Scientech
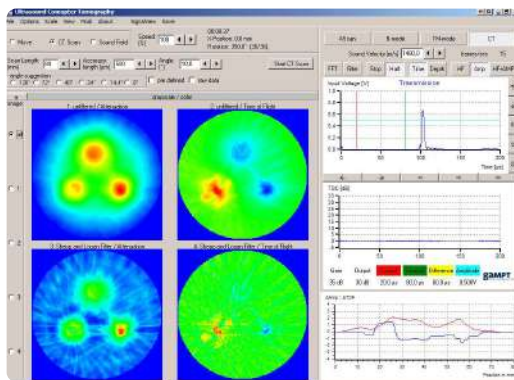

CT-Scan Computed tomography is a Computerized Axial Tomography (CAT Scan), that makes use of computer-processed combinations of many X-ray images taken from different angles to produce cross-sectional (tomographic) images (virtual 'slices') of specific areas of scanned image. In Scientech 10E CT Scan 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 electrocity :   <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

Ultrasounic Probe

- Ultrasounic Probe frequency = 2MHz

Subject to Change