



Digital Flat Panel Detector Online X-Ray Inspection Machine with Real-time Image Processing and High Resolution 0.1 mm

Our Product Introduction

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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
- User Interface: Touchscreen Control Panel With Graphical User Interface
- Microfocus Size: 5-15 μm /5 μm
- Software Features: Real-time Image Processing, Defect Detection, Data Logging
- Power Consumption: Typically 1-3 KW
- Detection Objects: Metal Contaminants, Foreign Objects, Product Integrity
- Application: Non-destructive Testing And Quality Control
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Highlight: **Digital Flat Panel Detector Online X-Ray Inspection Machine**



Product Description:

The Online X-Ray Inspection Machine is a state-of-the-art microfocus X-ray inspection system designed to meet the rigorous demands of modern industrial applications. This advanced industrial X-ray machine combines high precision, versatility, and efficiency to deliver exceptional inspection performance across a wide range of products and materials. Engineered for accuracy and speed, it offers a high resolution of up to 0.1 mm, enabling users to detect even the smallest defects with unparalleled clarity and detail. This makes it an ideal solution not only for traditional inspection tasks but also for specialized uses such as PCB X-ray machine operations where intricate internal structures must be examined thoroughly.

One of the standout features of the Online X-Ray Inspection Machine is its compatibility with various packaging materials. Whether the product is encased in plastic, glass, metal, or cardboard, this system is designed to handle it all seamlessly. This material versatility ensures that manufacturers across industries — from electronics and pharmaceuticals to food and automotive sectors — can rely on this machine to maintain stringent quality control standards. The ability to inspect diverse packaging types without compromising image quality or inspection speed significantly boosts operational flexibility and reduces the need for multiple specialized machines.

The machine's conveyor system is another highlight, offering adjustable speeds typically up to 60 meters per minute. This flexibility allows the Online X-Ray Inspection Machine to be integrated smoothly into existing production lines with varying throughput requirements. Whether the priority is high-speed inspection for mass production or slower, more detailed analysis, operators can fine-tune the conveyor speed to optimize both efficiency and inspection accuracy. This adaptability ensures that the system can meet the demands of fast-paced industrial environments without sacrificing reliability or performance.

In addition to its hardware capabilities, the Online X-Ray Inspection Machine is equipped with sophisticated software features that enhance its overall effectiveness. Real-time image processing allows for immediate visualization and analysis of X-ray images, enabling quick decision-making on the production floor. The integrated defect detection functionality automatically identifies and flags anomalies, reducing the risk of human error and improving overall product quality. Furthermore, comprehensive data logging capabilities facilitate traceability and quality assurance by maintaining detailed records of inspection results. This data can be invaluable for process optimization, regulatory compliance, and continuous improvement initiatives.

This Online X-Ray Inspection Machine represents a significant advancement in the field of industrial inspection technology. Its combination of microfocus X-ray precision, multi-material compatibility, high conveyor speed, and intelligent software solutions makes it a powerful tool for manufacturers seeking to elevate their quality control processes. Whether used as a standalone unit or integrated within a larger production system, it delivers consistent, reliable performance that helps minimize defects, reduce waste, and ensure the highest standards of product integrity. For industries requiring meticulous internal inspection, such as electronics manufacturing where a PCB X-ray machine is essential, this system provides the accuracy and efficiency needed to maintain competitive advantage.

In summary, the Online X-Ray Inspection Machine is a highly versatile and reliable industrial X-ray machine that excels in delivering high-resolution, real-time inspection across a variety of packaging materials and production speeds. Its advanced software capabilities further enhance its utility, making it an indispensable asset for quality assurance in diverse manufacturing environments. By investing in this cutting-edge microfocus X-ray inspection system, companies can achieve superior defect detection, streamline their inspection workflows, and uphold the highest standards of product quality.

Features:

- Product Name: Online X-Ray Inspection Machine
- High Resolution: Up to 0.1 mm for precise inspection
- Imaging Technology: Digital Flat Panel Detector or Line Scan Detector
- Inspection Type: X-Ray inspection solution for thorough analysis
- Software Features: Real-time Image Processing for immediate results
- Defect Detection to identify and classify anomalies accurately
- Data Logging for comprehensive record-keeping and traceability
- Advanced 3D X-ray inspection system capability for detailed internal imaging

Technical Parameters:

Weight	Approximately 500-800 Kg
Inspection type	X-Ray
Detection objects	Metal Contaminants, Foreign Objects, Product Integrity
Application	Non-destructive Testing And Quality Control (SMT X-ray machine, 3D X-ray inspection system)
Conveyor speed	Adjustable, Typically Up To 60 M/min
Safety features	Lead Shielding, Interlock System, Radiation Protection Compliance
Microfocus Size	5-15 µm / 5 µm
Operating voltage	220V/110V, 50/60Hz
Software features	Real-time Image Processing, Defect Detection, Data Logging
Resolution	High Resolution, Up To 0.1 Mm (SMT X-ray machine)

Applications:

The WisdomshowWi Online X-Ray Inspection Machine, model AXI-7600, is an advanced X-ray inspection solution designed to meet the rigorous demands of modern industrial environments. Originating from Shenzhen, China, this automatic Industrial X-ray machine is ideal for a wide range of application occasions and scenarios where precision, safety, and efficiency are paramount. Its robust construction, weighing approximately 500-800 Kg, ensures stability and reliability during continuous operation.

