



RUBY XL XD7800NT

X-ray Inspection

The Solution for Large Board Applications

Nordson TEST & INSPECTION, the only X-ray company whose focus is on X-ray electronics inspection, offers the Ruby XL XD7800NT X-ray inspection system as the NT maintenance-free, sealed-transmissive X-ray tube, providing 0.5 μm feature recognition and up to 20 W of target power, together with the 3 Mpixel long lifetime CMOS flat panel detector makes this jewel of a system cover all the failure analysis and manufacturing tasks required in the production environment.

www.nordson.com/TestInspect


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TEST & INSPECTION

Crystal Clear X-ray Inspection

The vertical system configuration, with the X-ray tube sitting below the isocentric 'move and tilt' of the detector, all controlled through simple, joystick-free, 'point and click' operation, provides the safe, collision-free and high magnification inspection required for production applications. All these tasks can be simply and quickly carried out with minimal training.

- MK4 Maintenance-Free, Sealed-Transmissive X-ray Tube
- < 0.5 µm Feature Recognition

- 160 kV Tube with Up to 20 W Target Power - Always Retains Sub-Micron Ability
- 3 Mpixel Aspire Flat Panel Detector with Real Time Image Enhancements
- Geometric Magnification 1,800 X
- 33" x 24.2" (840 x 615mm) Tray Size
- 70° Oblique Views without Loss of Magnification
- Two 24" TFT LCD Monitors
- AXiS - Active X-ray Image Stabilization
- No Programming Skills Required for Automated Inspection Tasks

Aspire Flat Panel Detector	
Resolution	3 MP
Frame Rate	25 fps

MK4 X-ray Tube	
Type	Sealed-transmissive, filament-free
Feature Recognition	< 0.5 µm
Max. Power	20 W
	Automated tube stabilization
Voltage	30-160kv

Inspection	
Oblique Angle View	70° - over 762 x 610 mm (30 x 24") 360° around a point of interest. Isocentric manipulator configuration keeps features in field of view
Anti Vibration	AXiS - Active X-ray Image Stabilization - anti-vibration control
Inspection Area	840 x 615 mm (33 x 24.2")
Geometric Magnification	1800x
Digital image processing	16-bit
Software	Gensys
Display	2 x 24" TFT LCD Monitors

System	
Footprint	2749 W x 2490 D x 2070 H mm
System Weight	3000 kg (6600 lbs)
Power Supply	Single Phase 200 - 230Vac, 16A
Max. Power Consumption	1000 W Max
Air Supply	4-6 bar of clean dry air for anti-vibration
Operation Temperature	10-30°C
Humidity	<85 % (non-condensing)
Operation	Mouse point and click
Operating System	Windows 10 64-bit
X-ray Safety	<1 µSv/hr Meets all international standards
Maximum Sample Weight	10 kg (22 lbs)
Joystick	Control X,Y or X,Y & Z
X-Plane®	View sample slices without additional CT hardware

Options	
Barcode Reader	Track samples easily
Warranty	1 Year System, Option for a 2nd Year

For more information, speak with your Nordson representative or contact your Nordson regional office

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