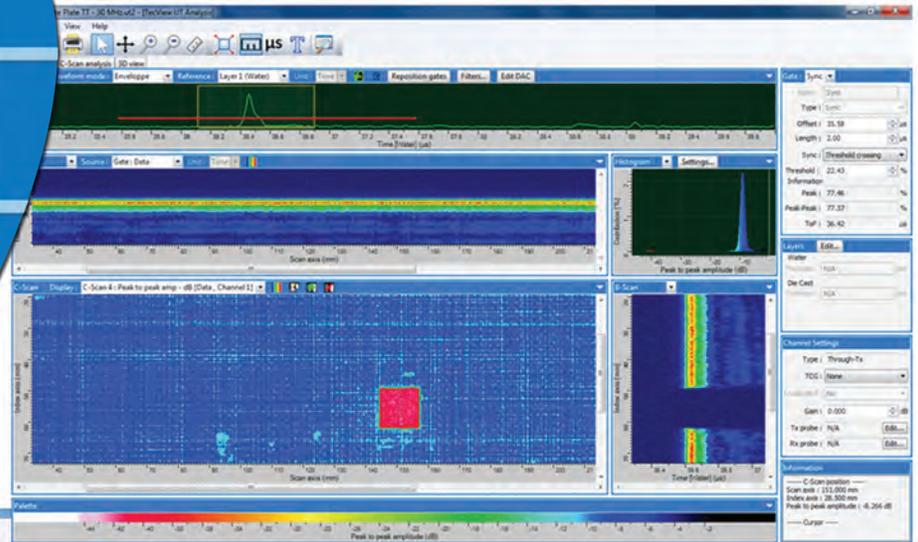


TECVIEW™ UT

TecView™ UT is a Windows® based software specifically designed for Ultrasonic inspections and C-Scan imaging. This user friendly software helps manage the entire NDT procedure, all the way from scanner motion control to data acquisition and analysis.

www.tecscan.ca

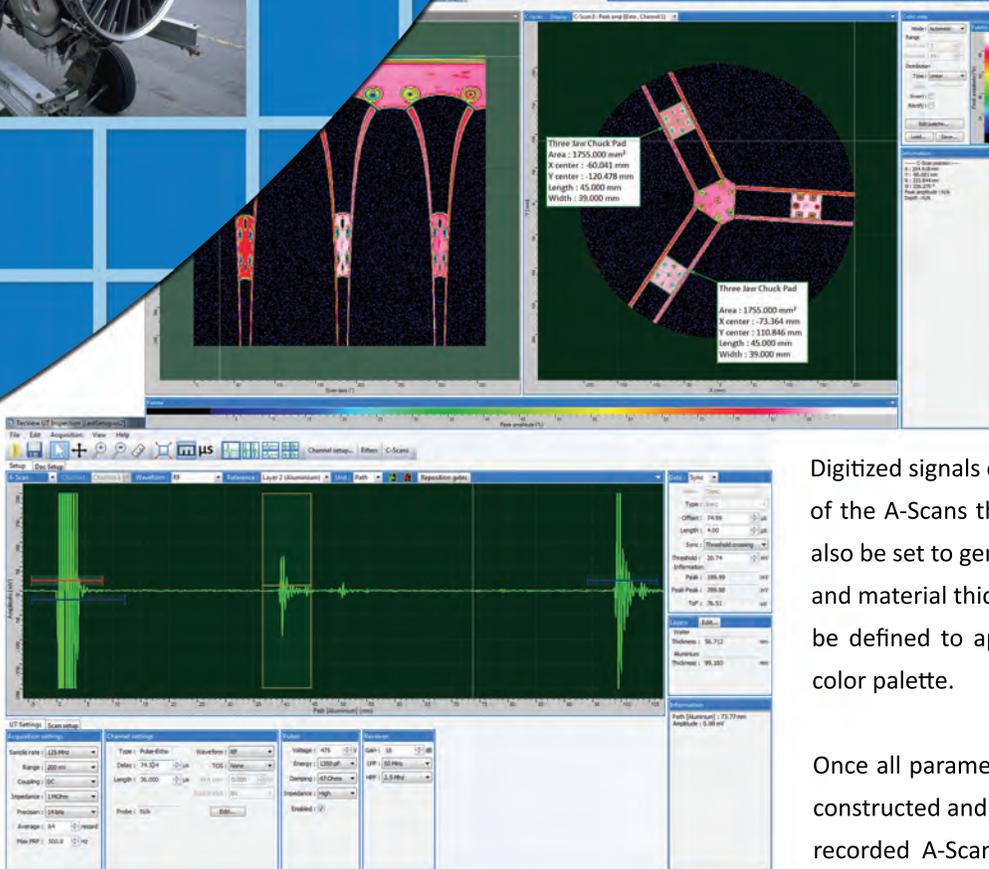


Data Acquisition

The acquisition module helps in setting up scanning parameters, the control of transducer motion and the setup of the inspection parameters. This module has the capacity to control up to 12 robotic axes, allowing for a multitude of scan configuration possibilities, including curved surfaces.

