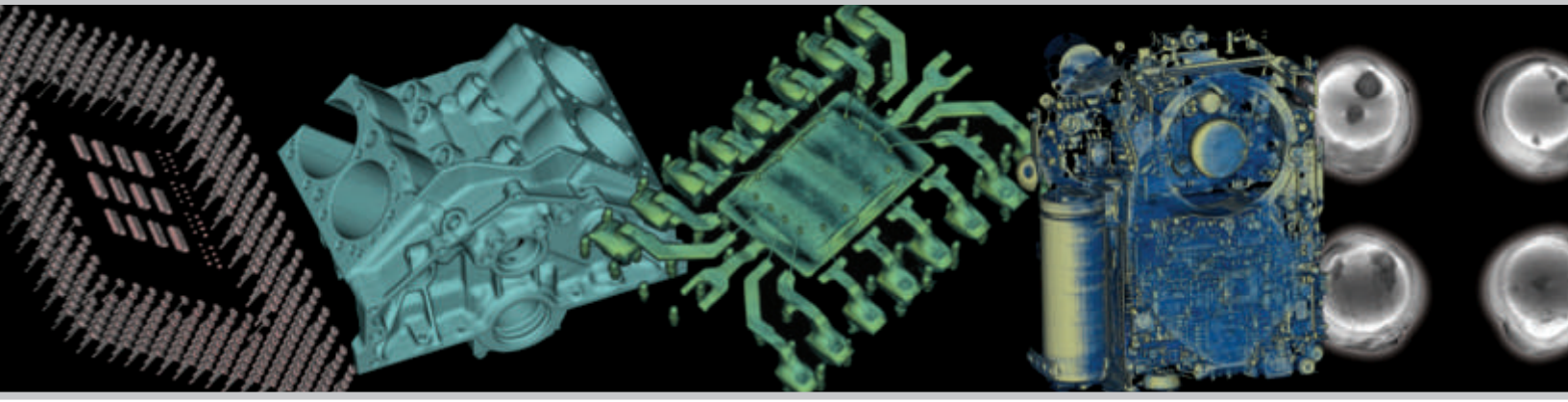
ReconVIS

A 3D RECONSTRUCTION AND VISUALIZATION WORKSTATION



Powerful Image Reconstruction with 3D Visualization

ReconVIS workstation features:

ReconPro CT Reconstruction Solution

- PX-230AX, Image Reconstruction Board
- Cone Beam Reconstruction Application Software (CBR)

iView Visualization Workstation

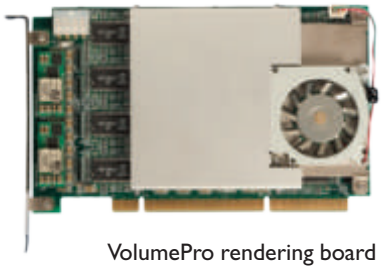
- VolumePro, Volume Rendering Board
- i-View 3D Imaging Workstation with 2D and 3D imaging tools

ReconVIS is a powerful solution that delivers high performance 3D visualization with fast 3D tomographic image reconstruction on a single computer. It runs on the Windows based operating system, and it is applicable for large-scale data handling for volume reconstruction and volume rendering at high speed.

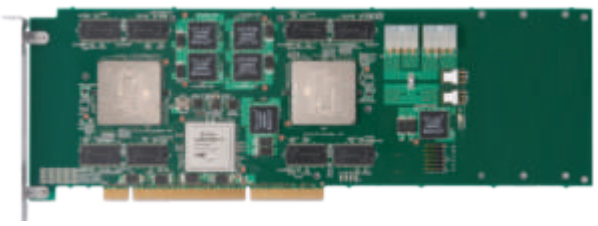
ReconVIS simply integrates to any type of CT imaging system to bring out high resolution 2D and 3D CT images with exceptional quality within a very short amount of time.

ReconVIS uses PreXion's proprietary XTrillion processors on its reconstruction boards for fast reconstruction, and patented VolumePro board for quick volume rendering.

ReconVis Workstation



VolumePro rendering board



ReconPro Board (PX-230AX)

PreXion

ReconVIS

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ReconPro CT Reconstruction Solution

PX-230AX Board

- PCI 64/66 interface
- 2 custom ASIC processors on one board
- 1 GB shared on-board memory

Cone Beam Reconstruction Application Software (CBR)

- Feldkamp CBR algorithm
- Offset and detector rotation correction
- Fixed point implementation
- Linear interpolation
- Customizable preprocessing

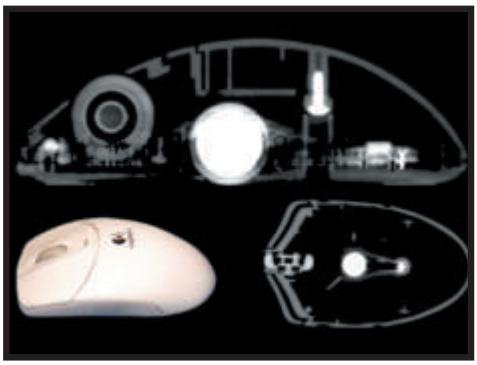
i-View Imaging Workstation

VolumePro Board

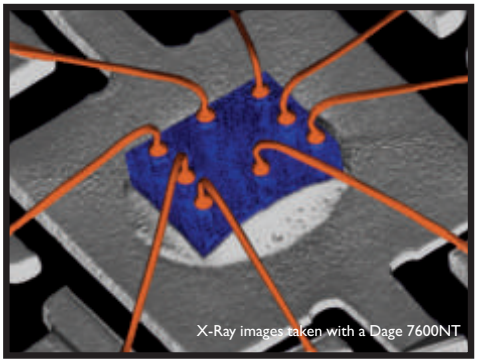
- PCI 64/66 or 32
- 2 GB to 4 GB on board memory
- 512x512x512 volume displayed in real time

I-View Software

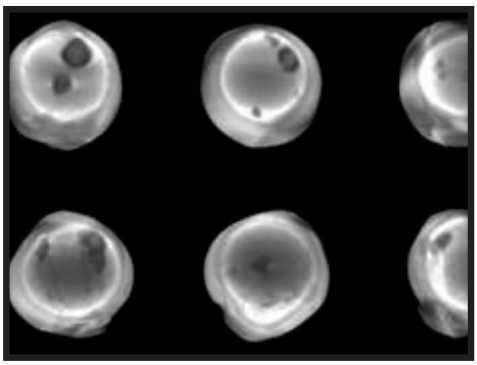
- 3D volume rendering with superior image quality
- Advanced segmentation tools
- Axial, 3D, MPR,/MIP and Perspective views
- Measurement tools for distances and segmented volumes



CT images of a PC mouse



CT image of a chip showing wire and silicon bonding



CT image of a BGA set with air voids visible on the solder balls

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