



Online X-Ray Inspection Machine with Adjustable Conveyor Speed and Real-time Image Processing for High Resolution 0.1 mm Detection

Our Product Introduction

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Basic Information

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



Product Specification

- Microfocus Size: 5-15 μm /5 μm
- Application: Non-destructive Testing And Quality Control
- Weight: Approximately 500-800 Kg
- Power Consumption: Typically 1-3 KW
- Software Features: Real-time Image Processing, Defect Detection, Data Logging
- Detection Objects: Metal Contaminants, Foreign Objects, Product Integrity
- Product Name: Online X-Ray Inspection Machine
- Operating Voltage: 220V/110V, 50/60Hz
- Highlight: **Adjustable Conveyor Speed Online X-Ray Inspection Machine**
,
Real-time Image Processing Automatic X-Ray Machine

Product Description:

The Online X-Ray Inspection Machine is an advanced automatic X-ray machine designed to meet the rigorous demands of modern manufacturing and quality control processes. It is specifically engineered to provide high-precision inspection capabilities for a wide range of products and packaging materials, making it an indispensable tool in various industrial sectors. This machine integrates cutting-edge technology to ensure accurate detection of defects, contaminants, and inconsistencies, thereby improving product reliability and safety. One of the standout features of the Online X-Ray Inspection Machine is its adjustable conveyor speed, which can typically reach up to 60 meters per minute. This flexibility allows manufacturers to optimize inspection throughput according to their production line requirements, balancing speed and accuracy effectively. Whether the need is for high-speed inspection or detailed analysis, the adjustable conveyor speed ensures seamless integration into diverse manufacturing environments.

The machine's dimensions generally measure around 2000mm in length, 800mm in width, and 1500mm in height, although these can vary depending on specific configurations and customer needs. These dimensions make the machine compact enough to fit into most production lines without requiring significant space adjustments, yet robust enough to handle substantial inspection workloads. Its streamlined design facilitates easy installation and maintenance, minimizing downtime and ensuring continuous operation.

Material compatibility is a critical aspect of the Online X-Ray Inspection Machine. It is suitable for inspecting various packaging materials, including plastic, glass, metal, and cardboard. This versatility makes it an ideal choice for industries such as electronics, food and beverage, pharmaceuticals, and consumer goods, where packaging integrity is paramount. The machine's capability to penetrate different materials and detect internal defects or foreign objects enhances overall product quality and consumer safety.

In addition to its mechanical and operational strengths, the Online X-Ray Inspection Machine features a user-friendly touchscreen control panel with a graphical user interface (GUI). This advanced interface simplifies machine operation, allowing operators to easily configure inspection parameters, monitor real-time data, and access diagnostic information. The intuitive GUI reduces training time and enhances operational efficiency, making the machine accessible to users with varying levels of technical expertise.

Moreover, this machine is part of a broader category of inspection solutions that include online SMT X-ray machines and PCB X-ray machines. While SMT (Surface-Mount Technology) and PCB (Printed Circuit Board) X-ray machines focus primarily on electronic components and assemblies, the Online X-Ray Inspection Machine extends its capabilities to a wider range of applications, including packaging and product inspection. This multifunctionality positions it as a versatile solution for manufacturers seeking to streamline quality control across different product lines.

The automatic X-ray machine operates with high-speed image acquisition and advanced image processing algorithms, ensuring rapid and accurate defect detection. This automation reduces the need for manual inspection, minimizes human error, and increases overall productivity. By integrating seamlessly into existing production lines, the machine supports continuous inspection without interrupting workflow, thus enhancing operational efficiency.

In summary, the Online X-Ray Inspection Machine combines adjustable conveyor speed, compact yet robust design, broad material compatibility, and an intuitive touchscreen interface to deliver superior inspection performance. Its applicability across various industries and packaging types, coupled with its advanced automation features, makes it a vital asset for manufacturers committed to maintaining the highest standards of quality and safety. Whether used as an online SMT X-ray machine, PCB X-ray machine, or a general automatic X-ray machine, it offers reliable, efficient, and precise inspection capabilities to meet the evolving demands of today's production environments.

Features:

- Product Name: Online X-Ray Inspection Machine
- High Resolution, Up To 0.1 Mm
- Tube Voltage Range: 90KV-130KV
- Adjustable Conveyor Speed, Typically Up To 60 M/min
- Compact Machine Dimensions, Typically Around 2000mm X 800mm X 1500mm
- Inspection Type: X-Ray
- Advanced X-ray inspection equipment for precise defect detection
- Specialized SMT X-ray machine suitable for surface mount technology inspection
- Reliable X-ray inspection equipment designed for online, real-time analysis

Technical Parameters:

Product Name	Online X-Ray Inspection Machine
Application	Non-destructive Testing And Quality Control
Inspection Type	X-Ray
Tube Voltage	90KV-130KV
User Interface	Touchscreen Control Panel With Graphical User Interface
Weight	Approximately 500-800 Kg
Conveyor Speed	Adjustable, Typically Up To 60 M/min
Detection Objects	Metal Contaminants, Foreign Objects, Product Integrity
Imaging Technology	Digital Flat Panel Detector Or Line Scan Detector
Safety Features	Lead Shielding, Interlock System, Radiation Protection Compliance

Applications:

The WisdomshowWi AXI-7600 is a cutting-edge online SMT X-ray machine designed to meet the rigorous demands of modern industrial inspection processes. Originating from Shenzhen, China, this automatic X-ray machine combines advanced technology with user-friendly operation, featuring a touchscreen control panel equipped with a graphical user interface. This design ensures operators can easily navigate and control the system, enhancing efficiency and accuracy during inspection tasks.

