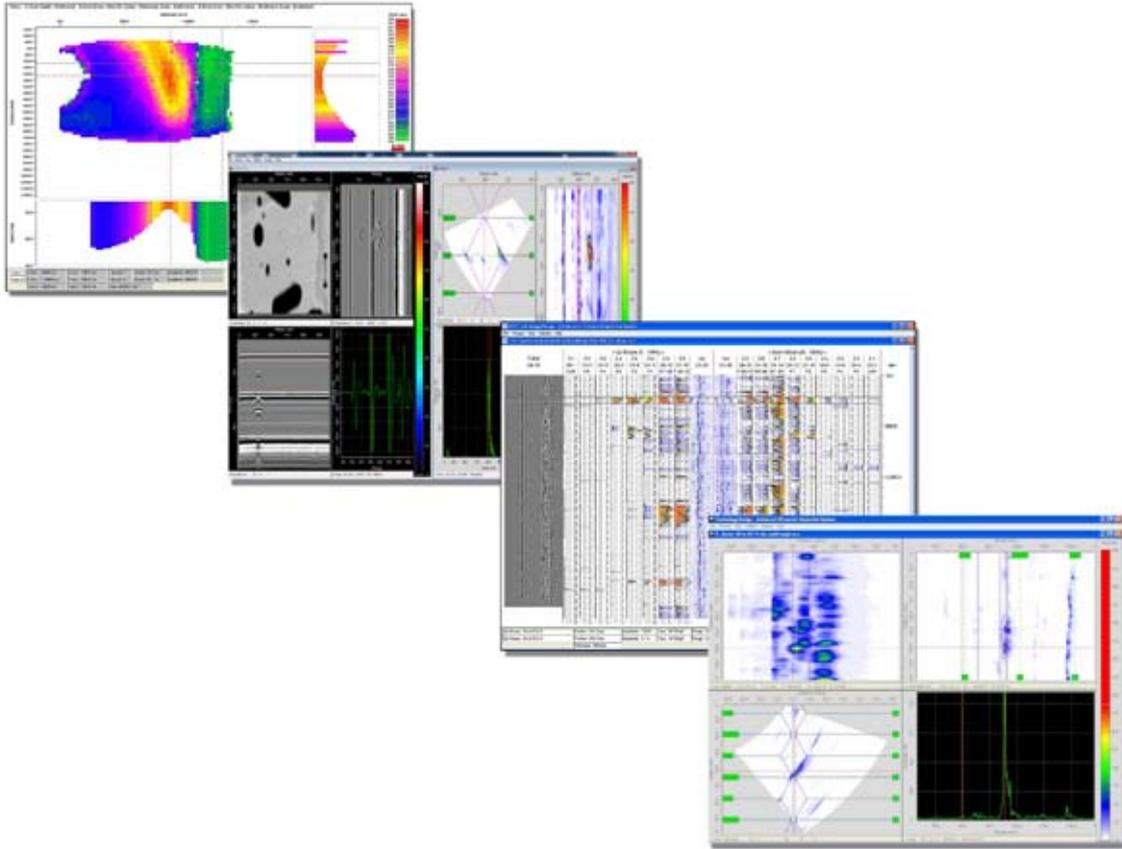




## TD Scan Software - Multi-Function Ultrasonic Inspection Systems



### Features

- Intuitive user friendly menus
- Powerful, easy to use analysis tools
- Fully integrated TOFD, Pulse Echo and Phased Array
- One software suite for all instruments in the TD range
- Real-time A, B, C, D & S-scan imaging
- Weld geometry overlays
- TD Super-View for complete user controlled imaging

### Techniques

- Phased Array
- ToFD
- Pulse Echo
- Corrosion Mapping

### Applications

- Pressure Vessels Welds
- Pipeline Welds
- Structural Welds
- Forgings & Castings
- Turbine Disks & Blades
- Aircraft Components
- Hydrogen Damage Surveys
- Corrosion Surveys

### Software

- Phased Array/Pulse Echo
- ToFD
- Strip-Scan
- Long Range (Creep Wave & Corrosion Mapping)
- TD Super-View®

*E&OE - All specifications are subject to change. It is advisable to check all information provided.*



TD Scan Software Specification & Features

## Software

### General Features

- Simultaneous Phased Array, ToFD & Pulse Echo data collection
- Operator definable weld geometry overlays
- Real-time A, B, C and D-Scan images, with user defined display modes
- Internal report generation including interactive print-preview & user-definable report fields
- Full cursor analysis indicating peak depth, amplitude and x,y position
- Export Bitmap images to any Windows application
- 8 or 14 bit Data collection (Phased array/Pulse Echo/ToFD)
- Import ESBeamTool® setups

### Phased Array

- User configurable control of beam angle, focal distance and spot size
- Fixed-angle electronic or sectorial scans
- Dynamic Depth Focusing (DDF) provides a user-definable focal range
- 2000 Focal laws
- Supports linear probe/wedge geometry
- Normalisation of amplitude across sectorial scan angles or fixed angle focal laws
- Beam Apodization
- Skip Correction provides correct depth/range relationship for multiple legs

### Pulse Echo

- Independent control of transmit and receive parameters
- C-scan with end views for corrosion mapping
- Trigger reference modes including Interface Echo or Tx Pulse
- Multiple peak data storage modes, including full/selective A-Scan storage

### ToFD

- Perform multi-channel TOFD and Pulse Echo inspections simultaneously
- Full suite of image analysis tools for defect/crack sizing
- Real-time multi-channel averaging significantly improves signal quality
- Linearization, Straightening, Synthetic-Aperture-Focusing-Technique (SAFT)
- File utilities include file join, split, reverse, save partial, output data to text file etc.

### Weld Zone Discrimination

- Combined TOFD, Time/Amplitude view, Map view, Couplant Check & Go/No-Go in a single pass
- Inspection data displayed as strips indicating weld zones
- Integrated TOFD analysis
- Automated report generator

E&OE - All specifications are subject to change. It is advisable to check all information provided.