Digitized signals can be gated to synchronize and record the parts of the A-Scans that are of interest. Multiple detection gates can also be set to generate C-Scans of defect amplitude, defect depth and material thickness. Distance amplitude curves (DAC) can also be defined to apply a time corrected gain or to normalize the color palette.

Once all parameters are set and the scan is started, C-Scans are constructed and displayed in real time. At the end of the scan, all recorded A-Scans are saved in a file along with 100% of the scanning parameters further analysis.



Imaging and Data Analysis

TecView™ C-Scan Display & Processing

Up to 16 different C-Scans can be obtained and displayed using amplitude, time-of-flight (depth) or layer thickness measurements. When required, regions of interest can be selected and saved in a different file to be analyzed separately.

A, B and D-Scan representations are available and displayed along with the C-Scan images during data analysis and can be animated by simple movements of the mouse. In addition, FFT, Histogram and 3D displays can be used to further analyze the results of the inspection. Defect measurement and statistics as well as text annotation tools can be used to quantify and comment defect detection.

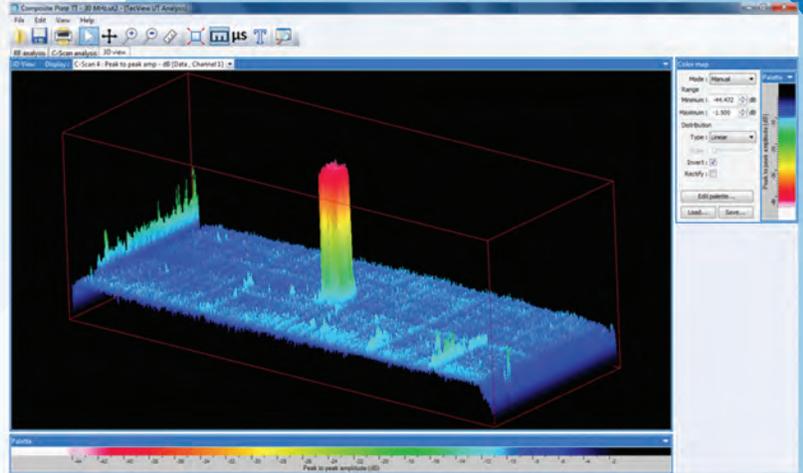
To increase the software's versatility, units can be selected from various metric or imperial choices. At the end of each analysis, a custom inspection report can be printed using the TecView™ UT report generator utility.

TecView™ Scan Patterns

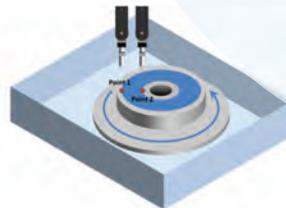
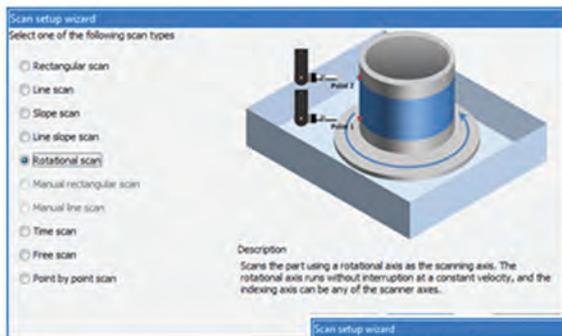
Ten (10) different scan patterns are available to perform automated scans on various part geometries. Rotational & Point by Point Scans can be easily selected from scan setup menu.

TECVIEW™

3D Analysis Module



C-Scan data can be displayed in 3D projection for a better illustration of the detected defects.



SOFTWARE FEATURES

- Intuitive user interface
- Full waveform acquisition
- Motion control up to 12 axes
- Inspection, Imaging and Analysis modules
- Live display of A, B and C-Scans
- Inspection report generator
- Supports Phased Array Testing

- C-Scan gating capabilities (up to 16)
- Inspection of inclined surfaces
- DAC curves, TCG & BEA controls
- Defect measurement and analysis tools
- Histogram analysis
- Annotations tools
- Data export, csv, dat
- ROI C-scans export