

Technical Data Sheet

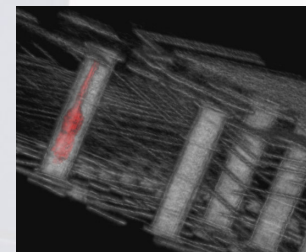
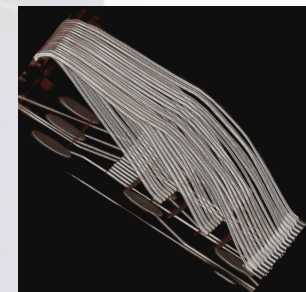
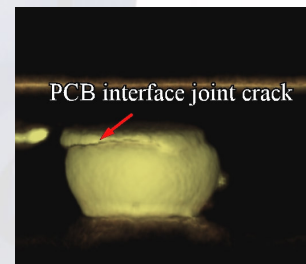
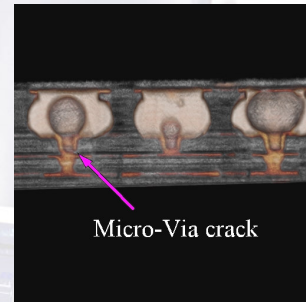
Dage X-ray 3D μ -CT Inspection Option

Optional Module for Dage X-ray Inspection Systems

- ✓ Rapid Switching Between 2D and 3D Analysis
- ✓ Very Fast CT Model Reconstruction
- ✓ 512³ and 1024³ Voxel Models Available
- ✓ Provides Virtual Micro-Sections
- ✓ QuickView CT Option for Fastest CT Model Acquisition

The Dage μ -CT inspection option provides Computerised Tomography (CT) functionality to compliment the 2D X-ray investigations available on Dage X-ray inspection systems. The Dage μ -CT option uses the acknowledged superior, sub-micron feature recognition 2D X-ray images, that Dage X-ray systems always provide, to produce the best CT models for 3D sample analysis, virtual micro-sectioning and internal dimensional measurements for, amongst others, crack, void and reverse engineering applications. Using the Dage μ -CT option will help to reduce the number of time-consuming micro-section analyses that are needed and / or assist in identifying on where micro-section preparation and investigation must concentrate.

- Simple, intuitive CT scanning and visualisation software
- Maximum Sample Size 150 x 100 mm
- Maximum Inspection Area ~ 50 x 50 mm
- Full and Sub-Volume Reconstructions
- Feldkamp cone beam reconstruction
- Real time CT model manipulation
– off-line from image acquisition
- Multi Planar Reformat
– reconstructed 2D slices through any plane in the CT model
- Movie generation
- Measurement functions
- Precision sample rotation
- Fast CT reconstructions through custom hardware
- Available with system order or as a subsequent retro-fit to suit application and workflow requirements on all Dage XD7500 and XD7600 X-ray inspection systems



For more information: www.dage-group.com

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Dage X-ray 3D CT Inspection Option



- ❶ CT Calibration Tray
- ❷ Two Differently Sized and Adjustable CT Sample Holders with Various Jaw Attachments
- ❸ CT System Storage Case
- ❹ CT Rotation Stage Control Unit
- ❺ CT Computer including Custom CT Model Reconstruction and Display Cards
- ❻ CT 20" Computer Monitor
- ❼ Keyboard and Mouse
- ❽ CT Rotation Stage (shown with one of the sample holders in place)

Not Shown: Connection cable from control unit to rotation stage and workstation for computer

Option

- **QuickView CT Module**
 - Allows the fastest acquisition of the multiple 2D x-ray images required to produce CT models
 - Enables quick preview of CT analysis prior to longer, more averaged, image acquisition
 - Optimises workflow

