

# X-Y Scanner

Ultrasonic Immersion Tank

MARIETTA  
NDT



X-Y  
Scanner

Marietta NDT designs and manufactures a standard series of immersion tanks from small to large applications.

Our premium XY-Scanner systems are designed to meet the inspection requirements for large, heavy test parts up to 5000 lbs. with up to six fully programmable coordinated axes of motion. Heavy duty stainless steel water tanks are standard. A heavy duty, free standing manipulator frame unaffected by vibrations and loads from the water tank. The built-in horizontal rotary axis provides part rotation.

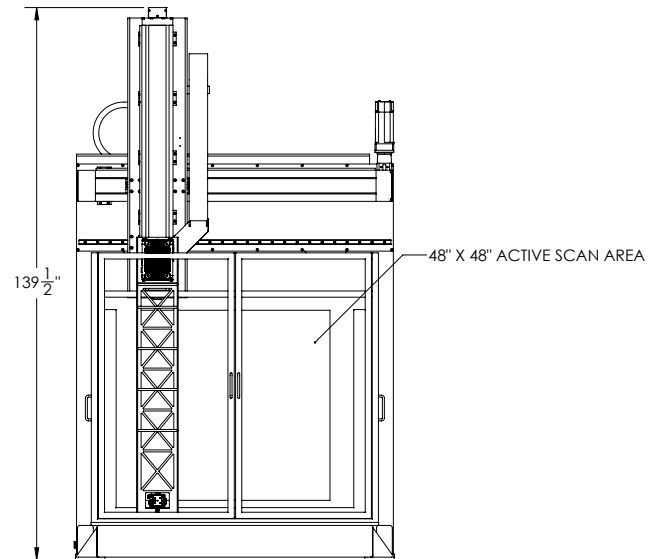


# X-Y Scanner

AUTOMATED NDT SYSTEMS

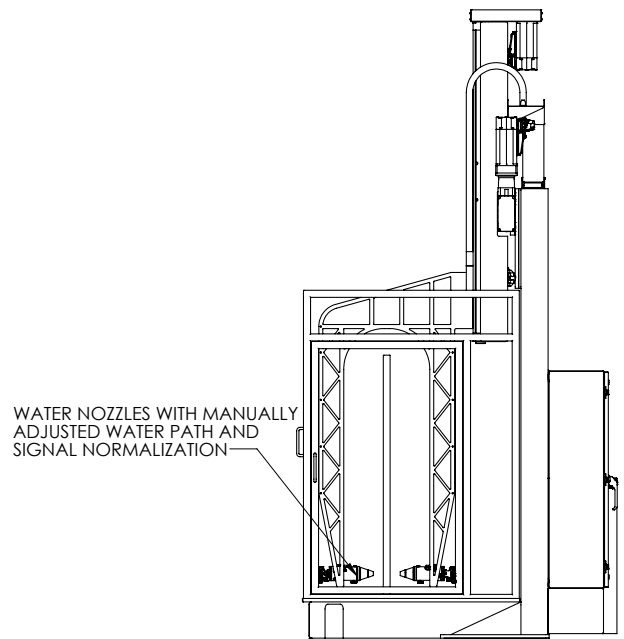
## Benefits

- Integral tank and frame requires minimal foundation prep and setup time
- Real time system display and controls provides an easy to use interface for operators
- Capable of scanning any shape part at speeds of 30in/sec
- Flexible fixturing options
- Integrated motion, acquisition and analysis software platform available
- Fully customizable interface with easy operator training and operation
- Adaptable to many ultrasonic instruments based on customer preference
- Optimized for Through Transmission or Pulse Echo scan modes



## Standard Features and Requirements

- UTEX InspectionWare platform allows highly flexible configuration and integration
- All motors have absolute encoding so position is never lost even after power loss
- Economical belt-drive x-axis manipulator
- High resolution tape encoders for scan and index axis
- User selectable scan and index axes
- Built in water pump and filtration system minimizes cleaning and water changes
- Cable carriers with separators to minimize RF noise and ensure high signal to noise ratios
- Acrylic windows around system for part viewing and easy setups
- Easy to use manual Gimbal/Gimbal setup on both squirter nozzles



**AUTOMATE**  
THE WAY  
YOU  
ULTRASOUND.

