



QUADRA 3[®] Pro

Manual X-ray Inspection

High Quality X-ray Inspection for Production Applications

Quadra 3 Pro represents the cutting edge of X-ray inspection performance.

1.6 MP ultra high quality images are displayed at full one-to-one resolution over one single curved ultrawide monitor, ensuring you see the most modern features sharply and in all lucidity.

www.nordson.com/TestInspect

Nordson
TEST & INSPECTION

High Quality

Quadra[®] 3 Pro is your partner for high quality X-ray inspection at high magnification for quality control of production applications. Detect a wide range of manufacturing defects including BGA, QFN and IGBT attachment, PTH filling, interfacial voiding, component cracking and counterfeit devices.

Pioneering Software

Get working quickly with Revaluation[™] control software which features simple intuitive menus and controls. Personalize and store individual operators screen layouts

for smoother workflow. Customize filtering and image enhancements to suit your applications needs. Utilize the easy point & click controls to analyze defects fast and produce automated inspection routines.

Optimal Clarity

Designed in-house by a team of semiconductor experts Onyx[™] delivers state-of-the-art performance. Using world-class pixel specifications for low dose sensitivity & high saturation dose. Onyx[™] has higher frame rates and lower noise, giving you faster clearer images.

Onyx Gadox Detector	
Resolution	1.6 MP
Frame Rate	25 fps
Effective Pixel Size	70 µm
Active Area (mm ²)	7800

QuadraNT [™] X-ray Tube	
Type	Mk4 15 W sealed transmissive
Feature Recognition	<750nm
Max. Power	15 W
JIMA	1.0 µm (across 0.5W to 15W power range)
Voltage	30-160kv

Inspection	
Oblique Angle View	2 × 70° - No sample rotation required
Anti Vibration	Passive (for µCT use only)
Inspection Area	510 x 445 mm (20 x 17.5")
Geometric Magnification	x750 + Digital zoom (with options)
Image bit depth	16-bit
Display	34" Ultra Wide Monitor (3440 x 1440)

System	
Footprint	1570 W x 1500 D x 1900 H mm
System Weight	1950 kg (4300 lbs)
Power Supply	Single phase 200-230 VAC, 50/60 Hz, 16A
Typical Power Consumption	1kW
Air Supply	5-8 bar clean, dry for anti-vibration (for µCT use only)
Operation Temperature	10-30°C
Humidity	<85 % (non-condensing)
Operation	Mouse point and click
Software	Revaluation
Operating System	Windows 10 64-bit
X-ray Safety	<1 µSv/hr Meets all international standards

Options	
X-Plane [®]	View sample slices without additional CT hardware
µCT	Create high resolution 3D models with the µCT sample stage
Barcode Reader	Track samples easily
Joystick	USB Joystick Module
Filtering Tray	Reduce sample X-ray dose
Wafer Holders	For handling 300 mm and 200 mm wafers

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

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