



XB7300

Digital Battery X-Ray Inspection Machine

This device is suitable for online and fully automatic detection of digital soft bag batteries. The Tray tray palletizing and loading docking can achieve automatic battery retrieval and testing. It can also automatically sort NG products, remove OK products, and stack and unload plastic boxes.

Product Features

Multifunctional Fully Automatic Detection:

Tray palletizing, loading and unloading docking, multifunctional automatic inspection and judgment, and automatic sorting of defective products.

Real Time Monitoring:

All actions, signals and hardware status of the equipment are monitored in real time to facilitate product quality data analysis and safety production control.

Safety and Environmental Protection:

The device has safety interlocking and multiple protection functions, and any component on the surface of the body meets national safety radiation standards.

Easy to Operate:

The software interface is user-friendly, with one click model replacement and troubleshooting, and configured with permission management functions, making it easy to get started and improving work efficiency.

Image and Detection Data:

The battery test images and test data are saved together and can be displayed together in the software interface for easy viewing and analysis.

Device Functions

- Automatic code scanning, MES interaction, and data upload;
- Automatic loading, unloading, and NG sorting;
- IV, OCV, thickness, size, and corner position Overhang (positive and negative pole range) detection.

Operational Applications



Technical Parameter

Size	8500mm*3200mm*2800mm
Beat	≥30PPM and above (2 or 4 corners)
Excellence Rate	≥99.5%
Equipment Failure Rate (DT)	≤2%
Overkill Rate	≤1%
Missed Kill Rate	≤0%
Voltage Testing Accuracy	±(0.0035 % rdg.+0.0005 % fs)
Internal Resistance Testing Accuracy	±(0.5 % rdg.+0.10mΩ)
Radiation Safety Standards	≤1μSV/hr
Incoming Method	Tray palletizing, loading and unloading
Thickness Measurement	Measurement accuracy ± 0.02mm
Receiver	Flat Panel Detector
Photo Time	≥0.7S

X-Ray Tube Parameters

Tube Voltage Range	40-90KV/40-130KV
Tube Current Range	10-200uA/10-300uA

Inspection Efficiency and Accuracy Parameters

Inspection Accuracy	15μm
Repetitive Testing Accuracy	±30μm

Other Parameters

Type Change Time	The replacement time for old varieties is ≤ 2 hours per person; The replacement time for new varieties is ≤ 4 hours per person.
Compatible Ranges	Mini: Length: 40~160mm; Width: 35~120mm; Thickness: 5-15 mm Normal length:40 ~ 160mm; Width:35 ~ 120mm; Thickness: 5 ~ 15 m m (or customize all models on the market)
Detection Content	IV, OCV, thickness, size, angle position Overhang (positive and negative pole range)

Applications

