



# XB5200

## Semi-Auto Stacking Battery X-Ray Inspection Machine

This equipment is suitable for the detection of stacked (blade) process type batteries in the lithium battery industry, and for conducting practical analysis of the product's positive and negative pole difference or aluminum shell pole ear shape; Equipped with strong compatibility and fully functional measurement software, it can automatically measure and judge the tested object, and display the judgment result interface, allowing users to easily identify defective products.

### Product Features

#### CNC Function:

Memory programming, automatic recording and inspection of motion paths, accurate positioning, convenient for small batch repeated detection; Equipped with in-situ retesting function, supporting multiple image formats.

#### 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.

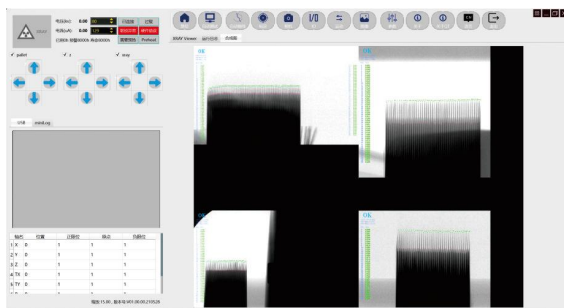
#### Easy to Operate:

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:

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

### Operational Applications



### X-Ray Tube Parameters

|                      |  |
|----------------------|--|
| Tube Type            | Reflective Sealed Micro-Focus X-Ray Tube |
| Tube Voltage Range   | 40-90KV/40-130KV                         |
| Tube Current Range   | 10-200uA/10-300uA                        |
| Maximum Output Power | 8W-39W                                   |
| Micro Focus Size     | 5-15μm                                   |

### Flat Panel Detector Parameters

|                        |  |
|------------------------|--|
| Detector Type          | Amorphous Silicon Plate Detector (optional)<br>Linear Array Detector TDI |
| Pixel Matrix           | 1536 × 1536  |
| Field of View Range    | 130mm × 130mm  |
| Resolution             | 5.8Lp/mm   |
| Image Frame Rate (1x1) | 20fps  |
| AD Conversion Digits   | 16bits   |

### Inspection Efficiency and Accuracy Parameters

|                             |       |
|-----------------------------|-------|
| Inspection Accuracy         | 15μm  |
| Repetitive Testing Accuracy | ±30μm |

### Stage Parameters

|                     |             |
|---------------------|-------------|
| Maximum Sample Size | 900mmX300mm |
| Load Capacity       | ≤10Kg       |

### Other Parameters

|  |                                    |
|--|------------------------------------|
| Control System                           | Industrial Computer Win10 (64 bit) |
| International Radiation Safety Standards | ≤1μSV/hr                           |
| Size                                     | 1910*1450*1900mm                   |
| Weight                                   | About 1800Kg                       |
| Power Supply                             | AC220V 10A、50-60Hz                 |

## Applications

