 µm
Resolution	High Resolution, Up To 0.1 mm
Software Features	Real-time Image Processing, Defect Detection, Data Logging
Application	Non-destructive Testing And Quality Control
Safety Features	Lead Shielding, Interlock System, Radiation Protection Compliance
Power Consumption	Typically 1-3 KW
Weight	Approximately 500-800 Kg

Applications:

The WisdomshowWi AXI-7600, originating from Shenzhen, China, is a state-of-the-art online X-ray inspection machine designed to meet

the rigorous demands of modern manufacturing environments. Weighing approximately 500-800 kg, this advanced system is an essential tool for quality control across various industries. Its robust construction and versatility make it ideal for integration into production lines where precision and reliability are paramount.

This X-ray solder joint inspection system is particularly suited for the electronics manufacturing sector, where it provides thorough inspection of solder joints on printed circuit boards (PCBs). By utilizing cutting-edge imaging technology such as a Digital Flat Panel Detector or a Line Scan Detector, the AXI-7600 offers high-resolution, real-time imaging that enables the detection of minute defects and ensures product integrity. This makes it an indispensable inline SMT X-ray equipment solution for surface mount technology production lines, enhancing productivity by identifying faults early in the manufacturing process.

Beyond electronics, the AXI-7600 is compatible with a wide range of packaging materials including plastic, glass, metal, and cardboard. This versatility allows it to serve diverse industries such as automotive, aerospace, pharmaceuticals, and food packaging. The machine's tube voltage range of 90KV-130KV provides ample power to penetrate different material densities, ensuring comprehensive inspection regardless of the product packaging.

Equipped with sophisticated software features, the WisdomshowWi AXI-7600 offers real-time image processing, defect detection, and data logging capabilities. These functionalities enable operators to monitor production quality continuously, quickly identify issues, and maintain detailed records for quality assurance and regulatory compliance. The system's intuitive interface and automated analysis reduce human error and improve inspection efficiency.

In summary, the WisdomshowWi AXI-7600 online X-ray inspection machine serves a wide array of application occasions and scenarios. It excels as an inline SMT X-ray equipment in electronics manufacturing, offers an effective X-ray inspection solution for various packaging materials, and supports industries requiring meticulous quality control. Its advanced imaging technology, flexible material compatibility, and powerful software features make it a vital asset for ensuring product safety, reliability, and performance throughout the production process.

Customization:

WisdomshowWi offers comprehensive product customization services for the AXI-7600 Online X-Ray Inspection Machine, designed to meet diverse industrial needs. As a leading X-ray inspection system manufactured in Shenzhen, China, this automatic X-ray machine can be tailored to your specific requirements, ensuring optimal performance and reliability.

The AXI-7600 model operates on a voltage of 220V/110V at 50/60Hz and features a closed tube type, providing efficient and safe X-ray NDT equipment functionality. Power consumption typically ranges between 1-3 KW, allowing for energy-efficient operation. Customization options include adjustments to machine dimensions, which generally measure around 2000mm x 800mm x 1500mm, to fit your workspace and inspection needs.

Safety is a paramount concern in the design of this automatic X-ray machine. The AXI-7600 is equipped with advanced lead shielding, an interlock system, and complies with radiation protection standards to ensure operator safety and regulatory compliance. WisdomshowWi's customization services enable modifications to these safety features to align with your specific operational protocols.

By choosing WisdomshowWi's customized X-ray inspection system, you gain access to tailored solutions that enhance inspection accuracy, efficiency, and safety for your non-destructive testing processes. Our expertise in X-ray NDT equipment customization ensures that the AXI-7600 meets your precise technical and operational demands.

Support and Services:

Our Online X-Ray Inspection Machine is supported by a dedicated team of technical experts committed to ensuring optimal performance and reliability. We provide comprehensive installation guidance, system calibration, and routine maintenance services to keep your inspection processes running smoothly.

In addition to standard support, we offer customized training programs for your operators and maintenance personnel to maximize the efficiency and accuracy of the inspection system. Our technical support team is equipped to assist with software updates, troubleshooting, and system upgrades tailored to your specific application needs.

We also provide remote diagnostics and real-time monitoring solutions to promptly identify and resolve any operational issues, minimizing downtime. Our service packages include preventive maintenance plans designed to extend the lifespan of your equipment and ensure consistent inspection quality.

For enhanced service, we offer spare parts supply and replacement services, ensuring that critical components are readily available when needed. Our commitment is to deliver responsive, expert support that helps you maintain high standards of quality control and production efficiency with your Online X-Ray Inspection Machine.

Packing and Shipping:

Product Packaging:

The Online X-Ray Inspection Machine is carefully packaged to ensure safe delivery and protection during transit. The machine is first wrapped in anti-static foam and shock-absorbing materials to prevent any damage from vibrations or impacts. It is then securely placed inside a custom-designed, sturdy wooden crate with reinforced corners. The crate is labeled with handling instructions, including "Fragile," "This Side Up," and "Handle with Care" to guide logistics personnel. All accessories and cables are packed separately in labeled compartments within the crate to avoid loss or damage. Additionally, moisture-absorbing packets are included to protect the electronic components from humidity.

Shipping:

Shipping of the Online X-Ray Inspection Machine is carried out through reliable freight services that specialize in handling sensitive and high-value electronic equipment. The product is insured during transit to cover any unforeseen damages or losses. Shipment tracking details are provided to the customer for real-time monitoring. Depending on the destination, shipping options include air freight for expedited delivery or sea freight for cost-effective bulk transport. Upon arrival, the customer receives a complete package inspection checklist to verify the integrity of the shipment. Installation support and after-sales service information are also provided to ensure a smooth setup process.

FAQ:

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

A1: The machine is from the brand WisdomshowWi, and the model number is AXI-7600.

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

A2: It is manufactured in Shenzhen, China.

Q3: What types of defects can the AXI-7600 detect during inspection?

A3: The AXI-7600 can detect various defects such as soldering issues, missing components, misalignment, and internal structural defects

in electronic assemblies.

Q4: Is the AXI-7600 suitable for inline inspection in a production environment?

A4: Yes, the AXI-7600 is designed for online, real-time X-Ray inspection, making it suitable for integration into production lines for efficient quality control.

Q5: What are the key features of the WisdomshowWi AXI-7600 Online X-Ray Inspection Machine?

A5: Key features include high-resolution imaging, fast scanning speeds, user-friendly software interface, and robust build quality, ideal for detailed electronic inspection.



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