C SCAN

Powerful CScan Software

UTEX SCIENTIFIC

IW CScan is simple, flexible and productive NDT software.

Start scanning in minutes with an intuitive control panel that manages your instruments and simplifies the inspection setup.

Simple: IW CScan has a clean interface, with intuitive menus and quick access controls. Acquisition, motion and scan setup share consistent easy to learn workflow, allowing for easy navigation with no memorization. The easy to read status and motion panels keep you updated on critical system information, while the A-Scan and C-Scan panels let you focus on the signals and images.

Flexible: IW CScan supports a wide range of ultrasonic, eddy current and analog instruments including conventional, phased array, and FMC /TFM.

Productive: Designed to make scanning effortless. The quick setup menu shows just what is needed to get the job done, accelerating operator training, and reducing setup errors.

Easy migration: Ideal for new systems, upgrades and retrofits. Use the easy setup tools to deploy systems, reduce scanner downtime allowing you to return to production faster.

Legacy Compatible & Future Proof

Legacy instruments with analog output can be used to generate real time C-Scans, reducing overall cost of upgrading older systems, and eliminating lengthy reapproval processes.

IW CScan is powered by *InspectionWare*, enabling an easy upgrade path when increased automation capabilities or customization is required.

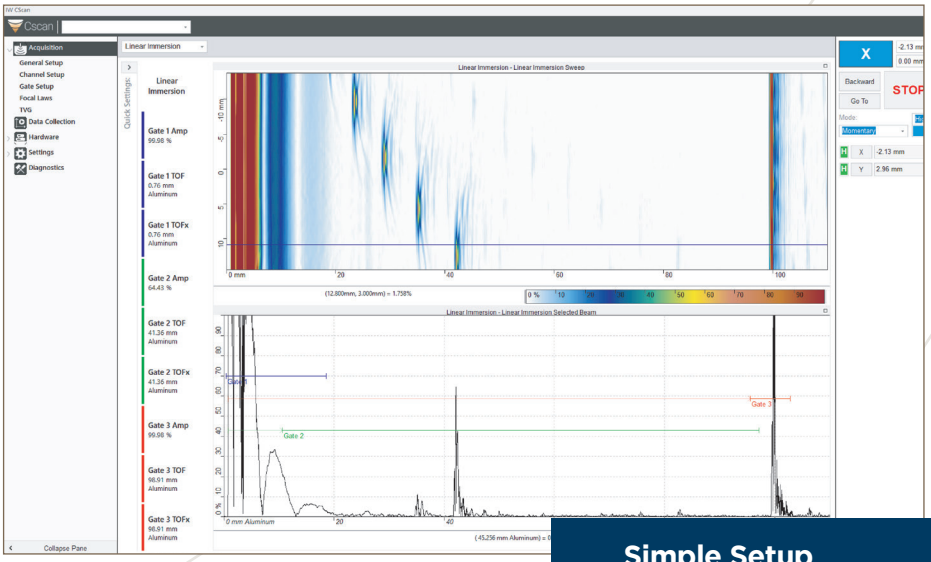
Contact UTEX to learn more about upgrading:
www.utex.com
+1-905-828-1313.

Everything that you need to run an inspection system in one integrated package.

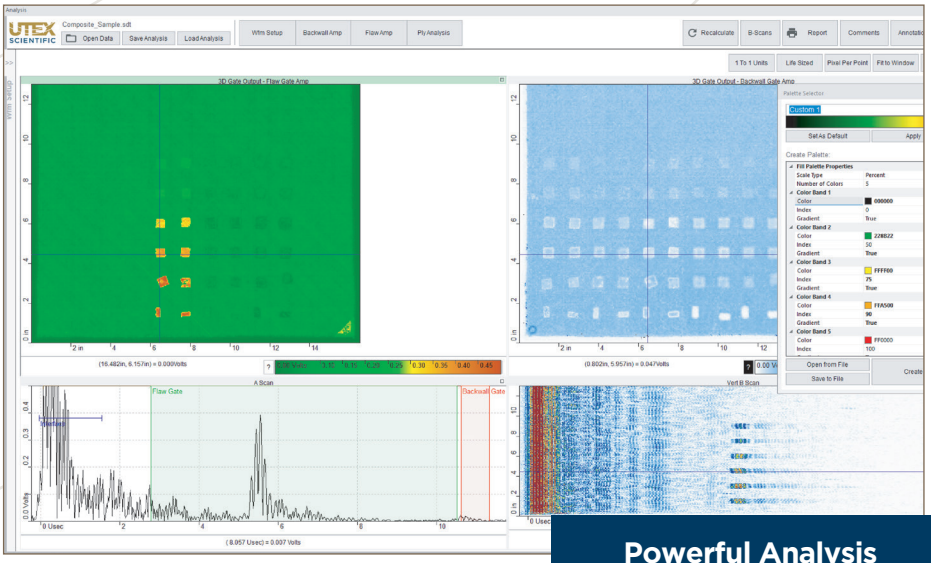
Data Acquisition IW CScan supports instruments from multiple manufacturers for techniques such as Conventional UT, Phased Array UT, and Eddy Current. IW CScan leverages your computer's native Graphical Processing Unit to render FMC/TFM data in near real time. Please see our website for the complete list of supported hardware. The list is updated frequently.

