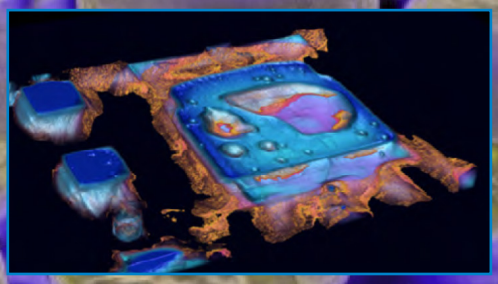
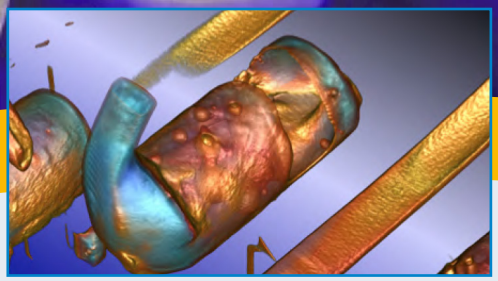


CT of BGA



X-plane® slice of voiding in the solder



CT of PTH showing insufficient solder and voiding in solder (inverted)

MXI

CERA XPlorer

X-Plane Pro / µCT Option

CERA is an innovative software solution with geometry calibration, reconstruction and 3D volume visualisation, together with high resolution and superior performance that makes non-destructive failure analysis and inspection quick and easy.

CERA helps you get the most from Nordson Test & Inspection's X-Plane or µCT, where dense, multi-layer, multi-component or complex integrated samples need to be virtually sliced and rotated for detailed in-depth analysis.

www.nordson.com/TestInspect

Nordson

Test & Inspection

CERA XPlorer **X-Plane Pro / µCT Option**

Key Areas of Interest

- Voids
- Pad Surfaces
- Wire Joints
- Head-in-Pillow Defects
- Cracks

Simple to use

User-friendly with minimal input required and a clutter free menu, means getting the information you need has never been made simpler. Allowing you to get the best level of images in an intuitive user interface.

Time Saving

Utilizing the latest in CT imaging algorithms and GPU acceleration equating to ultimate smooth rendering performance and very short reconstruction times.

Superior

Rendered images provide the highest quality visuals making the results easier to analyze and spot the finest of details.

Features of CERA Visualization

Fast, high-quality 3D volume visualization with high resolution provides 3D rendering without having to be an expert in modern 3D voxel processing algorithms.

For Nordson Test & Inspection's X-Plane® or µCT option:

- High performance GPU rendering designed for high frame rates / smooth visualization
- Contains "XPlorer" Visualization (GUI)
- Various render modes: MaxIP, ISO-surface, DRR, shaded MPR, thick MPR, etc.
- 2D and 3D volume visualization GUI
- Teravoxel rendering
- Create movies and screenshots
- Flexible transfer functions
- Material editor
- Crop box and clip planes
- Simple measurement features
- Permits to focus on details in 3D data using slicing
- Easy window levelling

Features of CERA µCT

Fast, high-quality CT reconstruction with advanced CT artifact and noise reduction.

For Nordson Test & Inspection's µCT option. CERA Visualization included:

- GPU-based high performance CT reconstruction
- Advanced artifact and noise reduction for excellent image quality
- Metal artifact reduction
- Ring artifact reduction
- Noise reduction
- Beam hardening correction
- Efficient correction of geometry misalignments
- Geometry calibration

Available in the following ways:

- Integrated within Nordson Revalution Software Package on Quadra Pro & Ruby XL MXI Systems
- Separate Station X-Plane® and CT Visualisation PC
- Separate Station CERA µCT Reconstruction PC

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

Nordson Test & Inspection Europe
ti-sales-eu@nordson.com

Nordson Test & Inspection Middle East
ti-sales-eu@nordson.com

Nordson Test & Inspection Africa
ti-sales-eu@nordson.com

Nordson Test & Inspection Americas
ti-sales-us@nordson.com

Nordson Test & Inspection China
ti-sales-cn@nordson.com

Nordson Test & Inspection Japan
ti-sales-jp@nordson.com

Nordson Test & Inspection Singapore
ti-sales-sg@nordson.com

Nordson Test & Inspection Taiwan
ti-sales-tw@nordson.com

Nordson Test & Inspection Korea
ti-sales-korea@nordson.com