5μm Focal Spot Size Offline X-Ray Inspection Machine with 27 Inch HD Monitor and 39W Max Power for Industrial X-Ray Inspection System

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Model Number: S9200B



Product Specification

- Focal Spot Size: 5μm / 10μm /15μm (optional)
- Monitor: 27 Inch HD
- Detector: IRAY A-Si Flat Panel, 130mm×130mm
- X-ray Source: Closed Micro-focus, 0-130KV
- Current: 0-300μA
- Max Power: 39W
- Highlight: **5μm Focal Spot Offline X-Ray Inspection Machine** , **27 Inch HD Monitor Industrial X-Ray Inspection System** , **39W Max Power X-Ray Inspection Equipment**



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Product Description

Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art device designed for precise and reliable non-destructive testing in various industrial applications. Equipped with advanced technology, this machine ensures high-quality imaging and detailed inspection capabilities, making it an essential tool in quality control, research, and development processes. The machine is engineered to meet the demanding requirements of modern industries, offering superior performance and versatility.

At the heart of this Offline X-Ray Inspection Machine lies a powerful Industrial X Ray Tube, featuring a closed micro-focus design that operates within a voltage range of 0 to 130KV. This closed micro-focus Industrial X Ray Tube provides exceptional stability and enhances the safety of the operation by minimizing X-ray leakage. The micro-focus capability ensures that users can achieve highly detailed and sharp images, critical for detecting minute defects and structural inconsistencies in a wide range of materials and components.

The machine boasts a maximum power output of 39W, striking an optimal balance between energy efficiency and imaging power. This power capability allows the device to penetrate various materials effectively, from metals to composites, ensuring accurate inspection results across diverse industrial sectors. The current ranges from 0 to 300μA, providing precise control over the X-ray beam intensity, which is crucial for customizing the inspection process according to specific material properties and thicknesses.

One of the standout features of this Offline X-Ray Inspection Machine is its selectable focal spot size, available in 5μm, 10μm, and 15μm options. This flexibility in focal spot size enables users to tailor the imaging resolution to their particular inspection needs. A smaller focal spot size such as 5μm allows for ultra-high-resolution imaging, ideal for applications requiring meticulous detail, while the larger sizes offer faster scanning options for broader inspections without compromising image clarity.

The machine is equipped with a large 27-inch HD monitor that provides a vivid and clear display of the X-ray images in real time. This high-definition monitor enhances the user experience by allowing detailed analysis and immediate interpretation of the inspection results. The monitor's size and resolution facilitate easier identification of defects, cracks, or inclusions, thereby improving diagnostic accuracy and speeding up the decision-making process.

Designed with user convenience and safety in mind, the Offline X-Ray Inspection Machine incorporates advanced shielding and safety mechanisms to protect operators from radiation exposure. The closed micro-focus Industrial X Ray Tube, combined with these safety features, ensures compliance with industry safety standards, making it a reliable and secure choice for industrial environments.

In summary, the Offline X-Ray Inspection Machine is a robust and versatile industrial tool that leverages cutting-edge Industrial X Ray Tube technology to deliver precise, high-resolution imaging. Its powerful yet efficient 39W maximum power, variable focal spot sizes, and extensive current range make it adaptable to a wide array of inspection tasks. The inclusion of a 27-inch HD monitor further enhances its usability and inspection accuracy. This machine is an indispensable asset for industries seeking reliable, high-quality X-ray inspection solutions.

Features:

Product Name: Offline X-Ray Inspection Machine

Focal Spot Size Options: 5μm, 10μm, 15μm

X-ray Source: Closed Micro-focus, 0-130KV

Current Range: 0-300μA

Monitor: 27 Inch HD Display

Maximum Power Consumption: 39W

Designed as an Electronics X Ray Machine for precise inspection

Suitable for SMT X Ray Machine applications in surface mount technology

Equipped with Industrial X Ray Tube for reliable and consistent performance

Technical Parameters:

Detector	IRAY A-Si Flat Panel, 130mm*130mm
Monitor	27 Inch HD
Max Power	39W
X-ray Source	Closed Micro-focus, 0-130KV
Current	0-300μA
Focal Spot Size	5μm / 10μm / 15μm (optional)

Applications:

The Wisdomshow S9200B Offline X-Ray Inspection Machine is a highly versatile and advanced Industrial X Ray Machine designed to meet the rigorous demands of modern manufacturing and quality control processes. Equipped with a powerful 39W max power source and a high-resolution 27 Inch HD monitor, this machine provides clear and precise imaging essential for detailed inspection tasks. Its adjustable current range of 0-300μA allows for optimal penetration and image clarity across a variety of materials, making it an indispensable tool in multiple industrial scenarios.

This SMT X Ray Machine is specifically engineered for the inspection of surface-mount technology (SMT) components on printed circuit boards (PCBs). It excels in detecting hidden defects such as solder joint quality, bridging, voids, and misalignments that are not visible through conventional optical inspection methods. The IRAY A-Si Flat Panel detector, measuring 130mm*130mm, ensures high sensitivity and excellent image quality, facilitating accurate analysis of complex SMT assemblies.

The Wisdomshow S9200B is also an ideal BGA X Ray Inspection Machine, capable of performing detailed inspection of Ball Grid Array (BGA) packages. Its optional focal spot sizes of 5μm, 10μm, and 15μm allow users to tailor the resolution according to the specific

inspection requirements, providing unparalleled detail in BGA solder joint evaluation. This feature is crucial in identifying issues such as solder voids, cracks, and misalignments that can compromise device performance.
Typical application occasions for this machine include electronics manufacturing plants, quality assurance laboratories, research and development centers, and repair facilities. It is widely used during the production line inspection, failure analysis, and product certification processes. The offline capability of the S9200B model offers flexibility for batch inspection and detailed analysis without interrupting the main production workflow.
In summary, the Wisdomshow S9200B Offline X-Ray Inspection Machine stands out as a reliable and precise Industrial X Ray Machine, SMT X Ray Machine, and BGA X Ray Inspection Machine. Its combination of advanced imaging technology, flexible focal spot options, and user-friendly interface makes it an essential asset for ensuring product quality and reducing defect rates in high-tech manufacturing environments.

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