

Nordson Dage XD7600NT Diamond FP



Capability/Application

The Nordson DAGE XD7600NT Diamond FP X-ray inspection system includes the advanced technology flat panel detector that provides high-quality, real-time imaging in production. The exceptional Nordson DAGE NT maintenance-free, sealed transmissive X-ray tube provides 0.1µm feature recognition and up to 10W of target power. The vertical system design coupled with the X-ray tube located below the isocentric 'move and tilt' of the detector is controlled by a simple, 'point and click' feature of the Nordson DAGE image wizard software. This system design provides safe and collision-free inspection needed for all applications.

Specifications

X-ray tube: < 0.1µm feature recognition at 30 - 160kV for < 4W target power

< 0.95µm feature recognition when above 4W target power

Geometric magnification: max 2500X

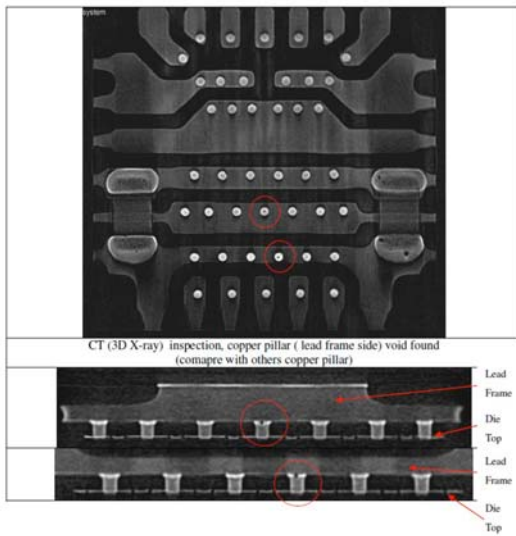
Maximum sample size: 736 x 580 mm

Maximum inspection area: 508 x 444 mm

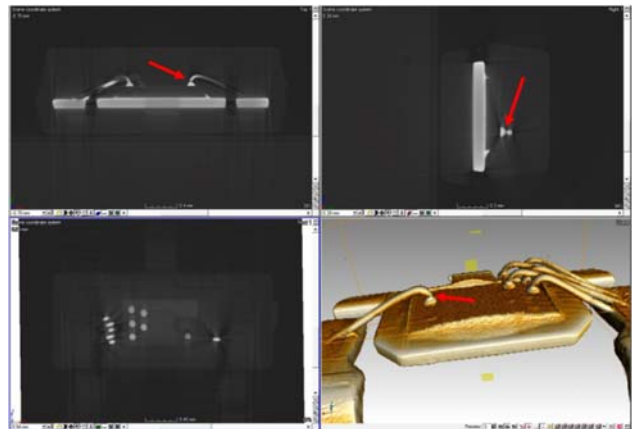
Detector: CMOS Flat Panel detector (1940 x1530 pixels)

Software: Nordson DAGE Image Wizard with automated/manual component fault analysis including BGA & QFN, plated through hole fill percentage calculation, accurate measurement function

Example application images



3D X-ray locates voids on copper pillars



3D X-ray confirms broken bond wire before decap

Equipment manufacturer web page

<https://www.nordson.com/en/divisions/dage/products/x-ray-inspection-systems/xd7600nt-diamond>

Youtube demo videos

<https://www.youtube.com/watch?v=TuM-WMUeRnQ>