

## **X-Ray INSPECTOR X-6600 -Data sheet**

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# **X-RAY INSPECTOR**



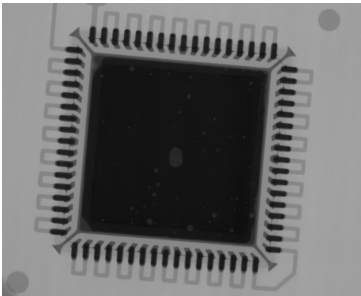

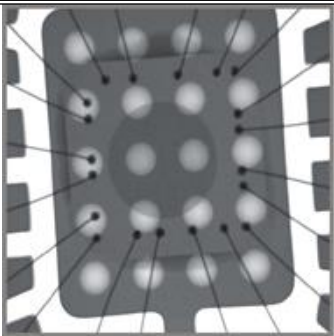

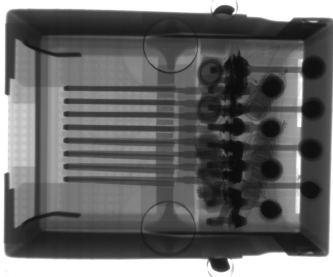
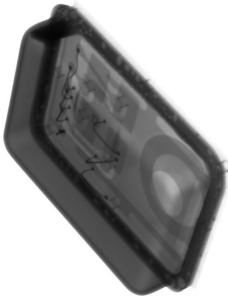
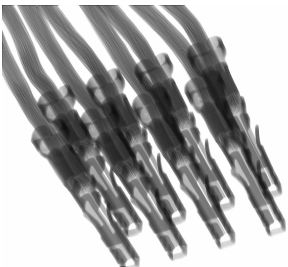
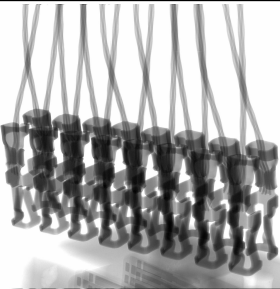
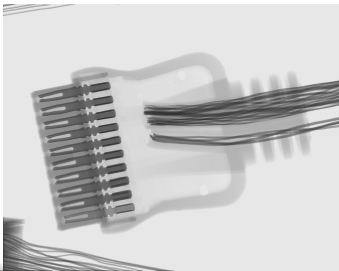
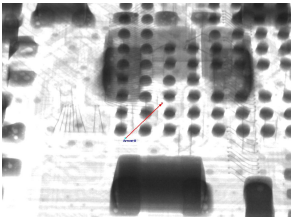
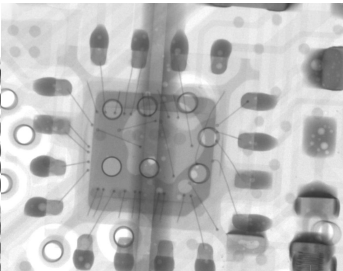
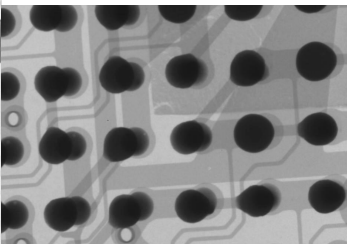

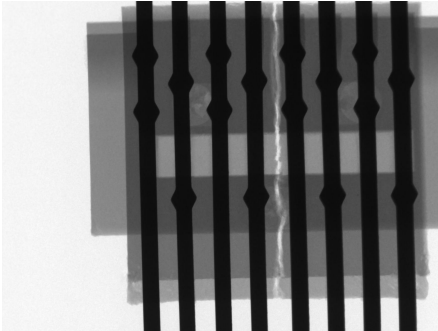
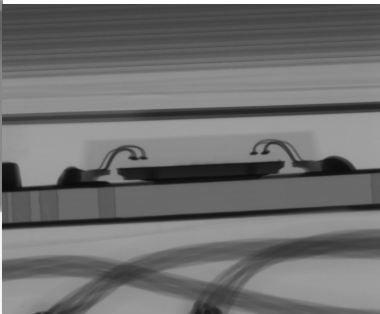
**RAY  
INSPECTOR  
X 6600**

The use of the world's top **HAMAMATSU** tube  
Top full HD digital flat panel detector  
Whole line 2.5D Technology  
CNC programming automatic test  
15 minutes training operation



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IC	  
Ele. Component	  
Connector	  
BGA	  
WAFER	  

## X-Ray INSPECTOR X-6600 -Data sheet

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### Application scope

- 1 Semiconductor packaging
- 2 Electronic connector module
- 3 Die Castings
- 4 Automotive
5. Battery
6. led
7. PCB/A

### major function

function	advantage
the 6 axis linkage	High power easy to detect samples with shielding layer
System amplification 2000X	The detection accuracy is close to 2.5um
Software setting voltage and current	Long service life, maintenance free
Powerful CNC detection function, automatic detection of BGA welding	Can meet the requirements of large sample
Powerful software analysis capabilities,	Do not need to tilt the sample, with a unique perspective to observe the sample
Visual image navigation	Much greater magnification, the image clearer, easier to see BGA.
Flat image	X-6600 is a high performance price ratio

### technical parameter

ITEM		content
Equipment type		X-6600
X-RAY transmitting tube	Tube type	Closed X tube
	Maximum tube voltage	90kV (optional 130kV, 110kV, 100kV)
	Maximum tube current	0.2mA
	Focal spot size	5 um
	Magnification	Geometric magnification: 200X system magnification: 2000
detector	Image velocity	35 fps
	Resolving	1000*1000
	Inclination angle	65 degree tilt detector, easy detection of BGA.
Cabinet specifications	Table size	550mm*450mm
	Outline dimension	Length: 1430mm, width: 1350mm, height: 1670mm
	Equipment net weight	1200kg
	input voltage	AC 110-220V ( ±10% ) ( Universal power supply )

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Cabinet specifications	≤1 u Sv/h
operating system	Windows 7
Power	1.5Kw

**Stage control**

- ① Through the space bar to adjust the speed of the table: slow, constant speed fast.
- ② Keyboard control X, Y, Z three axis motion and tilt angle
- ③ The user can control the speed and angle of the platform by programming

**Automatic BGA detection program**

- ④ Simple mouse click programming, in the absence of operator intervention in the automatic detection of components on each BGA
- ⑤ Automatic detection BGA program can accurately check the BGA bridge, weld, welding and void ratio.
- ⑥ The automatic BGA detection program has high repeatability, which is convenient for process control
- ⑦ Test results will be displayed on the screen and can be output to Excel for easy review and archiving

**NC programming**

- ⑧ Simple mouse click operation to write the test program
- ⑨ The stage can be X, Y orientation, X light pipe and detector Z orientation
- ⑩ Software setting voltage and current
- ⑪ Image settings: brightness, contrast, auto gain and exposure
- ⑫ The user can set the pause time of the program switch
- ⑬ Anti collision system can meet the maximum tilt and observe objects