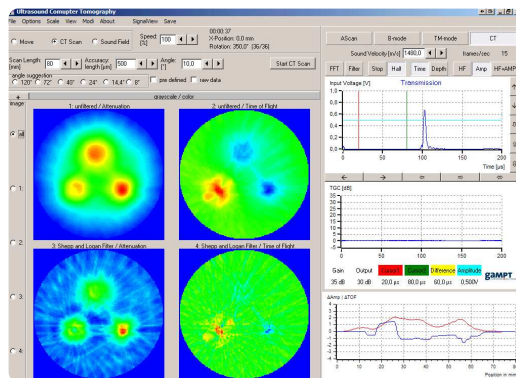


CT-Scan Computed tomography is a Computerized Axial Tomography (CAT Scan), that makes use of computer-processed combinations of many X-ray images taken from different angles to produce cross-sectional (tomographic) images (virtual 'slices') of specific areas of scanned image. In Scientech 10E CT Scan monitor we are using Ultrasound instead of X-ray, because Ultrasound is not harmful for study purpose. Software for analysis of images is included.

Features

- Easy to use.
- Specially designed for educational purpose
- Capable to produce the images of both hard and soft tissues
- PC interface facility
- Original ultrasound wave real time processing in CT-Mode and B-Mode
- Micro controller based electronic design
- Software for analysis and post processing measurements

Software window



Technical Specifications

Technical Data (Control Unit)

- Linear Movement= 400mm,Resolution<10 micro meter
- Speed Max. : 18cm/min
- Rotation : 360 Degree
- Resolution : 0 to 225 Degree
- Speed Max. : 1 Rotation/Sec.
- Size : 500X400X200mm

Technical Data (Scanner)

- Output : 3X Stepper motor control, bipolar,5V, 2A max, 6X limit switches
- PC interface : Serial communication
- Main Voltage : 90-230V, 50/60Hz
- Power of electricity : <50VA
- Size : 250X180X170mm

Echoscope

- Measuring Modes : Reflection And Transmission
- Transmission level : 0 -30 dB
- Gain : 0-35 dB
- TGC : 0-30dB, Threshold, slope, wide, start
- Output : Trigger, TGC, RF Signal, A- Scan

Ultrasonic Probe

- Ultrasonic Probe frequency = 2MHz