The AXI-7600 is ideal for a wide range of application occasions and scenarios within various industries. Its microfocus size ranging from 5 to 15 μm (with an option of 5 μm) allows for highly detailed imaging, making it perfect for inspecting complex SMT assemblies, detecting hidden defects, and verifying solder joint integrity in electronic manufacturing. This level of precision is essential for quality control in sectors such as consumer electronics, automotive electronics, aerospace components, and medical devices.

Thanks to its closed tube type design, the WisdomshowWi AXI-7600 industrial X-ray machine offers enhanced safety and reliability during continuous operation. With a power consumption typically between 1-3 KW, it balances energy efficiency with high performance, making it suitable for integration into production lines without excessive energy costs.

One of the key strengths of the AXI-7600 is its compatibility with various packaging materials including plastic, glass, metal, and cardboard. This versatility enables the machine to be utilized not only in electronics but also in other industries where non-destructive testing is critical, such as pharmaceutical packaging inspection, food safety verification, and automotive part examination. The ability to inspect different materials ensures that manufacturers can maintain stringent quality standards across diverse product lines.

In fast-paced manufacturing environments, the automatic X-ray machine's online inspection capability allows real-time monitoring and defect detection, reducing downtime and improving throughput. The WisdomshowWi AXI-7600 is therefore an indispensable tool for factories aiming to enhance product reliability, minimize recalls, and uphold regulatory compliance through advanced X-ray inspection technology.

Customization:

WisdomshowWi offers customized solutions for the AXI-7600, a state-of-the-art 3D X-ray inspection system designed to meet your industrial needs. Originating from Shenzhen, China, this SMT X-ray machine features advanced real-time image processing, defect detection, and comprehensive data logging software to ensure precise and efficient inspections.

The automatic Industrial X-ray machine AXI-7600 is equipped with safety features including lead shielding, an interlock system, and full compliance with radiation protection standards, guaranteeing a secure operating environment. With a tube voltage range of 90KV to 130KV and a microfocus size between 5-15 μm or 5 μm , this system delivers exceptional image clarity for detailed analysis.

We understand that each production line has unique requirements, which is why the AXI-7600 can be customized in terms of weight, ranging approximately from 500 to 800 Kg, to fit your specific installation needs. Trust WisdomshowWi to provide a tailored 3D X-ray inspection system that enhances your quality control processes with reliability and precision.

Support and Services:

Our Online X-Ray Inspection Machine is supported by a dedicated technical support team committed to ensuring optimal performance and reliability. We provide comprehensive installation guidance, user training, and routine maintenance services to maximize the efficiency of your inspection processes.

Technical support includes remote diagnostics, software updates, and troubleshooting assistance to quickly resolve any operational issues. Our experts are equipped to help you interpret inspection results and customize inspection parameters to meet your specific application requirements.

We also offer extended warranty options and preventive maintenance contracts to minimize downtime and extend the lifespan of your equipment. Our service team works closely with you to schedule regular inspections and calibrations, ensuring consistent accuracy and compliance with industry standards.

Additionally, spare parts and consumables for the Online X-Ray Inspection Machine are readily available to support uninterrupted operation. Our goal is to provide a seamless support experience that empowers your quality control processes with advanced inspection technology.

Packing and Shipping:

Product Packaging and Shipping

The Online X-Ray Inspection Machine is carefully packaged to ensure it arrives safely and in perfect working condition. Each unit is securely enclosed in a custom-designed wooden crate with foam padding to protect sensitive components from shocks and vibrations during transit.

Before packaging, the machine undergoes thorough testing and calibration to guarantee optimal performance upon delivery. All accessories, user manuals, and necessary cables are included and packed separately within the crate.

For shipping, we offer multiple options including air freight, sea freight, and express courier services, depending on the destination and customer requirements. The packaging complies with international shipping standards to prevent damage and facilitate smooth customs clearance.

Upon shipment, customers will receive a tracking number and estimated delivery date. Our logistics team ensures timely dispatch and provides support throughout the shipping process to ensure a seamless experience.

FAQ:

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

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

Q2: Where is the WisdomshowWi AXI-7600 manufactured?

A2: The WisdomshowWi AXI-7600 is manufactured in Shenzhen, China.

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

A3: The AXI-7600 can detect internal defects such as cracks, voids, misalignments, and solder joint issues in electronic components and assemblies.

Q4: Is the AXI-7600 suitable for online inspection in a production line?

A4: Yes, the AXI-7600 is designed specifically for online X-ray inspection, allowing real-time quality control during the manufacturing process.

Q5: What are the key features of the WisdomshowWi AXI-7600?

A5: Key features include high-resolution X-ray imaging, fast inspection speed, user-friendly interface, and robust construction for industrial environments.



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