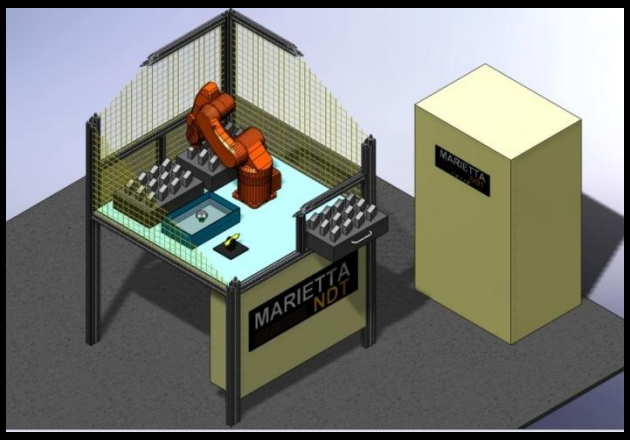
Custom Ultrasonic Solutions



Many times customers have unique non-destructive testing needs that are specific to their products. The depth of Marietta NDT's engineering and manufacturing gives us the ability to quickly design and manufacture custom one-of-a kind systems for those applications. In addition our strong working relationships with our system integration partners allow us broad technical advantages to support all systems after installation.

Marietta NDT UT Turbine Blade Inspection System Model 5-550

- Easily retooled and programmed for your part needs
- Integrated, self-calibration routine
- Integrated light curtain
- Unlimited program routines
- Configurable to many other applications that require multi-point testing

Marietta NDT Automatic Robotic UT inspection for medical devices and aerospace components

- Payload capacity from 5kg to 75kg.
- Optional laser scanning

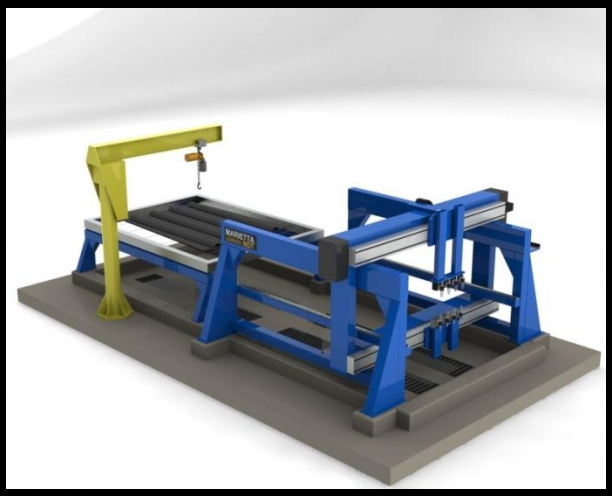
Marietta NDT Ultrasonic Scanning Cart (USC)

- Ultrasonic instrument
- Transducer plates can be configured with 16 or 32 probes
- Transducer beam overlap to meet your requirements
- TOFD or encoded position scans
- Individual compliant transducer sockets
- Can be used in direct contact or with delay wedge

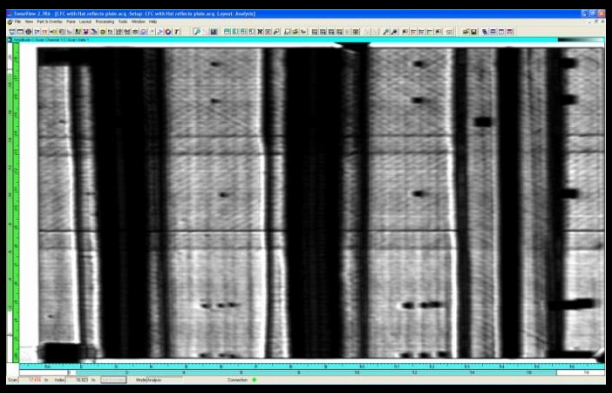
Phased Array Testing for Aluminum and Titanium Plates

- Unique combination of transducers for normal and shear wave testing
- Marietta NDT multi-scan software motion control interface
- Custom shoes and delay wedges

FBS Flat-Bed Scanners



Marietta NDT Flat-Bed Scanners are designed to meet your specific site requirements with either in-ground or above-floor tanks. Parts may be loaded from shuttle tables at each end or by overhead cranes. Multi-head nozzles reduce scanning time and provide faster through-put. Some applications may utilize phased array technology to provide higher probability of detection and implement beam steering focal laws to inspect abnormal shapes.



- Dual pulse and receiver X-axis bridges
- Dual Y-axis carriage assemblage
- Z-axis with gang head nozzles
- Independent adjustable nozzles to normalize signal
- Marietta NDT multi-scan programming software
- Region of interest rescan feature
- Includes all ultrasonic equipment , software, and water supply system
- All motors and encoders are fully compatible with the Marietta NDT motion controlled software

Additional Features:

- Dual cable carriers for the majority of the system to reduce RF noise and ensure high signal to noise ratios
- Linear axes have roller pinion rack and pinion drives with negligible backlash for outstanding positioning capabilities. Wear is reduced greatly from standard rack and pinion. Racks are segmented to allow for individual replacement and interchangeable for ease of maintenance.
- Linear rails have stainless cover strip over all mounting holes which prevent dust and debris from entering guide bearings and causing premature wearing
- Bosch Rexroth servo motors provide high performance and long life. Standard frame sizes chosen for part availability.
- Wittenstein gearboxes for precision and long life. Standard sizes for part availability.