CERA XPlorer

X-Plane / µCT Option

Benefits

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 DAGE'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.

Key Areas of Interest

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

Simple

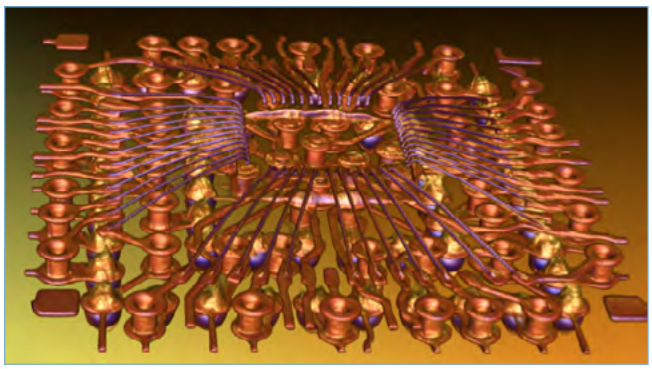
User-friendly with minimal input required and a clutter free menu, means getting the information you need has never been made simpler. Allowing you to get the best level of images in an intuitive user interface.

Time Saving

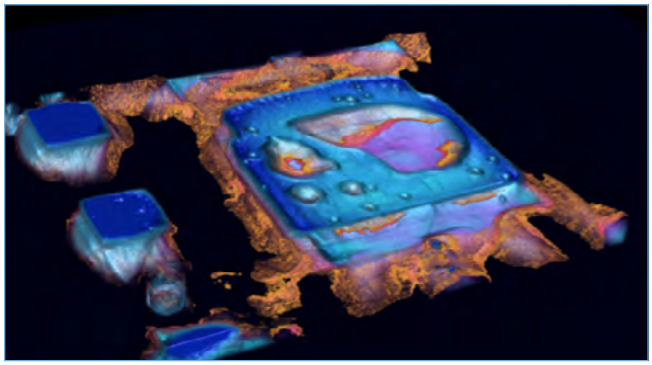
Utilizing the latest in CT imaging algorithms and GPU acceleration equating to ultimate smooth rendering performance and very short reconstruction times.

Superior

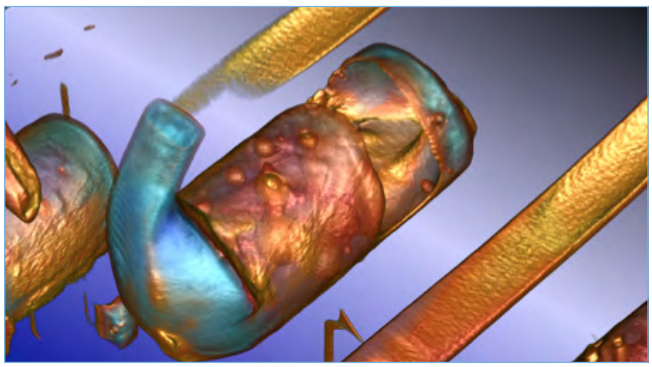
Rendered images provide the highest quality visuals making the results easier to analyze and spot the finest of details.



CT of BGA



X-plane® slice of voiding in the solder



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

Nordson DAGE

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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 DAGE'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 DAGE'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

Options

CERA option	Dage System	PC	CERA Visualization	CERA µCT
CERA Vis for X-Plane (No PC)	X-Plane®	No Separate Station	●	
CERA Vis forX-Plane (Inc PC)	X-Plane®	Separate Station	●	
CERA µCT	µCT	Separate Station	●	●

For more information, please contact your Nordson DAGE regional office or speak with your Nordson DAGE representative, all of which are listed on www.nordsondage.com.

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