

# AXI-100 X-ray Inspection System



## Automated X-ray Chip Inspection System

### Introduction

The AXI series is designed to provide high resolution x-ray imaging primarily for the electronics industry. This versatile system is effective for many applications within the PCB manufacturing process. This includes BGA, CSP, QFN, Flip Chip, COB and the wide range of SMT components. The AXI-100/200 is a powerful support tool for process development, process monitoring and refinement of the rework operation. Supported by a powerful and easy to use software interface, the AXI Series is capable of addressing small and large volume factory requirements.  
(Contact us for details)

### Features

- **100KV 5µm X-ray tube, image intensifier with 2 mega pixels CCD camera.**

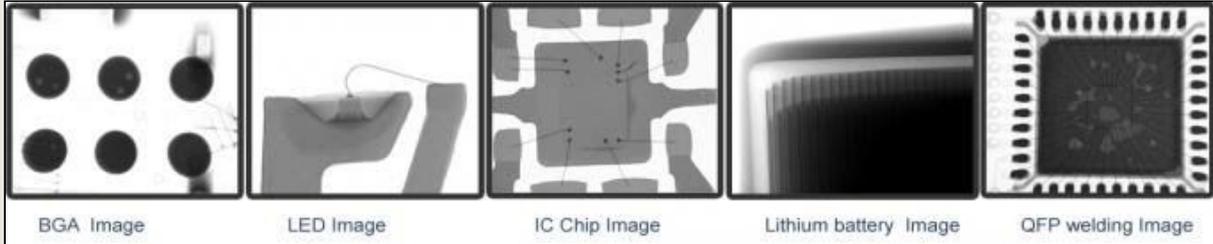
- **Motion controls include:  $\pm 60^\circ$  tilt motion, X/Y table motion plus Z axis tube and detector movement.**
- **Multi-function DXI image processing system**
- **X/Y programming function for multiple image inspection routines**
- **Max. loading area 510mm x 420mm, max. detection area 435 x 385mm with  $\sim 300X$  System Magnification.**
- **BGA void/area auto-measurement plus report generation.**

### Specification

Item	Definition	Specs
System Parameters	Size	1080(L)x1180(W)x1730(H)m m
	Weight	1150kg
	Power	220AC/50Hz
	Power Consumption	0.8kW
X-ray Tube	Type	Closed
	Max.Voltage	90kV/100kV
	Max.Power	8W
	Spot Size	5 $\mu$ m
X-ray System	Intensifier	4"Image Intensifier
	Monitor	22"LCD
	System Magnification	600x

Detection Region	Max.Loading Size	510mm x 420mm
	Max.Inspection Area	435mm x 385mm
X-ray Leakage		< 1uSv/h

## Inspection Images



## Application

BGA , CSP , LED , Flip Chip , Semiconductor, Battery Industry , Small Metal Casting, Electronic Connector Module, Aerospace Components , Photovoltaic Industry,Other Special Industries.