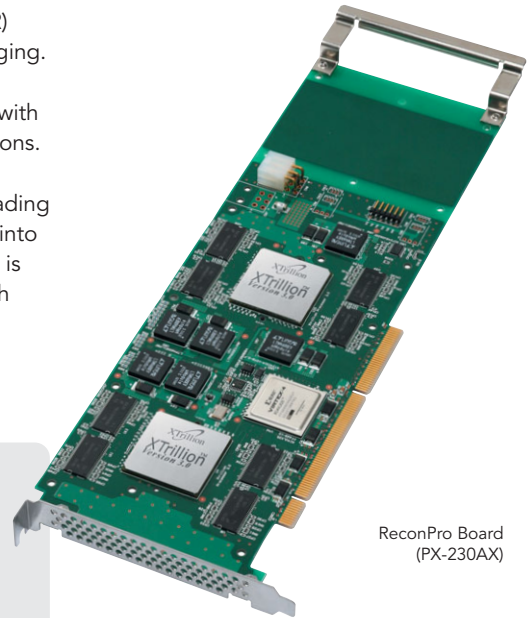


ReconPro

Hardware Accelerated 3D CT Reconstruction Solution

ReconPro, PreXion's new hardware-based cone beam reconstruction (CBR) solution, delivers fast, high-performance image processing for 3D CT imaging. Each image reconstruction board has two of PreXion's new proprietary XTrillion 3.0 processors, providing 32-bit floating point processing power with superior image quality for large scale, high speed cone beam reconstructions. A standard ReconPro package includes two image reconstruction boards. Multi-board systems, using up to 16 boards in a single system, provide leading performance in fields where massive data volumes need to be processed into high-resolution CT images. An important advantage of fast reconstruction is the support for raw data storage and immediate image reconstruction with parameter changes on the fly.



ReconPro Board
(PX-230AX)

ReconPro Features

- High-performance image processing
- Fast cone beam reconstructions
- Feldkamp algorithm
- Reconstructs 512^3 , 1024^3 , and 2048^3 volumes
- True 32-bit floating-point operations on XT 3.0 processors
- 32-bit data format input / output
- Scanner-specific loadable configuration file
- Multi-board configuration for fast CBR

ReconPro Includes

- 1+ Image Reconstruction Boards (PX-230AX)
- CBR Software
- Software Development Kit (SDK)

X-Ray CT Scanning Services

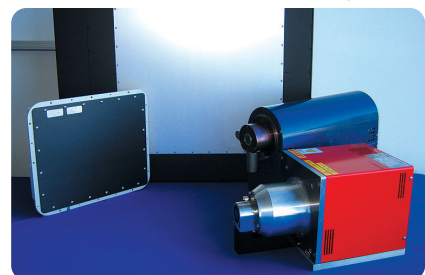
Scanning services utilizing our advanced in-house computed tomography systems for industrial inspection, detecting defects and faults, and for detailed high resolution 3D visualization is now available from Visionary Systems of PreXion.

Our advanced imaging service offers the benefits of high resolution X-ray CT, enhancing traditional 2D NDT inspection techniques through full 3D volume visualization.

The scanning results are available in raw file format (up to 2048^3) or DICOM file format. Lead time is dependent on the object size* and the project scope.

*Maximum object size is 8" (W) x 8" (D) x 8" (H)
(200 mm x 200 mm x 200 mm).

Flat panel detectors and micro-focus X-ray tubes that are used in our scanning services.



Scanning service includes

- Customized setup
- High resolution 3D CT scanning with micro focus x-ray sources and flat panel detectors
- 2D slice and 3D rendered volume images in BMP and JPEG format
- Data sets archived on CD or DVD
- Custom in-house machine shop