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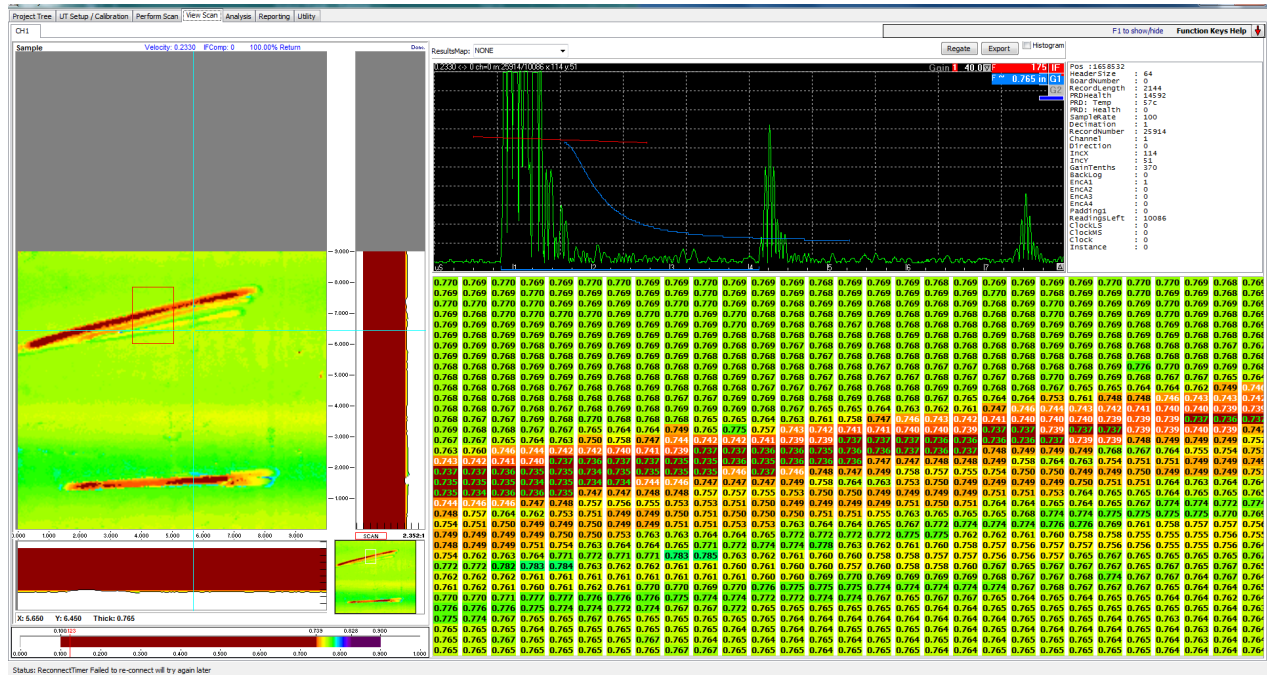Fax: (903) 234-2033

ScanTech

Analyst XR™

C-Scan Corrosion Mapping Software

ScanTech's XR Spider and XS "Switchgear" scanner systems are compatible with the *Analyst XR™* software. *Analyst XR™* software is designed with the user in mind and allows for easy navigation through the setup, analysis, and reporting. The software includes a calibration wizard to guide you through the process, and also provides automated data acquisition and analysis.

Data can easily be re-gated after it has been collected creating a smooth, clean scan. Re-gating is as simple as clicking and dragging the gate to the new desired position, and modifying the length, height, and curvature. Multiple scans can be stitched together to generate a 3D corrosion model of the entire vessel or pipe. The 3D model can be exported to an external viewer to be viewed by a customer or to be further analyzed. Reports can be customized for each job and templates can be created for automated reporting. *Analyst XR™* is incredibly powerful software that was designed to be intuitive and user-friendly, so you can spend less time learning and more time working.

System Features:

> Optimize data return with a proprietary curved gate

> Generate a 3D model of scan data and export to external viewer

> Re-gate scan data after the scan is complete

> Perform B31G analysis on scan data with automated analysis

> Customize reports and create templates for each individual job

> Export a table of the min, max, and mean thickness of each scan

Industry Solutions for Ultrasonic Automation

Reporting: Generating reports is fast and easy with the *Analyst XR™* Software. You can create and save templates that are unique to each job to efficiently produce repeatable reports. You can drag and drop different elements such as scan data, screenshots, minimum points, textboxes, and logos onto the report. All of the fonts, colors, and sizes are customizable, so you can meet the specific needs of your customers.

