QUADRA 5® Pro

Manual X-ray Inspection

The Flexible X-ray Inspection Solution

Quadra 5 Pro represents the cutting edge of X-ray inspection performance.

3.3 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.

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QUADRA 5® Pro **Manual X-ray Inspection**

Flexible X-ray Solution

Quadra 5 Pro offers excellent functionality and sub micron image quality. Quadra 5 Pro shares many of the same accessories as Quadra™ 7 Pro, including the µCT acquisition stage, X-ray dose filtering and thin sample trays.

Pioneering Software

Get working quickly with Revalution™ 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 HL Detector	
Resolution	3.3 MP
Frame Rate	25 fps
Effective Pixel Size	70 µm
Active Area (mmˆ2)	15000

QuadraNT™ X-ray Tube	
Type	Mk4 100 20W
Feature Recognition	<300nm (at less than 10W)
Max. Power	20 W
JIMA	0.8 µm
Voltage	30-160kv

Inspection	
Oblique Angle View	2 × 70° - No sample rotation required
Anti Vibration	Active
Inspection Area	510 x 445 mm (20 x 17.5")
Geometric Magnification	x750 + Digital zoom (with options)
Image bit depth	16-bit
Display	38" Ultra Wide Monitor (3840 x 1660)

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
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

Options	
X-Plane Pro®	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

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