

# TABLE-TOP SCANNER

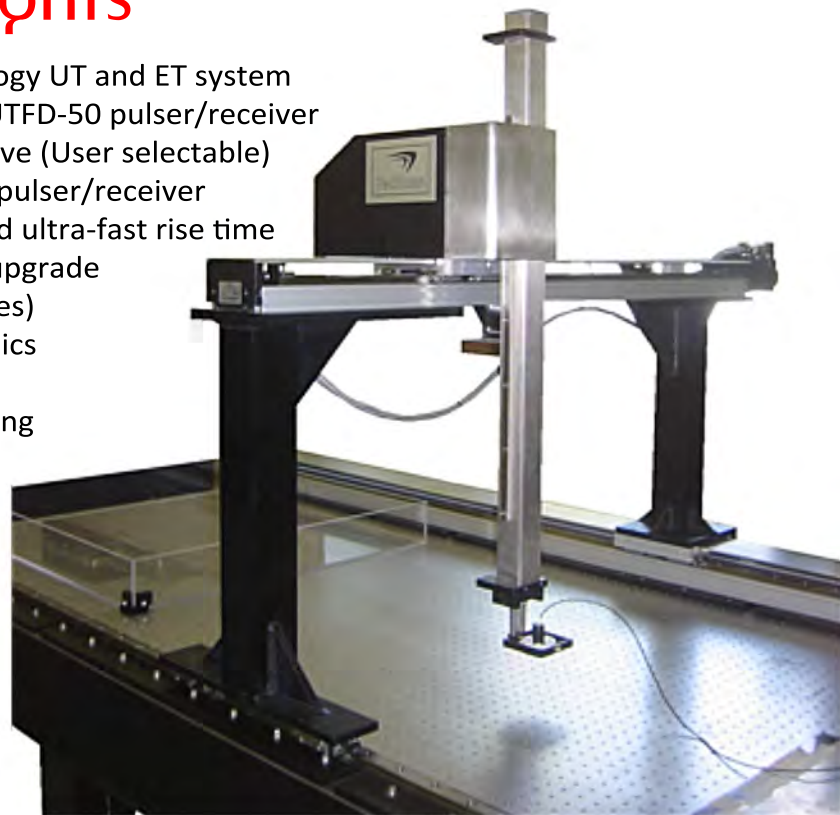
Our Table-Top Scanner consists of a versatile three axis (X-Y-Z) laboratory scanner specifically designed to perform eddy current, pulsed eddy current and ultrasonic inspections. The axes are mounted on an industrial grade table, ensuring high stability and rigidity. A spring loaded probe support is mounted on the Z-axis in order to ensure constant probe contact with tested samples as well as to permit contour following of curved surfaces during inspections. The scanner's elevated Y-axis bridge and its automated Z-axis enable the inspection of a wide range of sample sizes and shapes.

This Table-Top scanner can handle multiple nondestructive testing applications, ranging from research and inspection procedure development activities, up to industrial inspections for corrosion mapping, inspection of fasteners, multi-layered structures, and more.

[www.tecscan.ca](http://www.tecscan.ca)

## Highlights

- Multi-technology UT and ET system
- Multi-channel UTFD-50 pulser/receiver
- Spike or Square wave (User selectable)
- Up to 8 independent pulser/receiver
- Computer-controlled and ultra-fast rise time
- Modular design for future upgrade
- Motorized XYZ axes (up to 6 axes)
- Advanced motion control electronics
- Contour following scanning option
- Remote access assistance & troubleshooting



### Typical Scanner Specifications

Axis	Max Speed mm/sec	Accuracy mm/mm	Resolution (Per Step)	Repeatability mm
X	300 mm/sec	+/- 0.01/300	0.004 mm/step	0.05 mm
Y	300 mm/sec	+/- 0.01/300	0.004 mm/step	0.05 mm
Z	200 mm/sec	+/- 0.01/300	0.002 mm/step	0.05 mm

\*Scanner Specifications could be customized

75 De Mortagne Blvd., Suite 122, Boucherville, Quebec, Canada J4B 6Y4

T • 450 • 641 • 5876 | F • 450 • 641 • 5873



# Scanner Options

TecScan offers a completely integrated solution for our table top scanner solution. Industrial enclosure housing, all the required electronics, a workstation as well as our TecView™ software package. In addition, a multitude of optional equipment can be integrated along with the table top scanner. All of these options work seamlessly with our TecView™ suite. Some of these options include:

## Automated Turntable



- Stainless steel low-profile construction
- Available in many diameter size or capacity
- Motorized with 500 lbs up to 10,000 lbs centered load
- Optional high precision self centering three-Jaw Chuck

## Automated Gimbal/Gimbal



- Manual or Motorized Swivel/Gimbal and Gimbal/Gimbal
- Rotational Transducer Support
- Accurate Ultrasonic beam adjustment
- Eliminates the traditional encumbrance of UT inspections

## Manual Gimbal/Gimbal



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

# TECVIEW™

This user friendly software helps manage the entire NDT procedure, all the way from scanner motion control to data acquisition and analysis. In addition, our Table Top scanner can be customized to satisfy specific requirements.

# SCANNER UPGRADE

TecScan also retrofits outdated scanners. Our approach to upgrades is similar in practice to the construction of a new scanner as we update:

- The UT/ET and Data Acquisition Instrumentation
- The C-scan Imaging and Interpretation software
- The Motion Control Hardware

TecScan will perform complete verification of the electric and mechanical components.



TecView™ UT

