



MXI

# RUBY XL XD7800NT

## X-ray Inspection

### Large Boards and Semiconductor Panel Level Packaging

The RubyXL accommodates very large sample sizes and weights for inspecting large printed circuit board assemblies. Now upgraded with the Revaluation software package, offering ease-of-use improvements, image quality enhancements and exceptional 3D imaging capabilities.

With the addition of the optional high resolution Onyx detector, the RubyXL can now be used for large semiconductor applications, such as glass or organic panel level packaging inspection, at resolutions down to 1µm.

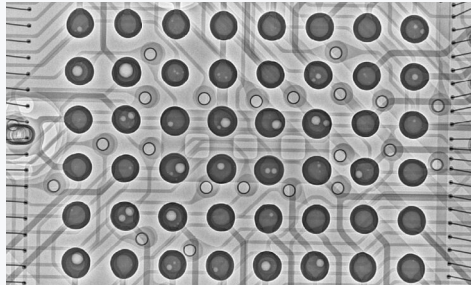
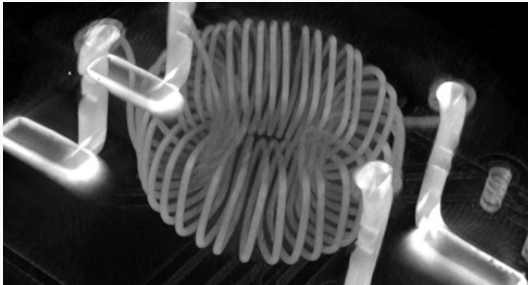
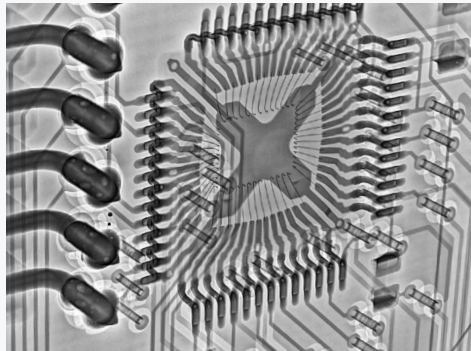
[www.nordson.com/TestInspect](http://www.nordson.com/TestInspect)

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*Test & Inspection*

## Crystal Clear X-ray Inspection

With the optional Onyx X-ray detector, delivering lower noise and higher resolution, increased inspection clarity can be achieved. The Revaluation software package comes with optional upgrades including X-Plane for impressive 3D imaging, HDRlive image enhancement for clear defect visualisation and N-Intelligence AI inspection solutions for fast and accurate defect detection.



Detector & Source		RubyXL Revaluation	RubyXL Revaluation + Onyx
X-ray Source	NT100 Maintenance Free – Sealed Transmissive		
X-ray tube kV and power	30 – 160kV, 20W max		
X-ray Detector	Aspire 3MP, 25 fps		Onyx 6MP, 25 fps
Spatial Resolution	1.5µm JIMA		1.0µm JIMA
Inspection		RubyXL Revaluation	RubyXL Revaluation + Onyx
Oblique angle viewing	+/- 70°, 360° full rotation		
3D Imaging	X-Plane Pro (55° max inclination)		
Max inspection area	840mm x 615mm 762mm x 610 mm (at max oblique angle)		
Max Sample weight	10kg		
Anti vibration	AXiS - Active X-ray Image Stabilization		
Software	Revaluation		
Display	38-inch Ultrawide Curved Monitor (3840 × 1600)		40-inch Ultrawide Curved Monitor (5120 × 2160)
System		RubyXL Revaluation	RubyXL Revaluation + Onyx
Joysticks	Single (XYZ)		
Footprint	2748 (W) x 2490 (D) x 2070 (H) mm		
System Weight	3000 kg		
Power Supply	Single phase 200-230V AC, 50/60 Hz, 16A		
Power consumption	1000 W typical		
Air supply	4-6 bar clean dry air for anti-vibration		
Operating Temperature & Humidity	10 – 30 °C, <85% humidity (non-condensing)		
X-ray Safety	< 1 µSv/hr		
Operating System	Windows 11		

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

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