

Image Capture System

Datasheet

Features and Benefits

- **Quick and simple to set-up aids faster testing**
- **Located in close proximity to the test head so does not take up valuable test space**
- **Independently controlled LED lighting to maximize image quality by highlighting surface features**
- **Software controlled magnification for precision**
- **Simple one-click image capture saves time**
- **Automatic movement of the test piece into view after each test enables quick image capture with one click of the mouse**
- **Simply use the mouse to move the XY stage and test piece into view**
- **Images and measurements are stored enabling further analysis**

The Nordson DAGE image capture system provides high resolution images of the test part at a significantly higher magnification than possible with a microscope. The image capture system facilitates failure mode designation with the rapid acquisition of relevant images and measurements, reducing the subjectivity in failure mode assessment by the operator, as well as enabling in-depth failure analysis and the association of images with automation patterns. The system is also an ideal tool for demonstrations and operator training, for teaching failure mode recognition and test analysis, as detailed images can be presented on screen.

The applications are wide ranging; suitable for material characterization in the Research and Development environment, production process monitoring, aiding better quality control, and the correlation of failure modes between manufacturing facilities in different countries.

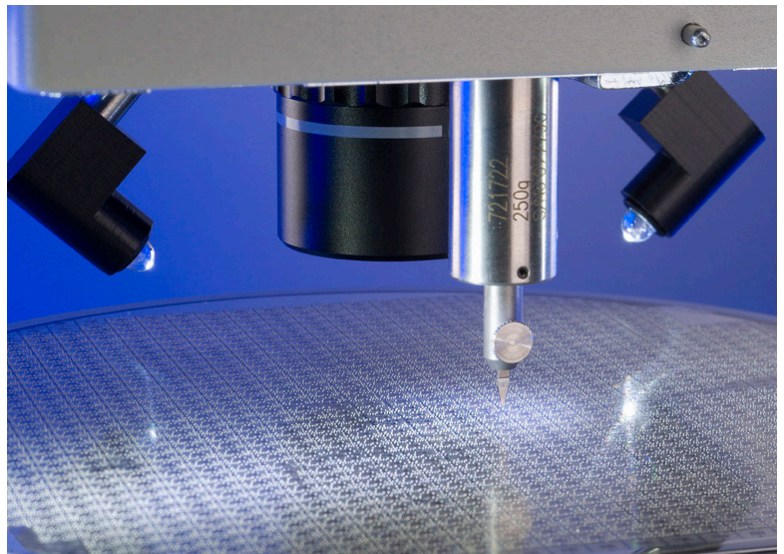
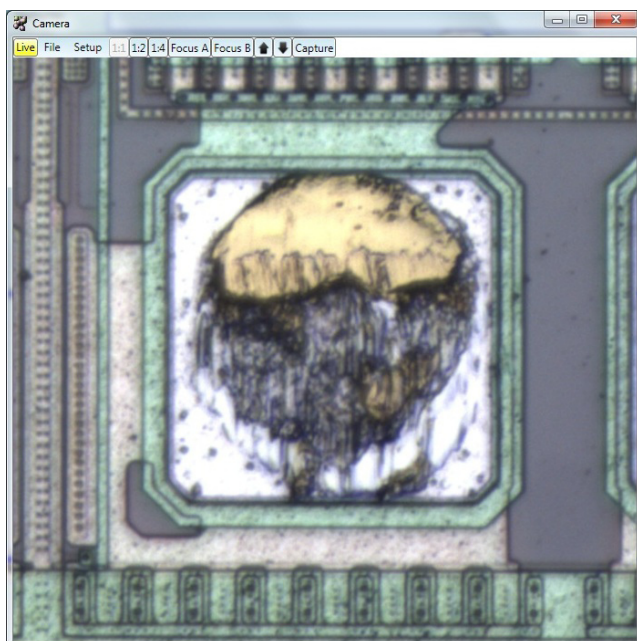


Image capture system



Field of view as seen through the image capture system

Specifications

Image capture resolution	2048 x 1536 pixels
Measurement tools	<p>Multiple instances of linear measurements between points</p> <p>Multiple instances of area by drawing ellipse, rectangle or freehand shapes</p> <p>User adjustable fields are font colour and size, font background colour and transparency, line colour and weight. The user can also reposition the measure value box</p>
Magnification	<p>10x objective = 800x, 5x objective = 400x, 2x objective = 160x</p> <p>Magnification is based on a 17inch screen with a resolution of 1440x900 pixels and the camera window maximised to use the full display</p>
Field of view	<p>10x objective = 475x270 um</p> <p>5x objective = 960x550 um</p> <p>2x objective = 2.4x1.4 mm</p>

Further Information

- The system is supplied with interchangeable objective lenses for 10x, 5x and 2x magnification
- Compatible with the 4000*Plus* bondtester
- The image capture system has the part number 4000PLUS-IMAGE-CAPTURE
- Full technical support is available worldwide

For more information,
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