This Industrial X-ray machine is widely employed in manufacturing plants for quality control and assurance. It is particularly useful in electronics production lines, where real-time image processing and defect detection capabilities enable manufacturers to identify internal flaws such as solder joint defects, component misalignment, and cracks without damaging the products. The AXI-7600's software features, including real-time image processing, defect detection, and data logging, facilitate immediate analysis and traceability, making it an indispensable tool for industries requiring stringent quality standards.

The online X-ray inspection solution is also highly effective in the food and pharmaceutical industries, where it ensures product safety by detecting foreign objects and contaminants inside packaged goods. The automatic Industrial X-ray machine's lead shielding and interlock system provide comprehensive radiation protection compliance, safeguarding operators and the environment during inspection processes. This makes it suitable for use in sensitive environments such as clean rooms and laboratories.

In addition, the AXI-7600 is applicable in automotive and aerospace sectors for inspecting critical components like castings, welds, and composite materials. Its ability to perform non-destructive testing helps in maintaining high safety standards and preventing failures in end products. The machine's data logging feature also supports quality audits and regulatory compliance by maintaining detailed inspection records.

Overall, the WisdomshowWi Online X-Ray Inspection Machine offers a versatile and reliable X-ray inspection solution for diverse industrial scenarios. Whether integrated into a production line for continuous inspection or used as a standalone device for detailed analysis, the AXI-7600 delivers exceptional performance, safety, and accuracy, making it a top choice for industries seeking state-of-the-art inspection technology.

Customization:

The WisdomshowWi Online X-Ray Inspection Machine, model AXI-7600, is an advanced automatic Industrial X-ray machine designed to meet diverse inspection needs. Originating from Shenzhen, China, this automatic X-ray machine is compatible with various packaging materials including plastic, glass, metal, and cardboard, ensuring versatile application across industries.

Featuring a high resolution of up to 0.1 mm, the SMT X-ray machine delivers precise and reliable imaging for quality control and defect detection. Operating at a voltage of 220V/110V with 50/60Hz frequency, it offers flexible power options suitable for different environments. The machine dimensions typically measure around 2000mm x 800mm x 1500mm, making it adaptable for integration into existing production lines. WisdomshowWi provides product customization services to tailor the Online X-Ray Inspection Machine to your specific requirements, ensuring optimal performance and efficiency for your industrial inspection processes.

Support and Services:

Our Online X-Ray Inspection Machine is designed to provide precise, real-time inspection solutions for a variety of industries. To ensure optimal performance and reliability, we offer comprehensive technical support and services tailored to your needs.

Technical Support:

Our team of experienced engineers and technicians are available to assist with installation, calibration, troubleshooting, and maintenance of your X-Ray Inspection Machine. We provide remote diagnostics and on-site support to minimize downtime and optimize operational efficiency.

Software Updates:

Regular software updates are provided to enhance machine performance, introduce new features, and improve security. Our support team will guide you through the update process to ensure seamless integration with your existing systems.

Training Services:

We offer customized training programs for operators and maintenance personnel to maximize the capabilities of your inspection system. Training can be conducted on-site or remotely, covering machine operation, safety protocols, and basic troubleshooting.

Preventive Maintenance:

Scheduled preventive maintenance services are available to keep your machine running smoothly and to extend its operational lifespan. Our technicians will perform thorough inspections, cleaning, and part replacements as needed.

Spare Parts and Upgrades:

We supply genuine spare parts and offer upgrade options to ensure your X-Ray Inspection Machine remains up-to-date with the latest technology and industry standards.

Customer Satisfaction:

Our commitment is to provide reliable, efficient, and high-quality support services that meet the unique requirements of your business. We strive to build long-term partnerships by delivering exceptional service and technical expertise.

Packing and Shipping:

Product Packaging and Shipping for Online X-Ray Inspection Machine

The Online X-Ray Inspection Machine is carefully packaged to ensure safe delivery and optimal protection during transportation. Each unit is securely placed in a custom-designed wooden crate with internal foam padding to prevent any movement or damage. The packaging materials are selected to withstand shocks, vibrations, and humidity.

Before packaging, the machine undergoes thorough quality checks and is cleaned to ensure it arrives in pristine condition. All detachable components are separately packed and clearly labeled for easy assembly upon receipt.

For shipping, we offer multiple options including air freight, sea freight, and express courier depending on customer requirements and destination. The shipment is fully insured and tracked to provide real-time updates on delivery status.

Upon arrival, customers are advised to inspect the packaging for any visible damage and report any issues immediately. Detailed user manuals and support documentation are included to assist with installation and operation of the Online X-Ray Inspection Machine.

FAQ:

Q1: What is the brand name 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 manufactured?

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

Q3: What are the primary applications of the AXI-7600 Online X-Ray Inspection Machine?

A3: The AXI-7600 is widely used for non-destructive inspection in electronics, automotive, aerospace, and manufacturing industries to

detect internal defects and ensure product quality.

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

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

Q5: What kind of user interface does the WisdomshowWi AXI-7600 offer?

A5: The AXI-7600 features an advanced, user-friendly interface with customizable settings and high-resolution imaging for easy operation and accurate defect analysis.



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