

Lithium-Ion Battery In-Line X-Ray Inspection System

This in-line X-ray inspection system detects defects in prismatic lithium-ion batteries. The system offers high-resolution imaging and automated defect recognition to ensure quality control.



Product Overview

In-Line X-Ray Inspection for Lithium-Ion Batteries

The LX-1Y60-110 is an advanced in-line X-ray inspection system engineered for high-precision quality control in prismatic lithium-ion battery manufacturing. It features automated handling and high-resolution imaging capabilities to detect internal defects, including electrode misalignment and foreign material contamination. Designed for safety and reliability, this system ensures consistent performance and streamlined integration into automated production lines.

Physical Specifications

Overall Dimensions	W2900 x D1620 x H1760 mm
--------------------	--------------------------

Power and Electrical

Power Rating

7 KW

Power Consumption

Operating Voltage	380 V
-------------------	-------

X-Ray Imaging System

Tube Type	Closed
Max Tube Voltage	100 KV
Max Tube Current	200 uA
Focal Spot Size	5 mm

Image Detection

Image Detector Size	4 inch
Resolution	110 Lp/cm

Safety Compliance

Radiation Safety Rating	<1uSv/h
Safety Features	Shielded Enclosure, Radiation Safe