

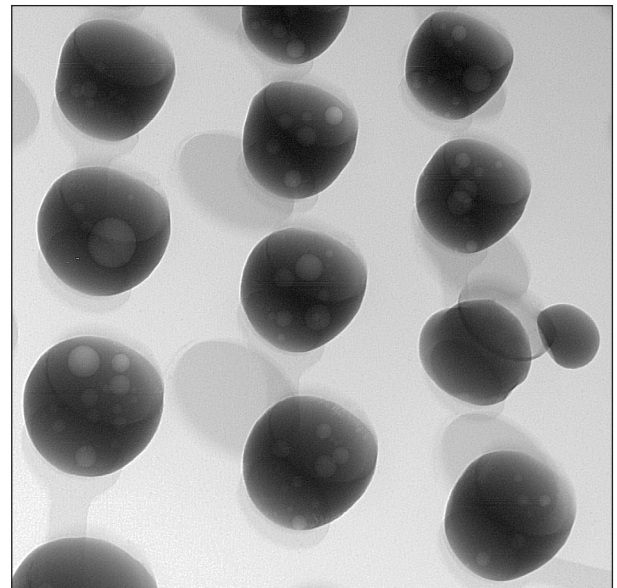
XD7500VR Jade

X-ray Inspection System

Market Leading Cost Effective Production Platform

Advantages

- Nordson DAGE VR950 Open, Transmissive X-ray Tube
- Proveable < 0.95 μm Feature Recognition
- 160 kV Tube with Full 3W of Tube Power at Sub-Micron Feature Recognition Across the Range
- Nordson DAGE 1.3 Mpixel @ 25fps χ iDAT2 Digital Image Intensifier
- Geometric Magnification 1,200 X, System 5,600 X
- 29" x 22.8" (736 x 580 mm) Maximum Board Size
- 70° Oblique Views without Loss of Magnification
- 20" TFT LCD Monitor
- No Programming Skills Required for Automated Inspection Tasks
- Easiest to Use System with Best Ergonomics



Oblique view of BGA

Nordson DAGE, the only x-ray company whose focus is on x-ray electronics inspection, offers the Nordson DAGE XD7500VR Jade x-ray inspection system as the market-leading, cost effective approach for production tasks. With a great specification, this foundation platform easily outperforms the competition.

The open, transmissive x-ray tube together with the 1.3 Mpixel χ iDAT2 digital image intensifier makes this jewel of a system provide the most cost effective choice in terms of price and performance for the high magnification and high resolution real-time imaging necessary for electronics

inspection. The vertical system configuration, with the x-ray tube sitting below the isocentric 'move and tilt' of the detector, all controlled through the simple, joystick-free, 'point and click' operation of the Nordson DAGE Image Wizard Software provides the safe and collision-free inspection required for production applications. All these tasks can be simply and quickly automated from within the standard Nordson DAGE software without the need for programming skills.

Crystal Clear X-ray Inspection. Nordson DAGE.



XD7500VR Jade X-ray Inspection System

Specifications

- Nordson DAGE VR950 open, transmissive x-ray tube:
 - < 0.95 µm feature recognition at all kVs
 - up to 160 kV at 3 W tube power
 - automated tube stabilisation
 - 1 year tube warranty
- 1,200 X geometric magnification (5,600 X system magnification)
- Easy, collision-free, high magnification and high resolution inspection:
 - even at oblique angle views
 - joystick-free, ‘point and click’ operation
- Maximum board size: 29” x 22.8” (736 x 580 mm) with reduced magnification
- Maximum inspection area: 20” x 17.5” (508 x 444 mm)
- 70° oblique angle views:
 - for 360° around a point of interest
 - isocentric manipulator configuration keeps features in field of view
- XiDAT2 digital image intensifier detector with 1280 x 1024 pixels (1.3 Mpixels):
 - 25 fps full-frame real-time image acquisition
- 16-bit digital image processing
- Anti-vibration control
- 20” TFT LCD operator display monitor
- Nordson DAGE Image Wizard operating software including:
 - automated and manual component fault analysis including BGA & QFN
 - simple to create and use robust automated inspection routines
 - plated through hole (PTH) fill percentage calculation
 - accurate measurement functions
 - automated and manual die attach / area void calculation
 - patented¹ x-ray navigation map for easy fault location
 - simple to use, no complicated joysticks required
- Fully lead-shielded system safety cabinet:
 - providing < 1 µSv/hr x-ray leakage
 - meets all international standards
- 1 year system warranty

Options

- Joystick control (X,Y or X,Y & Z)
- Barcode reader

System

- Size: 57” x 67” x 77.5” (w x d x h)
- Size: 1450 x 1700 x 1970 mm (w x d x h)
- System Weight: 1950 kg (4300 lbs)
- Maximum Sample Weight: 5 kg (11 lbs)
- Power: Single Phase 200 - 230Vac, 16A
- Max. Power Consumption: 1000 W Max.
- Operating Temp. Range: 10 - 30°C
- Humidity: < 85% (non-condensing)

For more information, please contact your Nordson DAGE regional office or speak with your local Nordson DAGE representative, all of whom are listed on www.nordsondage.com

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