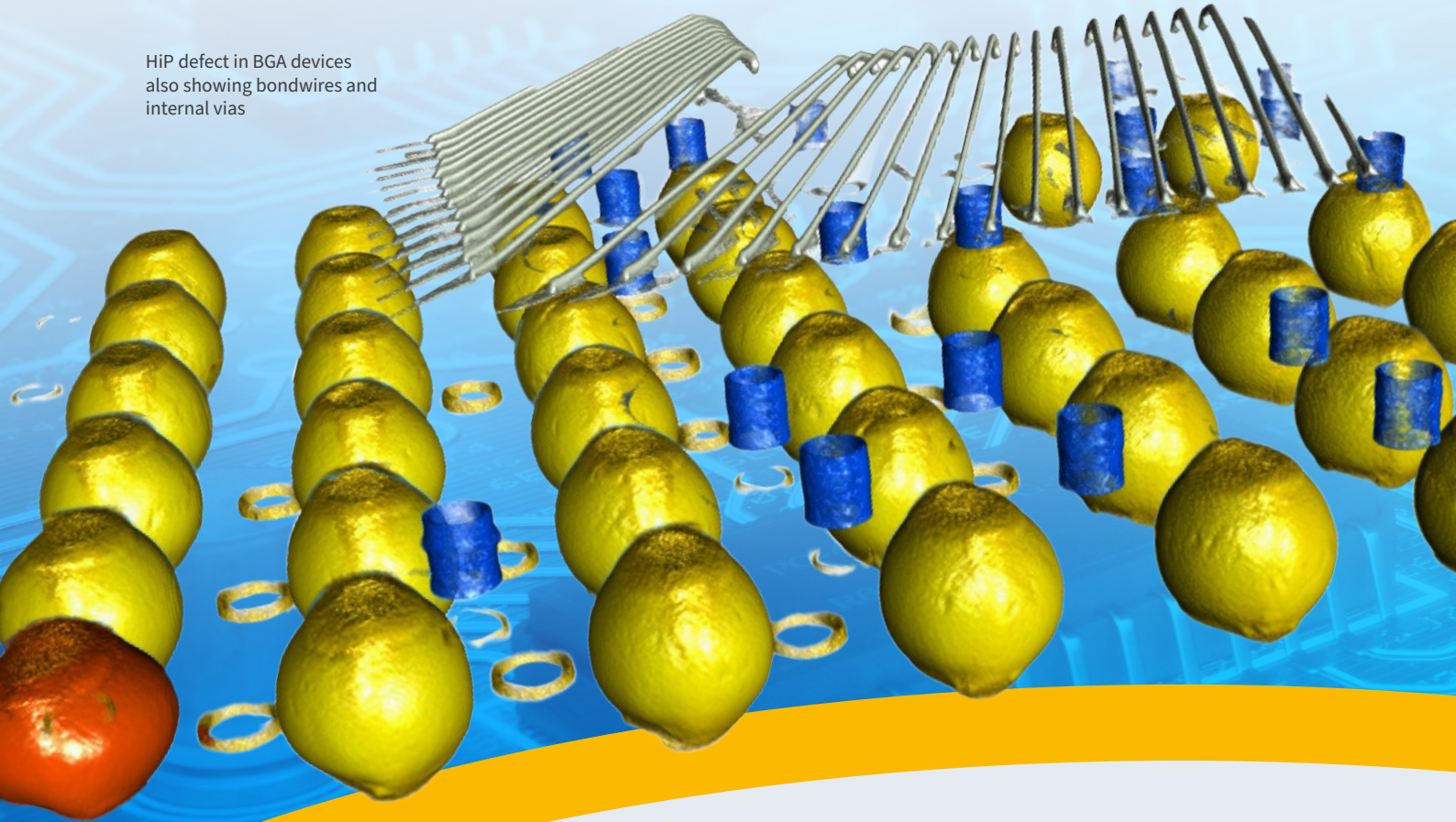


HIP defect in BGA devices  
also showing bondwires and  
internal vias



# $\mu$ CT 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  $\mu$ CT Inspection System Option generates premium quality CT models with  $\mu$ m accuracy in little time, making defect inspection and investigation fast and easy. Buy pre-installed with new Nordson Test & Inspection X-ray inspection systems, or upgrade later when you need it.

[www.nordson.com/TestInspect](http://www.nordson.com/TestInspect)

  
*Test & Inspection*

# μCT X-ray Inspection Option Micrometer feature recognition in 3D

## See everything

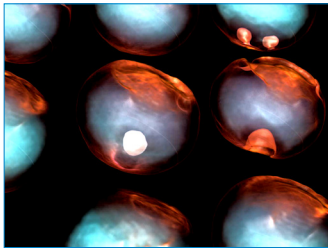
CT allows you to see features that may be obscured in 2D images, opening up a new level of inspection. View microplanes of your sample in any orientation. Render and explore 3D reconstructions to see defects clearer.

## 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

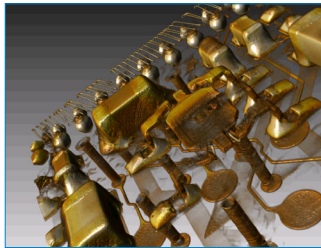
CT data is only as good as the software used to render it. This is why we offer CERA software for visualizing samples quickly and easily using an intuitive user interface, and VGStudio/VGStudio Max software for advanced reconstruction using a feature rich, powerful user visualization environment.



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



Specifications	
Sample Size	Up to 150 x 135 mm
CT stage Weight limit	300 grams
Reconstruction Software	CERA, VGStudio or VGStudio Max
Measurement Functions	Included
Availability	Quadra 3 Pro, Quadra 5 Pro, Quadra 7 Pro, Jade, Ruby XL and Diamond systems

**For more information, speak with your Nordson representative or contact your Nordson regional office**

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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