

X-SCAN

H SERIES

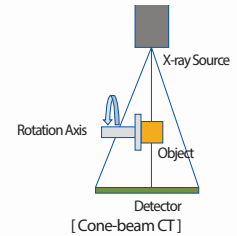
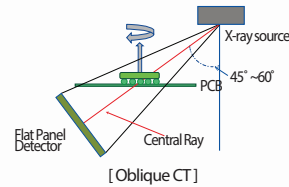
X-RAY AUTOMATIC VISION INSPECTION SYSTEM

5 INCH FLAT
PANEL DETECTORX-RAY INSPECTION
SYSTEM

APPLICATION

- > PCB, SMT, LED, Semiconductor, LCD, Automotive, Battery
- > μ BGA, BGA, CSP, ACF, Flip-Chip, FPCB, and more

DUAL CT MECHANISM



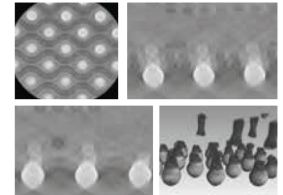
GENERAL SPECS

MODEL	XSCAN-H100-OCT	XSCAN-H130-OCT	XSCAN-H160-OCT
Tube Type	Closed		Open
Minimum Detectability	5 μ m		0.9 μ m
Maximum Output Power	20 Watt	39 Watt	BE Target: 10 Watt Diamond Target: 23 Watt
X-Ray Detector	5 Inch Flat Panel Detector (2352 x 2944 pixels)		
Detector Tilt Angle	60°		
X-Ray Table Rotation	360°		
X-Ray Table Size	525 x 540mm		
Max. Sample Loading	5kg		
Manipulator	7-Axis (X1, Y1, X2, Y2, Z, Detector Tilt, Table Rotation)		
X-Ray Leakage Dose	<1uSv/hour		
Dimension (W x D x H)	1700 x 1700 x 1800mm		1700 x 1700 x 2200mm
Weight	3300kg		3500kg
Power Supply	220 VAC Single Phase 50/60Hz		
Remark	Cone Beam CT [Option]		

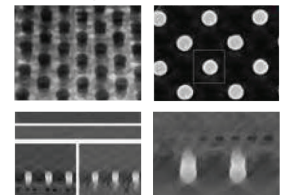
INSPECTION IMAGES



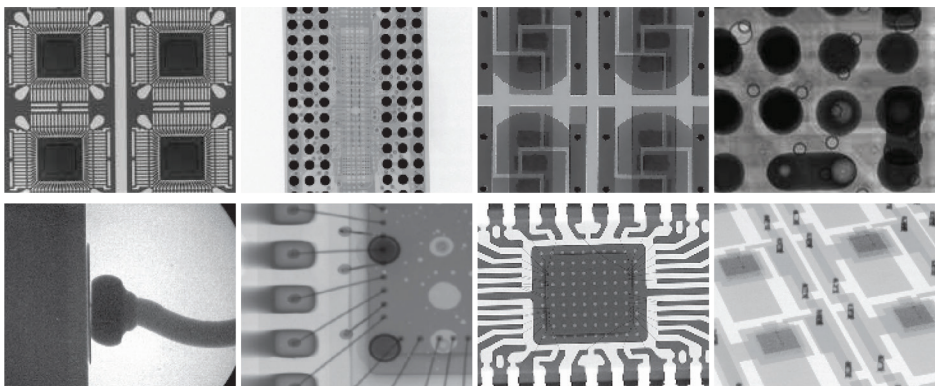
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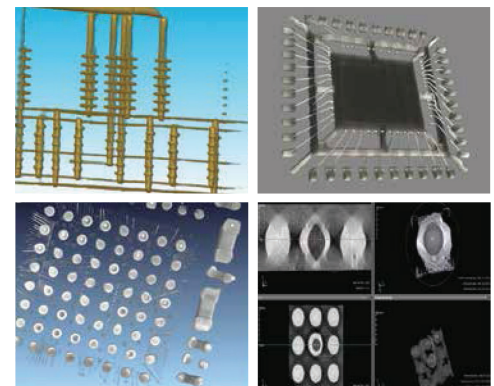
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2D TILT VIEW INSPECTION IMAGES



OBLIQUE CT & 3D RENDERING IMAGES



ADVANCED MECHATRONICS SOLUTIONS, INC

made by **XAVIS**
X-ray Automatic Vision Inspection System



AMS, INC.