Motion Control IW CScan supports motor controllers from multiple manufactures. It performs standard scans such as raster, turntable, rotary, helical and paint brush. Additionally, one-dimensional contoured scans, two-dimensional contoured scans, and slopped axis scans are also available. Conveniently control and view the speed, direction and position of each axes. Easily configure, link multiple axes, set home position and monitor axis state. Track back to indications and rescan regions of interest with the click of a button.

Data Displays IW CScan supports all of the traditional NDT displays, including: A-scan, B-scan, C-scan, Eddy Current XY, Lissajous, Strip Chart, Volumetric, and Polar image presentation. Advanced viewers include a 3D waveform scan analyzer and a tomographic viewer that shows waveform C-Scans as depth slices. Analysis tools include drag and drop annotations and a convenient region of interest tool for statistical summary. Advanced palette creation and management tools are also available.



Simple Setup



Powerful Analysis

Image and Signal Processing Many inspections can be enhanced or improved by signal and image processing, especially if automation of data analysis is required. IW CScan automatically makes use of threaded execution using extra CPUs found on modern computers for faster signal processing. The analysis capabilities can be further augmented with InspectionWare's vast suite of signal and image processing tools. Please contact us for your custom analysis needs.

Hardware Supported in IW CScan

Please see our website for the complete list of supported hardware.
The list is updated frequently.

Instruments and Digitizers	Good To Know
Peak NDT MicroPulse LT, LT2, MicroPulse 5 and LTPA Multichannel Ultrasonic Instruments	No drivers needed PA and FMC channel count from 16/16 to 512/512 Conventional channel count from 2 to 64 Gigabit Ethernet for fast data transfer
Acquisition Logic Multi-channel and high-speed Digitizers	PCI Express and PCI cards with encoder inputs for high-speed trigger-on-position collection Rates of 100MS/sec to 3GS/sec and up to 2 channels per card
UniWest US454A, EVi and EddyView Family	Ethernet interface Fully automated remote control with 25,000 Hz sampling rate.
National Instruments Digitizers supported by the NI-DAQmx driver	Full range of point digitizers for legacy and new analog flaw detectors
UTEX Scientific UT340 Pulser Receiver	The reference square wave pulser receiver for bandwidths up to 150 MHz. Used with Acquisition Logic Digitizers
Olympus FocusPX	Scalable, Powerful and Rugged instruments equipped with Olympus' latest PA technology
QMI Sonda 007CX Airscan Instrument	Air-based UT inspection of metal bond, composites and honeycomb. Used with Acquisition Logic Digitizers or NI Digitizers.
Tecnatom-NDT FPR-8 / FPR 8-A / FTT2	Modular and distributed architecture for close proximity to transducers
Ultran Selected Configurations	Air-based UT inspection of metal bond, composites and honeycomb. On board digitizer included

Motor Controllers and Drives	Good To Know
Galil Complete range of DMC Ethernet and PCI motor controllers	Ethernet, serial and PCI interfaces Well priced and simple to use for up to eight axes of motion.
Aerotech Soloist, A3200	Ethernet and Firewire Interface, with control of up to 32 channels

Digital I/O and Multiplexers	Good To Know
Galil RIO Pocket PLC	Ethernet interface Array of digital and analog inputs and outputs for interfacing to PLCs and other factory systems
National Instruments Multiplexers supported by the MX driver	Moderate speed switching of large numbers of instrumentation signals while maintaining transmission line characteristics

About UTEX

UTEX develops software, instrumentation and mechanical systems for builders and users of advanced NDT systems. We serve clients in all sectors of the NDT market, including the leading manufacturers and inspection service providers in aerospace, oil and gas, power generation, and transportation industries.

Working directly with you, or together with our systems integration partners, UTEX can help with everything from retrofits of existing NDT systems to new inspection systems. Our applications are found everywhere, from simple two-axis scanners to specialized robotic systems. These applications are powered by InspectionWare - the only NDT software development platform.

UTEX Scientific

2319 Dunwin Drive, Unit 8
Mississauga, Ontario
Canada L5L 1A3
T: +1-905-828-1313
F: +1-905-828-0360
info@utex.com
www.utex.com