



## Online X-Ray Inspection Machine with 90KV-130KV Tube Voltage and 5 $\mu$ m Microfocus Size for High Precision Defect Detection

Our Product Introduction

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### Basic Information

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



### Product Specification

- Operating Voltage: 220V/110V, 50/60Hz
- Power Consumption: Typically 1-3 KW
- Material Compatibility: Suitable For Various Packaging Materials Including Plastic, Glass, Metal, And Cardboard
- Detection Objects: Metal Contaminants, Foreign Objects, Product Integrity
- Product Name: Online X-Ray Inspection Machine
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Inspection Type: X-Ray
- Weight: Approximately 500-800 Kg
- Highlight: **90KV-130KV Tube Voltage X-Ray Inspection System**  
**5  $\mu$ m Microfocus Size X-Ray Machine**

**Product Description:**

The Online X-Ray Inspection Machine is an advanced inspection solution designed to meet the demanding needs of modern manufacturing and quality control processes. This cutting-edge system offers precise and reliable inspection capabilities, making it an ideal choice for industries requiring meticulous examination of complex assemblies. Equipped with a microfocus X-ray inspection system, it provides exceptional image resolution and accuracy, enabling users to detect even the smallest defects within solder joints and other critical components.

One of the standout features of the Online X-Ray Inspection Machine is its adjustable tube voltage, ranging from 90KV to 130KV. This flexibility allows the system to penetrate various materials and thicknesses effectively, ensuring comprehensive inspection without compromising image quality. The microfocus technology further enhances the machine's ability to deliver sharp, high-resolution images, which are essential for detailed solder joint analysis and other intricate inspections.

The machine operates on a standard voltage of 220V or 110V with a frequency of 50/60Hz, making it compatible with a wide range of electrical environments worldwide. Despite its powerful capabilities, the system maintains a low power consumption, typically between 1 to 3 KW, which contributes to cost-effective operation and reduces the overall energy footprint of your inspection processes.

Beyond its hardware excellence, the Online X-Ray Inspection Machine is equipped with sophisticated software features that significantly enhance its usability and inspection accuracy. The real-time image processing capability allows operators to view and analyze X-ray images instantly, facilitating quicker decision-making and reducing inspection cycle times. This real-time feedback is crucial for maintaining high production throughput without sacrificing quality.

The integrated defect detection software is another critical component of this X-ray solder joint inspection system. It automatically identifies and flags potential defects such as voids, cracks, misalignments, and other anomalies that could compromise the integrity of solder joints or assemblies. This automated detection reduces human error and ensures consistent inspection standards across all inspected items.

In addition, the Online X-Ray Inspection Machine includes comprehensive data logging functionality. Every inspection event, along with corresponding images and defect reports, is systematically recorded. This feature supports traceability, quality control audits, and process improvement initiatives by providing detailed historical data that can be reviewed and analyzed over time.

Overall, the Online X-Ray Inspection Machine represents a robust and versatile X-ray inspection solution tailored for industries requiring meticulous quality assurance. Its combination of a microfocus X-ray inspection system, adjustable tube voltage, low power consumption, and powerful software features makes it an indispensable tool for modern manufacturing environments. Whether used for solder joint inspection or broader defect detection tasks, this system ensures high reliability, accuracy, and efficiency, helping manufacturers maintain the highest standards in product quality and safety.

**Features:**

- Product Name: Online X-Ray Inspection Machine
- Imaging Technology: Digital Flat Panel Detector or Line Scan Detector
- Safety Features: Lead Shielding, Interlock System, Radiation Protection Compliance
- Software Features: Real-time Image Processing, Defect Detection, Data Logging
- Microfocus Size: 5-15 µm / 5 µm
- Resolution: High Resolution, Up to 0.1 mm
- Ideal for use as an online SMT X-ray machine
- Suitable for PCB X-ray machine applications
- Equipped as a Real-time X-ray machine for immediate inspection results

**Technical Parameters:**

Product Name	Online X-Ray Inspection Machine
Application	Non-destructive Testing And Quality Control
Inspection Type	X-Ray
Conveyor Speed	Adjustable, Typically Up To 60 M/min
Microfocus Size	5-15 µm / 5 µm
Tube Type	Closed
Tube Voltage	90KV-130KV
User Interface	Touchscreen Control Panel With Graphical User Interface
Safety Features	Lead Shielding, Interlock System, Radiation Protection Compliance
Operating Voltage	220V/110V, 50/60Hz

**Applications:**

The WisdomshowWi AXI-7600 is a state-of-the-art automatic industrial X-ray machine designed to provide reliable and efficient non-destructive testing and quality control across a wide range of industries. Originating from Shenzhen, China, this advanced X-ray inspection equipment is engineered to accommodate various packaging materials including plastic, glass, metal, and cardboard, making it an incredibly versatile solution for modern production lines.

