μCT Inspection

X-ray Inspection Option

Micrometer feature recognition in 3D

As electronic assemblies and manufactured products become smaller and more densely populated, quickly creating high quality computed tomography (CT) models of complicated structures is more important than ever for quality control and failure analysis.

The μCT Inspection System Option generates premium quality CT models with µm accuracy in little time, making defect inspection and investigation fast and easy.

Buy pre-installed with new Nordson DAGE X-ray inspection systems, or upgrade later when you need it.

CT when you need it

Get results quickly when you need them. The removable CT sample tray features a single cable connection, making it quick and easy to switch from 2D to 3D inspection.

Flexible reconstruction software

CT data is only as good as the software used to render it. This is why we offer CERA software for visualizing samples quickly and easily using an intuitive user interface, and VGStudio/VGStudio Max software for advanced reconstruction using a feature rich, powerful user visualization environment.

See everything

CT allows you to see features that may be obscured in 2D images, opening up a new level of inspection. View microplanes of your sample in any orientation. Render and explore 3D reconstructions to see defects clearer.
## Specifications at a Glance

<table>
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<th>Sample Size</th>
<th>Up to 150 x 135 mm</th>
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<tr>
<td>Inspection Area</td>
<td>Up to 60 x 45 mm (flat panel)</td>
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<tr>
<td>Reconstruction Software</td>
<td>CERA, VGStudio or VGStudio Max</td>
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<td>Measurement Functions</td>
<td>Included</td>
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<td>Availability</td>
<td>Quadra™ 5, Quadra™ 7, Jade, Ruby and Diamond systems</td>
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### Includes:

1. µCT sample rotation stage
2. Calibration tray
3. Sample holders
4. Storage case
5. µCT control unit
6. Optional PC for reconstruction and visualization

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**BGA solder ball voiding and structure**

**Section of via showing plating variations**

**PCB assembly showing plated through holes, discrete components, copper tracks and wire bonds**

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