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 and 0.95 µm feature recognition up to 20 W of power makes the Quadra 5 the leading choice for printed circuit board and semiconductor package inspection.

Designed specifically for the electronics market

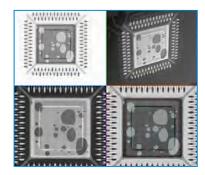


- Sub-micron resolution, reliability and performance helping users produce premium high quality products
- Greater throughput with continuous service without regular filament changes; from the inventors of the sealed-transmissive X-ray tube
- A wide choice of options to help tailor the system to specific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

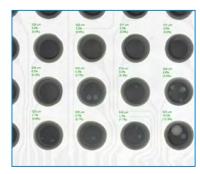


Features:

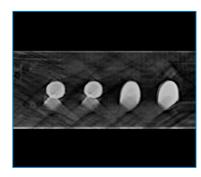
- Highest feature recognition at full power
- AXis Active X-ray Image Stabilisation
- Automatic inspection routines as standardQFN, BGA, Pad, Wire sweep
- Optional extras such as µCT and X-Plane[®] for virtual slicing without the need to cut the board



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



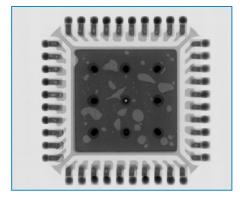
Automatic BGA void calculations with exportable reports



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



Options
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		
Туре	Sealed-Transmissive	
Feature Recognition	0.35 µm up to 10W 0.95 µm up to 20W	
Max. Power	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, please contact your Nordson DAGE regional office or speak with your Nordson DAGE representative, all of which are listed on www.nordsondage.com.

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