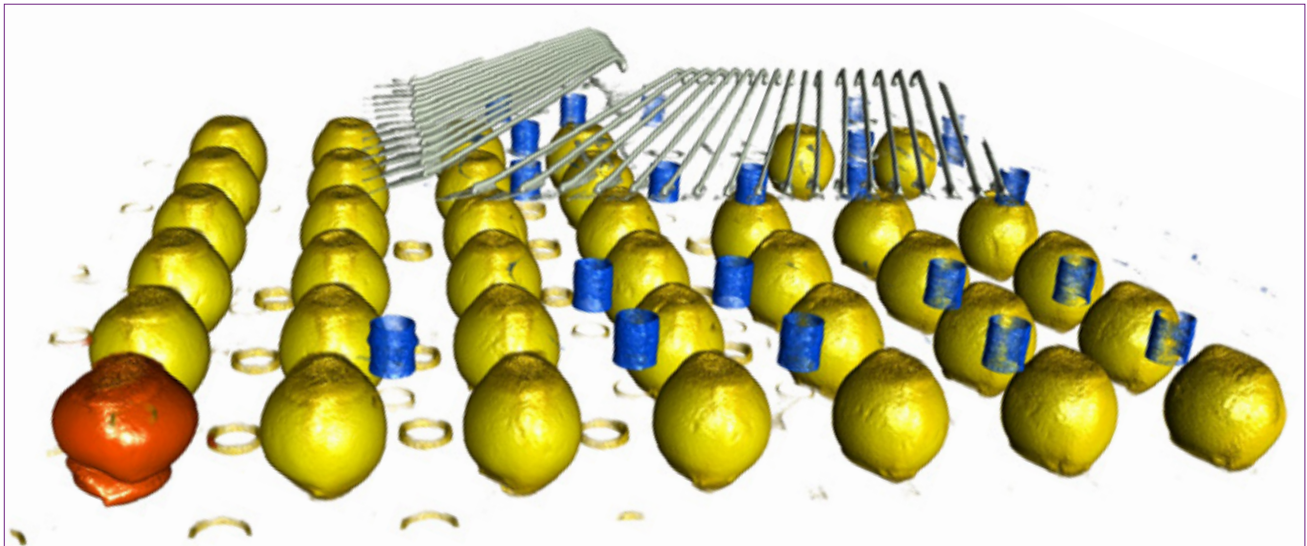


μCT Inspection

X-ray Inspection Option



HiP defect in BGA devices also showing bondwires and internal vias

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.

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.

CT when you need it

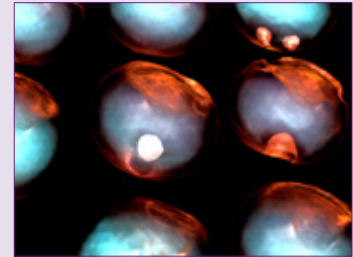
Get results quickly when you need them. The removable CT sample tray features a single cable connection, making it quick and easy to switch from 2D to 3D inspection.

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.

Specifications at a Glance

Sample Size	Up to 150 x 135 mm
Inspection Area	Up to 60 x 45 mm (flat panel)
Reconstruction Software	CERA, VGStudio or VGStudio Max
Measurement Functions	Included
Availability	Quadra™ 5, Quadra™ 7, Jade, Ruby and Diamond systems



BGA solder ball voiding and structure

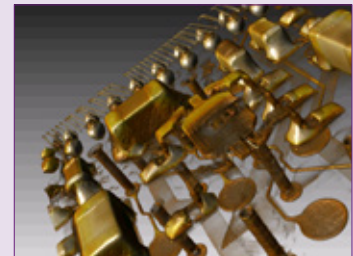
Includes:



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



Section of via showing plating variations



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

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