

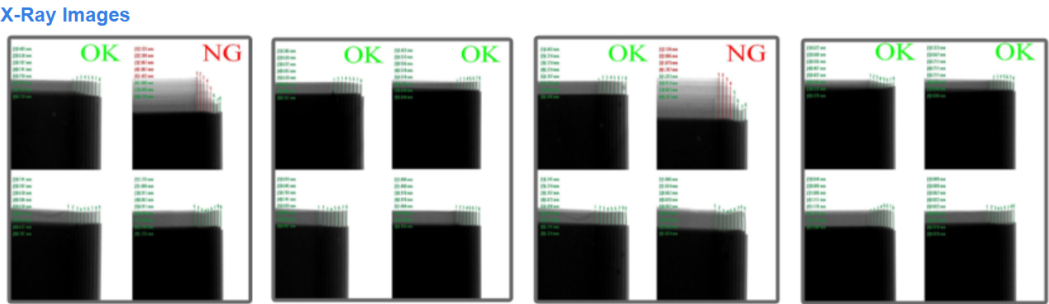


The in-line lithium polymer battery X-ray detection equipment has a 100KV X-ray tube and a high-resolution imaging detector. It offers high productivity with 60PPM and detection accuracy of  $\pm 0.06$  mm (continuous updating). The modular design provides good expandability, with automatic battery charging and discharging. Performs automatic classification of qualified/NG products, allowing unattended operation. Collects and analyzes data with SPC chart, monitoring and analyzing in real time the stability and reliability of product quality.

## Functions and Feature

- In-line polymer Li-Ion battery X-Ray detection equipment.
- 100KV X-Ray tube, high resolution image detector.
- High productivity with 60PPM,  $\pm 0.06$  mm detecting accuracy. (Continuous upgrading)
- Modular design with good expansibility, Automatic battery loading and unloading.
- Automatic sorting qualified/NG product, with unattended operation.
- Data collection and analysis with SPC chart, real-time monitoring & analysis for product quality stability an

## Inspection Image



## Parameter

|                    |                                                                                             |                      |
|--------------------|---------------------------------------------------------------------------------------------|----------------------|
| System Parameters  | Dimension (L×W×H)                                                                           | 5700mmX2500mmX1800mm |
|                    | Weight                                                                                      | 3.5t                 |
|                    | Working Environment                                                                         | 0 ~ 40℃              |
|                    | Power                                                                                       | 2.5KW                |
|                    | Accuracy                                                                                    | ±60μm                |
|                    | Operating Mode                                                                              | In-line              |
| X-ray Tube         | Type                                                                                        | Closed               |
|                    | Max.Voltage                                                                                 | 100kv                |
|                    | Max.Current                                                                                 | 0.2mA                |
|                    | Focal Spot Size                                                                             | 5um                  |
|                    | Quantity                                                                                    | 2                    |
| Image Detector     | Type                                                                                        | Image Intensifier    |
|                    | Resolution                                                                                  | 110 Lp/cm            |
|                    | Size                                                                                        | 4"                   |
|                    | Quantity                                                                                    | 2                    |
| Applied to         | Polymer Lithium Battery                                                                     |                      |
| Max.Capacity       | 30ppm(2-poin Pattern)/15ppm(4-point)                                                        |                      |
| Operation Ratio    | ≥95%                                                                                        |                      |
| Applicable Size    | Width:35-120                                                                                |                      |
|                    | Length:50-190                                                                               |                      |
|                    | Thickness:2-12                                                                              |                      |
|                    | Total length:70-210                                                                         |                      |
| Items              | Alignment Metric                                                                            |                      |
| Customer Cases     | Highpower/EBTEB/Bike                                                                        |                      |
| Equipment Features | *100KV closed X-ray tube, high -resolution intensifier ;                                    |                      |
|                    | *High speed, high stability ;                                                               |                      |
|                    | *Modular design with high expansibility, customized automatic battery loading and unloading |                      |
|                    | *Automatic docking with production lines, unattended operation;                             |                      |
|                    | *Unicomp-owned R&D of in-line lithium battery inspection software system                    |                      |

## Footprint

