

## The complete X-ray inspection solution

Quadra $^{\text{TM}}$  7 represents the cutting edge of X-ray inspection performance.

6.7 MP ultra high quality images are displayed at full one-to-one resolution over two 4K UHD monitors, ensuring you see the clearest features today, and for all your products in the future.

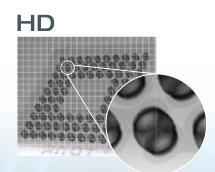


QuadraNT<sup>™</sup>, Nordson DAGE's latest generation X-ray source ensures images are bright, clear and stable, allowing features down to 100nm to be resolved.

### Simplicity as Standard

Gensys<sup>™</sup> proprietary control and measurement software integrates advanced image acquisition and processing functions into an intuitive user interface so both routine measurements and advanced, high resolution investigations can be performed with ease.

Full HD 1920 x 1080 94 pixels per inch



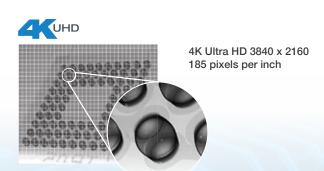
# Nordson DAGE

#### **Maintenance Free**

The QuadraNT X-ray source uses proprietary filament free technology, so regular preventative maintenance visits are not required, reducing your downtime and running costs.

QUADRA 7

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Seeing is Believing™

## Specifications at a Glance

#### **Options**

X-Plane®

Visualization for X-Plane

μCΤ

**Heated Stage** 

Template Based Analysis

Joysticks

Barcode Reader

Filtering Tray

Thin Sample Tray (included)

View sample slices without additional CT hardware

Create 3D models from X-Plane data

Create high resolution 3D models with the µCT sample stage

Simulate reflow oven conditions, view solder processes in real time

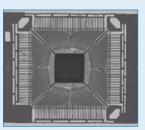
Use existing design data to create automatic inspection routines

For joystick navigation and zoom

Track samples easily

Reduce sample X-ray dose

Acquire clearer images of thin samples



Lead frame: High dynamic range makes it easy to identify wire bonds, voids and cracks

QuadraNT™ X-ray Tube	
Туре	Filament free transmissive
Feature Recognition	0.1µm (0.3µm above 10W)
Max. Power	20W
Voltage	30-160kV

Aspire FP™ Detector	
Resolution	6.7 MP
Frame Rate	30 fps
Pixel Pitch	50 µm
Digital Imaging Processing	16-bit

Inspection	
Oblique Angle View	2 × 70° - No sample rotation required
Anti Vibration	AXiS - Active X-ray Image Stabilization
Display Resolution	185 PPI
Inspection Area	510 x 445 mm (20 x 17.5")
Sample Size	740 x 580 mm (29 x 22.8")
Geometric Magnification	2,500x
Total Magnification	68,000x
Display	Twin 24" 4K UHD 3840 x 2160 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, 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
Operating System	Windows 10 64-bit
X-ray Safety	<1 µSv/hr Meets all international standards

Americas

China

+ 1 760 930 3307

sales@nordsondage.com

+44 1296 317800 Europe globalsales@nordsondage.com

+86 512 6665 2008

sales.ch@nordsondage.com

+49 89 2000 338 270 Germany

sales.de@nordsondage.com

Japan

Taiwan

+81 3 3 3599 5920 sales.jp@nordsondage.com

**South East Asia** 

+65 6552 7533 sales.sg@nordsondage.com

+886 2 2902 1860 globalsales@nordsondage.com

**United Kingdom** 

+44 1296 317800

globalsales@nordsondage.com

