



X-Ray Inspection Machine For Semiconductor and analysis

X-eye SF Series



- | High Performance Open Tube X-Ray Inspection Machine for Semiconductor and analysis (Focus:1 μ m,Tube Voltage:160kv)
- | High Resolution High Magnification X-Ray Inspection Machine for Analysis(Max 3200x)
- | Auto Area Calculation (Void,Solder ball) ,Auto-Teaching
- | Table AFT (Auto Focus Tracing) Function
- | Perfect Navigation Function (Dual Vision Camera)
- | 6 Axis (X,Y,Y-afT,Zt,Rotation,Tilt) 3D Inspection Function
- | Safest Design Of External Leaking Dose (0.5 μ Sv/h or less)

Specification

ITEMS	X-eye SF160	X-eye SF160	X-eye SF110	
	A type	B type	C type	
X-Ray Tube	Focal spot size	1 μ m	1 μ m	3 μ m
	Tube Voltage	Max. 160kv	Max. 160kv	Max. 130kv
	Tube Current	Max. 0.2mA	Max. 0.2mA	Max. 0.2mA
	Max. Power	32W	32W	22W
	Geometric Magnification	3x to 1,200x	3x to 1,200x	3x to 1,200x
TV System	System Magnification	3x to 3,200x	3x to 3,200x	3x to 3,200x
	Image Intensifier	4inch / 6inch Digital	4inch / 6inch Digital	4inch / 6inch Digital
	X-Ray CCD Camera	1M / 48fps	1M / 48fps	1M / 48fps
	Gray Scale	12bit(4096 gray scale)	12bit(4096 gray scale)	12bit(4096 gray scale)
Personal Computer	Navigation Camera	CCD(640X480)	CCD(640X480)	CCD(640X480)
	Monitor Size	21 inch LCD	21 inch LCD	21 inch LCD
	CPU	Intel Pentium IV 3.2GHz	Intel Pentium IV 3.2GHz	Intel Pentium IV 3.2GHz
	Memory	1G	1G	1G
Table Robot	Hard Disk	80G	80G	80G
	CD-RW Drive	52X	52X	52X
	Axis(Servo Motor)	6 axis(X, Y, Y-afT, Zt, Rotation, Tilt)	4 axis(X, Y, Zt, Tilt)	4 axis(X, Y, Zt, Tilt)
	1 Slice CT Reconstruction	1axis(Rotation CT)	Option	Option
	Table Size	510 X 460mm	510X460mm	510X460mm
	Stroke on X axis	450mm	450mm	450mm
	Stroke on Y axis	400mm	400mm	400mm
	Stroke on Y-afT axis	280mm	-	-
	Stroke on Zt axis	200mm	200mm	200mm
	Rotation	\pm 180 $^{\circ}$	-	-
Other	Tilt	max. 60 $^{\circ}$	max. 60 $^{\circ}$	max. 60 $^{\circ}$
	Sample Weight	5kg	5kg	5kg
	CT Module	Option	Option	Option
	Footprint(WxDxH)	1400x1750x1950(mm)	1400x1750x1950(mm)	1400x1750x1950(mm)
	Anti-vibration	Option(Pneumatic Vibration Isolation type) Height: 330mm	-	-