3D Modeling: A 3D model of the pipe or vessel can be generated from the scans. The software will automatically stitch together a series of scans to create the model.

Re-gating: The re-gating function allows a single point, region, or the entire scan to be re-gated to eliminate interference and get the most accurate scan map possible. The gates are easy to manipulate and can be altered simply by clicking and dragging. The length, height, and curvature can also be adjusted to create the most effective gate.
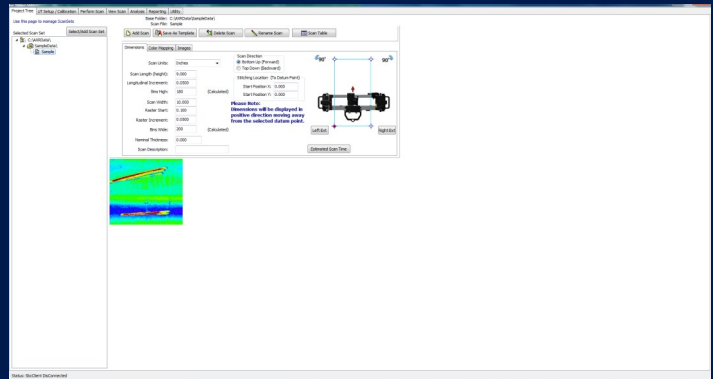
Real-time view: As the scanner is mapping the corrosion, the data appears on the screen in real-time. This allows you to monitor the data and make adjustments to the gain during the scan.

Minimum Points: *Analyst XR™* automatically scans a grid of data to find the thinnest point on the vessel. It searches for multiple points grouped together with similar thinness, so that single data points that are outliers are not considered. You can also scroll through the minimum points using the function keys and can save screenshots of the thinnest values to be used in the final report.
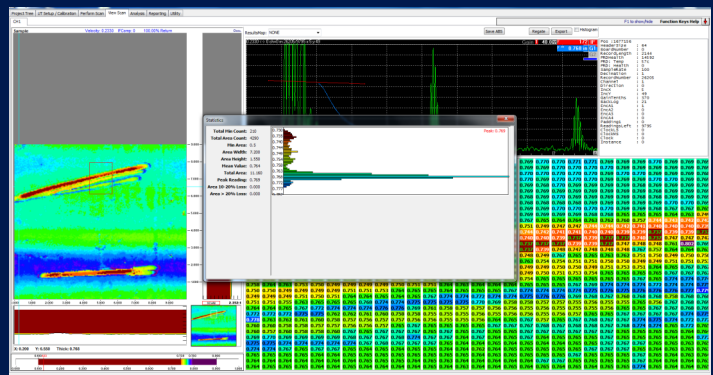
Repositioning: When a scan is in progress, the scan can be paused and resumed. If there is an obstruction, the scanner can be repositioned and will resume scanning at the new position.
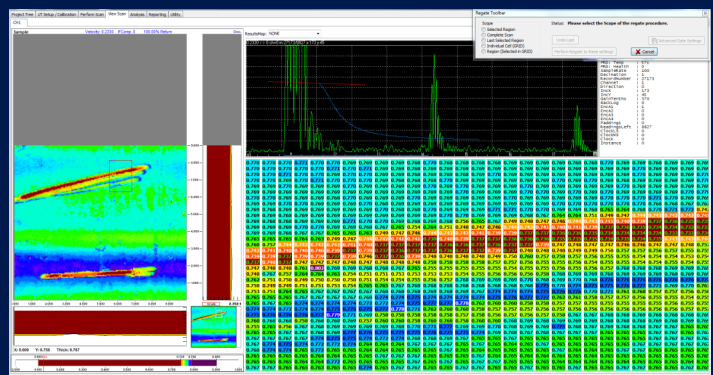
System Requirements

OS	Windows 10/8.1/8/7 (32 and 64-bit)
Processor	Any Intel or AMD x86-64 processor
RAM	4 GB (8 GB recommended)
Disk Space	1 TB (minimum recommended)
Graphics	No specific graphics card required

Setup: After setting up the scan dimensions initially, scan settings are saved so you can efficiently complete a set of scans.

Analysis: A histogram of the selected data shows you what thicknesses are present in the sample.

Re-gating: Making your data smooth and clean is simple with the option to re-gate individual points, selected regions, or the entire scan.

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