

Quadra™ 5

X-ray Inspection System

The Flexible X-ray Inspection Solution

The Quadra™ 5 with industry leading core technology offers high performance and ease of use for 2D and 3D X-ray applications. 0.35 μm feature recognition up to 10 W of power (optional 20 W) makes the Quadra 5 the leading choice for printed circuit board and semiconductor package inspection.

Designed specifically for the electronics market

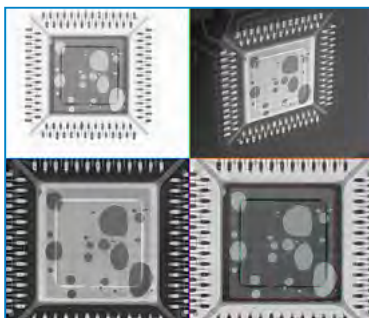


Benefits:

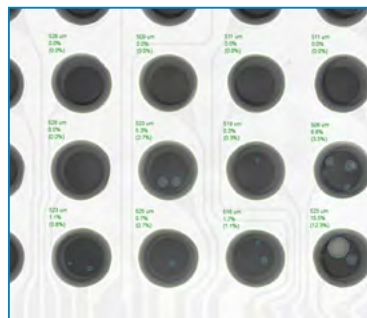
- Sub-micron resolution, reliability and performance helping users produce premium high quality products
- Greater throughput with continuous service without regular filament changes; from the inventors of the sealed-transmissive X-ray tube
- A wide choice of options to help tailor the system to specific application requirements

Features:

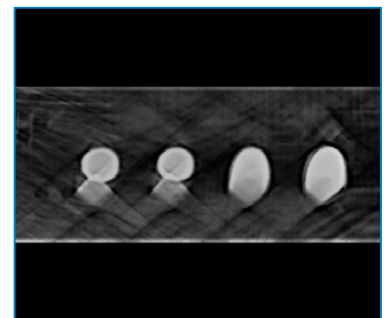
- Highest feature recognition at full power
- AXis – Active X-ray Image Stabilisation
- Automatic inspection routines as standard
 - QFN, BGA, Pad, Wire sweep
- Optional extras such as μCT and X-Plane® for virtual slicing without the need to cut the board



4-way split screen view with filters and void calculations for easier identification

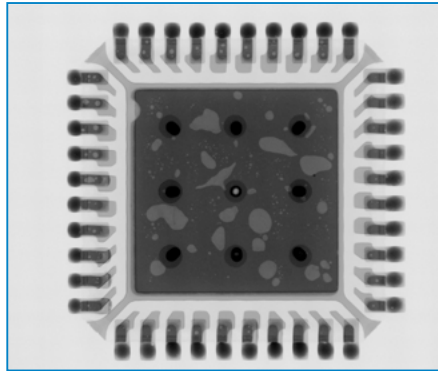


Automatic BGA void calculations with exportable reports



Head-in-Pillow effortlessly identified using X-Plane®

Options	
High Power Upgrade	10W to 20W
X-Plane®	
3D Visualization for X-Plane	
µCT (3D Inspection*)	
Single or Twin Joy Sticks	
Filtering Tray	
Heated Stage	
Template Based Analysis/CAD Editor	
Carbon Fibre Sample Tray	
Second Monitor	



Pad voiding in a QFN

QuadraNT™ Tube	
Type	Sealed-Transmissive
Feature Recognition	0.35 µm up to 10W 0.95 µm up to 20W
Max. Power	10W (optional 20W)
Voltage	30-160kV

Aspire FP™ Detector	
Resolution	3 MP
Frame Rate	25 fps
Pixel Pitch	50 µm
Digital Imaging Processing	16-bit

Inspection	
Oblique Angle View	70°
Active Anti-Vibration	AXiS - Active X-ray Image Stabilization
Display Resolution (pixel per inch)	94 PPI
Max. Inspection Area	20" x 17.5"
Max. Sample Size	29" x 22.8"
Max. Geometric Magnification	2,500X
Max. Total Magnification	45,000X
Max. Sample Weight Standard Tray	5kg (11lbs)
Monitor	Single 24" WUXGA 1920 x 1200 on Fully Flexible Arm Mount

System	
Footprint	1570 W x 1500 D x 1900 H mm
System Weight	1950 kg (4300 lbs)
Power Supply	Single phase 200-230 VAC, 16A
Typical Power Consumption	1KW
Air Supply	4-6 bar clean, dry for anti-vibration
Operation Temperature	10-30°C
Humidity	<85% (non-condensing)
Operation	Mouse
OS	Windows 10 64-bit
X-ray Safety	<1 µSv/hr X-ray leakage Meets all international standards

* Various Software Options

For more information,
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