2.0 KW Offline X-Ray Inspection Machine with 5μm Focal Spot Size and 520 × 445 Mm Max Inspection Area for Electronics X-Ray Machine Semiconductor Inspection

Our Product Introduction

Basic Information

- Brand Name: Wisdomshow
- Model Number: S7200



Product Specification

- Loading Area: 520 × 520 Mm
- Focal Spot Size: 5μm
- Machine Weight: Approx. 1250 Kg
- Dimensions: L1300 × W1320 × H1800 Mm
- Max Sample Weight: ≤10 Kg
- Max Inspection Area: 520 × 445 Mm
- Total Power: 2.0 KW
- Power Supply: 220V / 50Hz
- Highlight: **2.0 KW Offline X-Ray Inspection Machine**, **5μm Focal Spot Size Electronics X-Ray Machine** , **520 × 445 Mm Max Inspection Area Offline X-Ray Inspection Machine**



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Product Description

Product Description:

The Offline X-Ray Inspection Machine is a state-of-the-art piece of equipment designed to meet the rigorous demands of modern electronics manufacturing and quality control processes. Specially engineered as an Electronics X Ray Machine, this device offers unparalleled precision and reliability, making it an essential tool for any facility focused on maintaining the highest standards in product inspection. Whether you are working with complex circuit boards or delicate electronic components, this machine provides the comprehensive inspection capabilities necessary to detect defects and ensure product integrity.

One of the standout features of this Offline X-Ray Inspection Machine is its powerful total power rating of 2.0 KW, which enables it to perform high-resolution imaging and detailed analysis efficiently. This power capacity ensures consistent performance during prolonged usage, making it ideal for intensive inspection tasks in busy production environments. The robust power system supports advanced imaging technology that can penetrate through various materials, revealing hidden flaws that are invisible to traditional visual inspection methods.

In terms of physical specifications, the machine boasts a compact yet substantial design with dimensions of L1300 * W1320 * H1800 mm. Despite its relatively moderate footprint, it provides a spacious loading area measuring 520 * 520 mm, accommodating a wide range of sample sizes. This generous loading area is particularly beneficial for inspecting larger or more complex assemblies without compromising the quality of the imaging. With a machine weight of approximately 1250 kg, the system ensures stability during operation, minimizing vibrations and movements that could affect image clarity.

The Offline X-Ray Inspection Machine is also designed to handle samples with a maximum weight of up to 10 kg. This capacity covers most electronic components and assemblies, including heavy circuit boards and BGA packages, which are critical in modern electronics manufacturing. The ability to inspect heavier samples without sacrificing image quality or machine performance makes this tool highly versatile and adaptable to various inspection requirements.

As an integral part of the suite of Inspection Tools, this machine excels in providing detailed internal views of electronic components, solder joints, and hidden structures. It is particularly effective for BGA X Ray Inspection Machine applications, where the intricate and densely packed solder balls beneath Ball Grid Arrays require precise and non-destructive examination. The advanced imaging capabilities allow inspectors to identify issues such as voids, misalignments, and solder defects that could compromise the functionality and reliability of electronic devices.

The design philosophy behind this Offline X-Ray Inspection Machine emphasizes user-friendliness and operational efficiency. Its interface and controls are intuitive, allowing operators to quickly set up inspections and adjust parameters as needed. This ease of use reduces training time and enhances productivity, enabling inspection teams to focus on quality assurance without being hindered by complicated machinery. Furthermore, its offline nature means it can be integrated seamlessly into existing production lines or quality control labs without requiring constant network connectivity.

In summary, the Offline X-Ray Inspection Machine is a powerful, precise, and reliable Electronics X Ray Machine that serves as a critical Inspection Tool in the electronics industry. With its robust 2.0 KW power, compact yet spacious design, and capability to handle samples up to 10 kg, it is ideally suited for detailed inspection tasks, including specialized BGA X Ray Inspection Machine applications. This machine not only enhances inspection accuracy but also contributes significantly to improving product quality and reducing manufacturing defects, making it an invaluable asset for any electronics production or testing facility.

Features:

Product Name: Offline X-Ray Inspection Machine
Total Power: 2.0 KW
Focal Spot Size: 5μm for high precision imaging
Power Supply: 220V / 50Hz
Loading Area: 520 * 520 mm
Max Inspection Area: 520 * 445 mm
Advanced Inspection Tools suitable for detailed analysis
Specialized BGA X Ray Inspection Machine capabilities
Reliable Electronics X Ray Machine for various applications

Technical Parameters:

Power Supply	220V / 50Hz
Max Inspection Area	520 * 445 Mm
Machine Weight	Approx. 1250 Kg
Dimensions (L * W * H)	1300 * 1320 * 1800 Mm
Loading Area	520 * 520 Mm
Focal Spot Size	5μm
Max Sample Weight	≤10 Kg
Total Power	2.0 KW

Applications:

The Wisdomshow S7200 Offline X-Ray Inspection Machine is an advanced and reliable solution designed to meet the demanding needs

of various industries. With its compact dimensions of L1300 * W1320 * H1800 mm, this machine is ideal for environments where space efficiency is crucial. Its robust construction, weighing approximately 1250 kg, ensures stability and durability during intensive inspection tasks. Equipped with a powerful Industrial X Ray Tube, the device delivers high-resolution imaging for precise defect detection and quality control.

This Electronics X Ray Machine is widely applied in manufacturing plants, quality assurance departments, and research laboratories. It plays a vital role in inspecting electronic components, circuit boards, and semiconductor devices, where internal defects such as solder joint faults, cracks, or foreign particles must be identified without damaging the sample. With a maximum inspection area of 520 * 445 mm and the capacity to handle samples weighing up to 10 kg, the S7200 offers versatility to accommodate a broad range of products and materials.

In addition to electronics manufacturing, the Wisdomshow S7200 is an essential tool in aerospace, automotive, and medical device industries. It assists in non-destructive testing (NDT) applications, ensuring the integrity and safety of critical parts. The machine's offline operation feature allows for thorough inspections without interrupting production lines, making it an efficient Inspection Tool for batch testing and failure analysis.

Powered by a standard 220V / 50Hz supply, the machine is easy to integrate into existing facility infrastructures. Its user-friendly interface and precise imaging capabilities enable technicians and engineers to perform detailed analyses with confidence. Whether used for routine quality checks, research and development, or troubleshooting, the Wisdomshow S7200 Electronics X Ray Machine stands out as an indispensable asset for any organization aiming to enhance product reliability and safety through advanced inspection technology.

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