



Ultra Performance X-Ray Inspection Machine
for Semi-Conductor, R&D

X-eye 5000D

- Super Resolution, Ultra Magnification Ratio
(Focus : 1 μ m, Magnification Ratio : 1800 times)
- Largest Table Size (X : 650mm Y : 550mm)
- Automatic Calculation Function
(Void, Solder Ball, Gold Wire Curvature)
- Auto-Teaching, Data Base Management
- Dual Navigation Function (Dual Vision Camera)
- 6 Axis Control (X, Y, Z, Rotation, Tilt)
- Perfect Safety Design (Triple Safety Design)
- External Leaking Dose (0.5 uSv/h or less)



→ We are willing to test your samples free, if you want to test your samples.

X-eye 5000D

Super Resolution X-Ray System
for R&D, Semi-Conductor

Specifications

	Specification	Option
X-ray Tube	Focus size	1 μ m
	Tube voltage	Max. 160kV
	Tube current	Max. 200 μ A
	Max. power	30W
	Geometric enlargement ratio	2x to 1800x
TV System	Aging(Preheating)	Automatic
	Image Intensifier	2 inch / 4 inch
	Monitor size	17 inch(LCD)
Personal Computer	CPU	Intel Pentium IV Process
	OS	Windows 2000
	Printer	Color Printer
	Dimensions and weight	1920(W) x 1920(D) x 2000(H), 2800kg
X-ray Shield box and others	Externally leaking dose	0.5 μ Sv / H or Less
	Power supply	AC220V \pm 10%, 50/60Hz

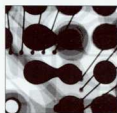
Defect Detected

- Wire Bonding
- Void / Crack
- Short / Bridge
- Misalignment
- Missing
- Solder Ball
- Insufficient Solder
- Deformity

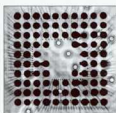
Application

- Semi-Conductor
- BGA, CSP, Flip Chip, etc.
- PCB SMT
- Battery for Mobile Phone
- Plastic Mold
- Electrical Component

Sample Image



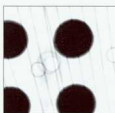
▲ Short



▲ CSP



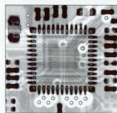
▲ BGA



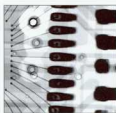
▲ Void



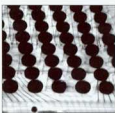
▲ Implant



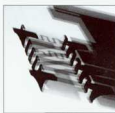
▲ IC



▲ Wire Bonding



▲ BGA Rotation



▲ Tilt



▲ Wire Bonding Rotation

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