

TS-1000

IMMERSION Scanner

36" X 24" X 18"
(LXWXD)

LABORATORY IMMERSION SCANNER

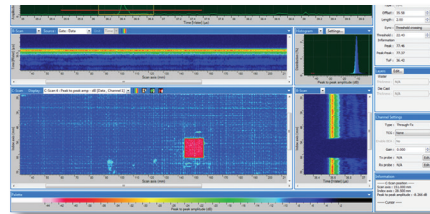
TECSCAN'S Immersion Scanners are versatile computer-controlled ultrasonic systems used for the Non-destructive Testing of materials. They range from small table top scanners all the way to large multi-axes scanners.

OUR IMMERSIONS SCANNERS are designed to be rugged, highly accurate and repeatable. A typical configuration consists of two motorized axes: X, Y and one manual Z. Additional axes such as manual Gimbal/Gimbal assemble & automated Z axis can be incorporated to the scanners.

HIGHLIGHTS

- Aluminium structure
- Acrylic tank
- TecView™ UT data acquisition/analysis
- UTPR-50 Pulser receiver
- 12 bit 125 MHZ A/D card
- Motorized XY axes
- Manual Z axis
- Remote access assistance
- Automated Z-axis (optional)
- Manual Swival/Gimbal (optional)

**TecView™
UT**



Typical Scanner Specification

Axis	Max Speed	Accuracy	Resolution (Per Step)	Repeatability
X	6 - 12" /Sec	± 0.012"/ft	0.001"	.004"
Y	8" /Sec	± 0.012"/ft	0.001"	.004"
Z	4 - 8" /Sec	± 0.012"/ft	0.001"	.004"



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Scanner Options

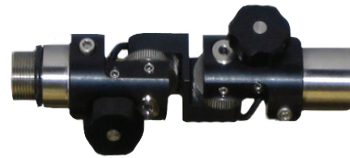
TecScan™ offers a multitude of optional equipment that can be used along with the immersion scanners to enhance their efficiency and improve the overall NDT process. All of these options work seamlessly with our TecView UT Software package.

Automated Z-axis (optional)



- Fully motorized Z-axis
- High Z-axis accuracy
- High Z-axis repeatability
- Standard UHF search tube

Manual Swivel/Gimbal (optional)

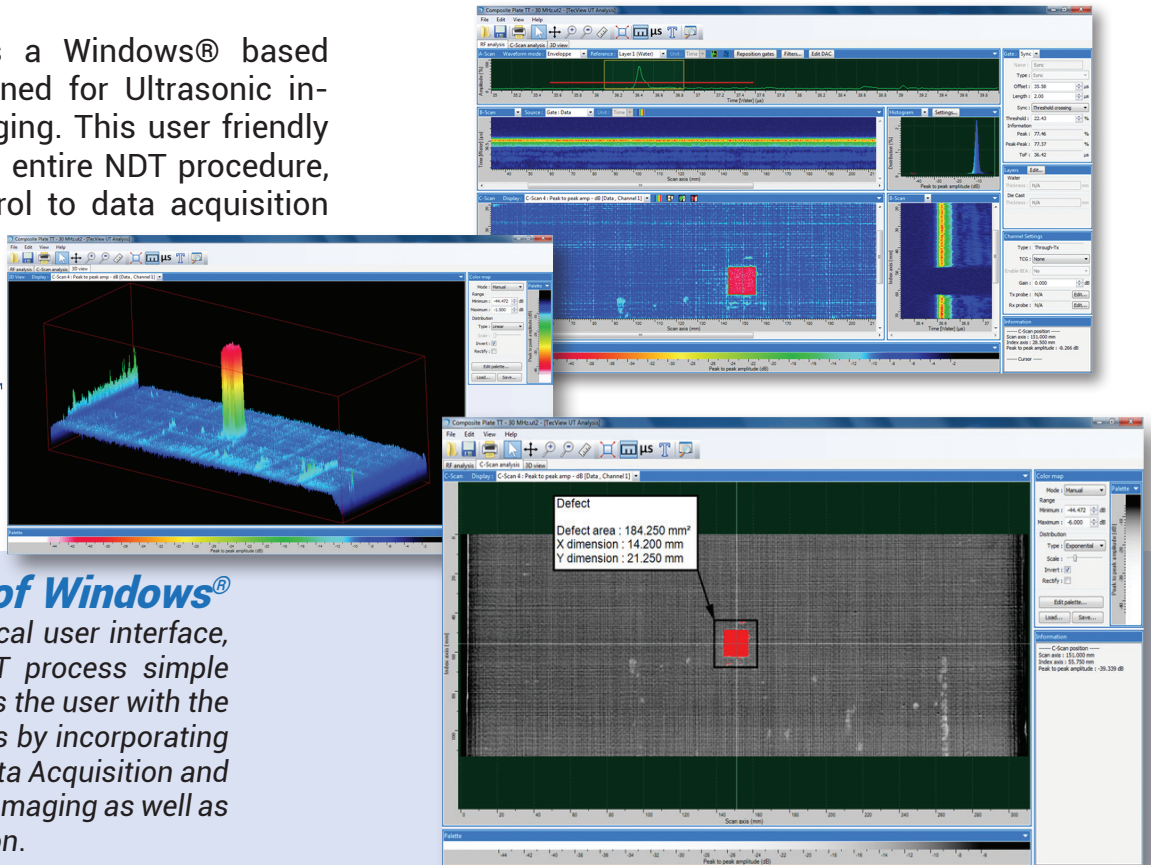


- Designed for laboratory environments
- Small and compact dual rotational axis assembly
- Adjustment knobs for accurate probe positioning
- Available with or without dial indicators

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, from scanner motion control to data acquisition and analysis.

**TECVIEW™
UT**



Combining the best of Windows® operating systems and graphical user interface, TecView™ UT makes the NDT process simple and rapid. The software assists the user with the setup of inspection parameters by incorporating different modules including Data Acquisition and Management, Robotic control, Imaging as well as Data Analysis and Interpretation.

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