10030 Via de la Amistad San Diego CA 92154, United States
Call: +1 619-661-5985 Fax: +1 619-661-5995
Email: ams@ams-fa.com



AMS do BRASIL

Rua Laerte de Paiva, 344 Bairro Macuco Valinhos-SP-CEP 13279.451
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Email: quote@ams-fa.com

X-SCAN A SERIES

X-RAY AUTOMATIC VISION INSPECTION SYSTEM

FRIENDLY
USER INTERFACE

X-RAY INSPECTION
SYSTEM

- > Cone Beam CT & 3D: Option
- > 2D Auto Inspection: Option



APPLICATION

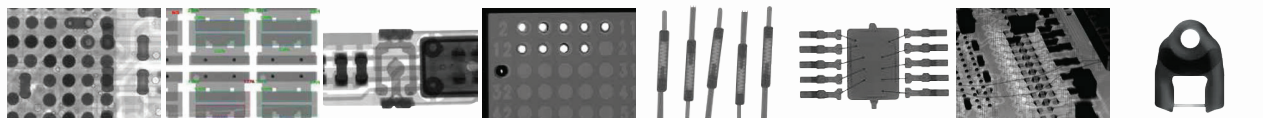
- > PCB, PCBA Surface Mounted Board, MLB, and more
- > μ BGA, BGA, CSP, ACF, Flip-Chip, FPCB
- > Semiconductor Chip, Fine Pitch Electronic Components
- > Engineering Plastic Injection Molding, Camera Module
- > Rechargeable Batteries (incl. EV & ESS)

FEATURES

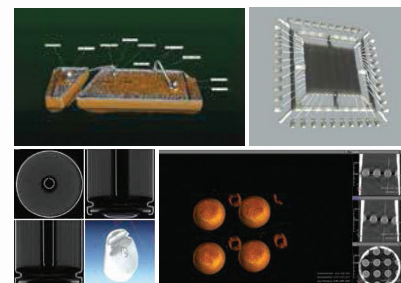
- > High Resolution FPD (Flat Panel Detector)
- > Detector Tilt (50°)
- > Large PCB Size available
- > Navigation User Interface (CNC Programming)
- > Real 3D CT (Option)
- > Tube Focus Size: 5 μ m
- > World class High Resolution X-Ray image
- > Various Optional Functions (Rotation, CT, 3D)
- > Easy to use & User Friendly operation

GENERAL SPECS		XSCAN-A090K	XSCAN-A100(W)	XSCAN-A100R	XSCAN-A100H	XSCAN-A130H	XSCAN-A150
Tube	Focal Spot Size	3μm	5μm				
	Voltage/Current	90kV / 160μA	100kV / 250uA		100kV / 200uA	130kV / 300uA	150kV / 500uA
X-Ray Detector & Tilt Angle		Flat Panel Detector (FPD) / Detector Tilt 50°					
Table Size (Inspection Area)		500x500mm	650x550mm	500x500mm			
Max. Sample Loading		5Kg					
Dimension (W x D x Hmm)		1360x1440x1700	1660x1580x1700	1360x1440x1700			
Weight (kg)		1,100	1,800	1,100		1,200	1,300
Power Supply		220 VAC Single phase 50/60Hz, Power Consumption : < 4kW					
X-Ray Leakage Dose		<1uSv/hour					
Remarks		Option Cone Beam CT & 3D					

CT & 3D VOLUME RENDERING



CT & 3D VOLUME RENDERING



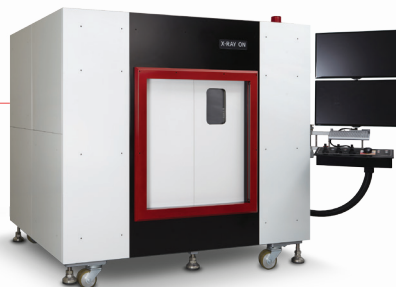
X-SCAN DIE CASTING SERIES

X-RAY AUTOMATIC VISION INSPECTION SYSTEM

EXCELLENT FOR
AUTOMOTIVE COMPONENTS

SIMPLE CT & 3D
RENDERING SOFTWARE

XSCAN-7650



APPLICATION

- > Automotive Components
- > Engine, Piston, Wheels, Handles, Tires, etc

FEATURES

- > High Quality X-Ray Inspection
- > Unmistakeable Precision
- > Vast number of Applications
- > Easy to use

XSCAN-7600 / 8000

These series are optimized for high performance Die-casting exclusive Inspection system to optimize the applicable product size. It is acclaimed for its excellent safety and precision.

XSCAN-8225



XSCAN	XSCAN-7630H	XSCAN-7650H	XSCAN-7650C	XSCAN-8160C	XSCAN-8225C	XSCAN-8225	XSCAN-8350	XSCAN-8450	XSCAN-8450B
X-Ray Tube Type	Closed Type					Open Type	Closed Type		
Max Tube Voltage	130kV	150kV		160kV	225kV		350kV	450kV	
Tube Output Power (Small/Large)	39W	75W		400W	450W (Small) 900W (Large)	280W	1000W (Small) 2250W (Large)	700W (Small) 1500W (Large)	960W (Small) 2250W (Large)
Detector	Flat Panel Detector or Image Intensifier								
Max. Object Weight	Max. 10kg		Max. 30kg		40kg / 80kg				
Max. Inspection Object Size	300(Ø)x400(H)mm		500(Ø)x600(H)mm			500(Ø)x420(H)mm	500(Ø)x800(H)mm		100(Ø)x350(H)mm
Dimension (W x D x H mm)	2100 x 1800 x 2100		2390 x 1810 x 1960			2560 x 1980 x 2080			2100x1600x2100

