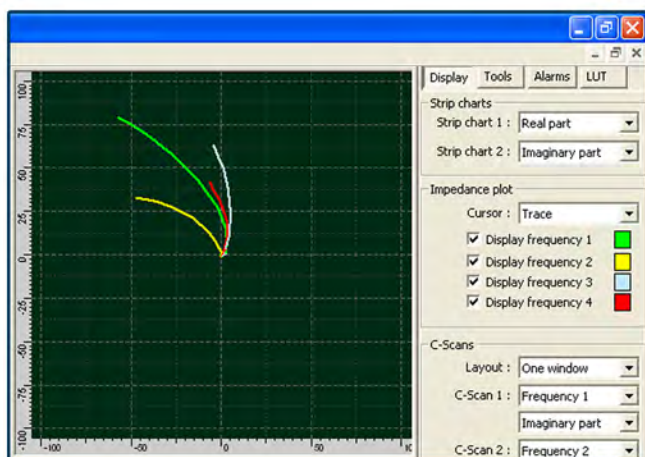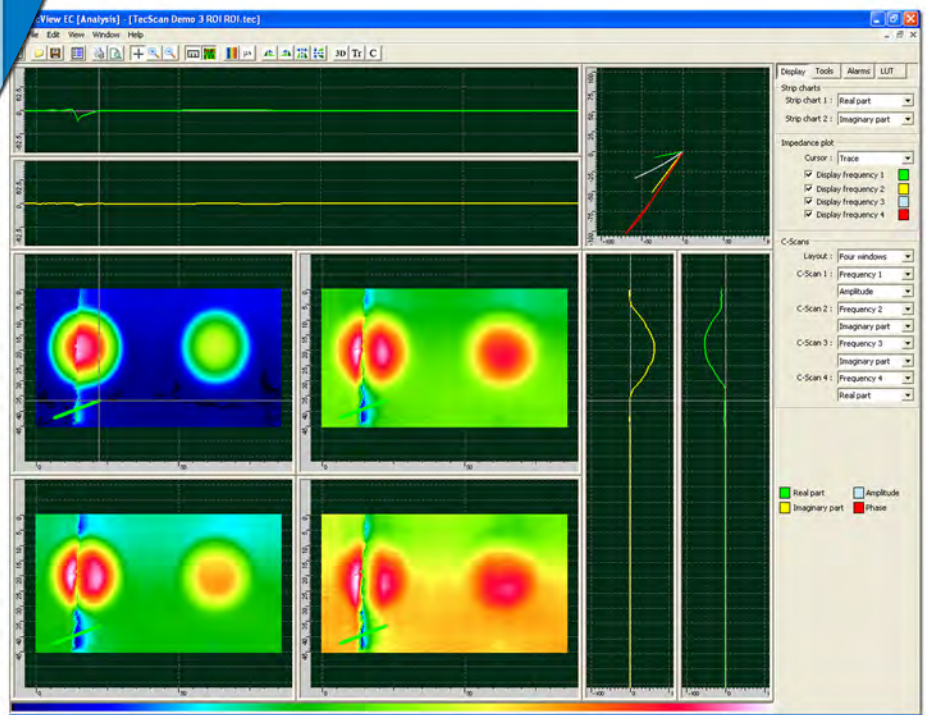# TecView™ EC

TecView™ EC is a user-friendly software specifically designed for **Automated Eddy Current Testing**. With its intuitive interface, it handles the whole NDT process from start to finish.

This Windows® based software performs the tasks of data Acquisition, Analysis, Imaging, Interpretation and robotic motion control. In addition, TecView™ EC is compatible with most of the existing standard Eddy Current equipment and file formats.

Data Acquisition

This module aids the user in the setup of all scanning parameters, from scanning motion to eddy current unit settings. In addition, it can manage and record data from multi-frequency units, which can be plotted on an impedance plane where different types of alarms can be set at once. During the scan, C-Scan images, impedance plot, strip charts and triggered alarms are displayed in real-time.
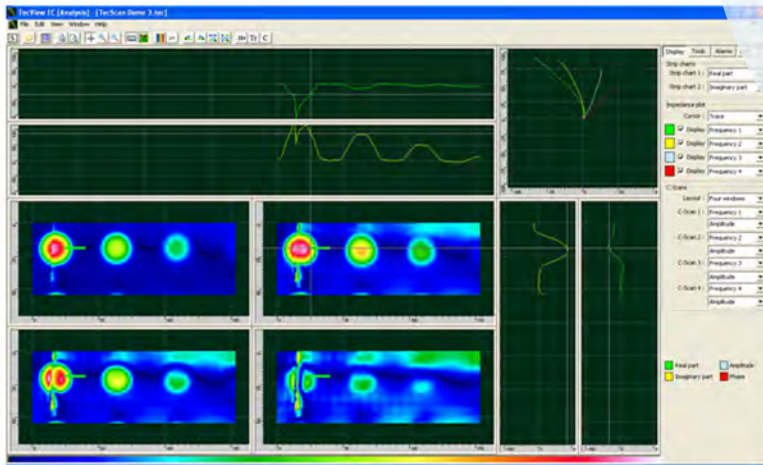
TECSCAN

Imaging and Data Analysis

The Analysis module provides the user with tools to analyze the recorded Eddy Current data. While C-Scans can be displayed based on different amplitude and phase combinations, software functions such as phase rotations and re-nulling allows refining the C-Scan image. Furthermore, TecView™ EC makes it easy to display relevant impedance plots, strip charts and triggered alarms by a simple movement of the cursor along a C-Scan section. Additional functions such as a SNR evaluation contribute to the versatility of the analysis module.

TecScan'S team developed the TecView™ software bearing in mind versatility and efficiency. To achieve these goals, the software has a reporting utility that can generate and print custom inspection reports that make information sharing easy.
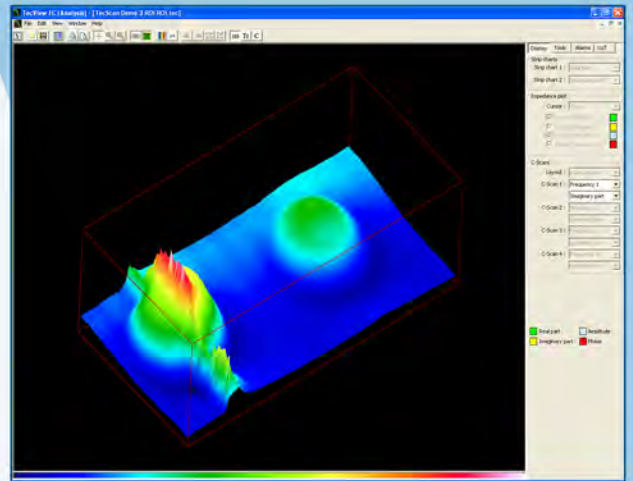
3D Analysis Module

Image filtering tools as well as 3D projections are included in the analysis module to enhance image presentation and help illustrate the detected defects.

Impedance Plots

Plotting the impedance in TecView™ EC is an easy task. The software can display multiple frequency & impedance components, such combination increases EC analysis capabilities.

TECVIEW EC IN A NUTSHELL

- **Complete multi-tasking software**
- **Intuitive user interface & menu**
- **Multi frequency capabilities**
- **Real-time C-Scan display**
- **Real-time Impedance and Strip Charts**
- **Live Alarms utilities**

- **Imaging & Analysis modules**
- **Impedance plot and Vector mode**
- **Multiple C-Scan and Strip Chart representations**
- **C-Scan enhancement utilities**
- **Image processing utilities**
- **Reporting capabilities**