This X-ray inspection solution is ideal for application occasions where precision and speed are paramount. The AXI-7600's adjustable conveyor speed, capable of reaching up to 60 meters per minute, allows it to seamlessly integrate into high-throughput manufacturing environments. Whether in the pharmaceutical, food and beverage, electronics, or automotive sectors, this machine ensures that products meet stringent quality standards without interrupting production flow.

In scenarios where real-time image processing is critical, the WisdomshowWi AXI-7600 excels by offering advanced defect detection capabilities. It can identify contaminants, structural anomalies, and packaging inconsistencies quickly and accurately. The built-in data logging feature further enhances quality control by maintaining detailed inspection records, which is essential for traceability and compliance with industry regulations.

Thanks to its robust design, weighing approximately 500-800 kilograms, the AXI-7600 provides stable and consistent performance even in demanding industrial settings. It is particularly suited for factories that require continuous monitoring of product integrity without resorting to destructive testing methods. This X-ray inspection equipment is also beneficial in research and development labs where material compatibility testing is conducted.

Overall, the WisdomshowWi AXI-7600 automatic industrial X-ray machine is a comprehensive X-ray inspection solution tailored for diverse application occasions and scenarios. From ensuring the safety of consumables to verifying the integrity of electronic components, it offers manufacturers a dependable tool to uphold quality standards and optimize production efficiency.

## Customization:

The WisdomshowWi AXI-7600 is a state-of-the-art SMT X-ray machine designed for precision and reliability in non-destructive testing and quality control. Originating from Shenzhen, China, this advanced X-ray NDT equipment offers a high-resolution capability of up to 0.1 mm, ensuring detailed inspection results for your production needs.

With a microfocus size ranging from 5 to 15  $\mu\text{m}$ , the AXI-7600 delivers exceptional imaging clarity, making it an ideal choice for complex inspection tasks. The machine's dimensions typically measure around 2000mm x 800mm x 1500mm, and it weighs approximately 500-800 kg, providing a robust and stable platform for accurate 3D X-ray inspection system operations.

Customization services for the AXI-7600 allow you to tailor the SMT X-ray machine to your specific application requirements, whether for enhanced resolution, size adjustments, or specialized software integrations. Trust the WisdomshowWi AXI-7600 to elevate your quality control processes with cutting-edge technology and reliable performance.

## Support and Services:

Our Online X-Ray Inspection Machine is designed to provide high-precision, non-destructive testing solutions for a wide range of industrial applications. To ensure optimal performance and longevity of your equipment, we offer comprehensive technical support and services.

Technical Support includes installation guidance, operation training, routine maintenance advice, and troubleshooting assistance. Our team of experts is dedicated to helping you maximize the efficiency and accuracy of your inspection processes.

We provide regular software updates to enhance system capabilities and incorporate the latest advancements in X-ray imaging technology. Additionally, our remote diagnostic services enable quick identification and resolution of technical issues, minimizing downtime.

Preventive maintenance programs are available to keep your machine operating at peak performance. These programs include scheduled inspections, calibration services, and replacement of worn components.

For any service needs, our skilled technicians are available to perform on-site repairs and upgrades. We strive to deliver timely and effective solutions to meet your operational requirements.

By choosing our Online X-Ray Inspection Machine, you benefit from dedicated support designed to ensure reliable operation and superior inspection results throughout the product lifecycle.

## Packing and Shipping:

### Product Packaging and Shipping

The Online X-Ray Inspection Machine is carefully packaged to ensure safe delivery and optimal protection during transit. Each unit is securely packed in a custom-designed wooden crate with foam cushioning to prevent any damage from shocks or vibrations. All sensitive components are wrapped in anti-static materials to protect against electrostatic discharge.

Before packaging, the machine undergoes thorough quality checks and is powered down safely. Accessories, manuals, and necessary cables are packed separately within the crate to avoid any damage.

For shipping, we offer multiple options including air freight, sea freight, and express courier services depending on the destination and customer requirements. The shipment is insured and tracked to ensure timely and secure delivery.

Upon arrival, customers are advised to inspect the packaging for any signs of damage and report immediately if any issues are found. Our customer service team is available to assist with installation guidance and after-sales support.

## FAQ:

### Q1: What is the brand and model 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 produced?

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

### Q3: What industries is the AXI-7600 suitable for?

A3: The AXI-7600 is ideal for electronics manufacturing, automotive parts inspection, aerospace components, and other industries requiring precise internal quality inspection.

### Q4: What are the key features of the WisdomshowWi AXI-7600?

A4: Key features include high-resolution X-ray imaging, real-time defect detection, automated inspection capabilities, and user-friendly software for easy operation.

### Q5: Can the AXI-7600 be integrated into existing production lines?

A5: Yes, the AXI-7600 is designed for seamless integration into automated production lines to enhance quality control processes.



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