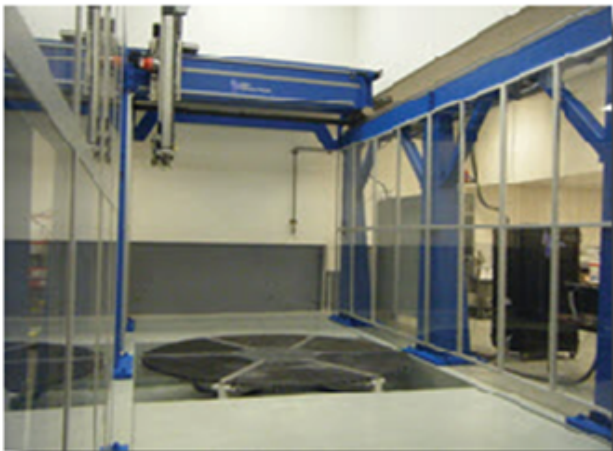




GANTRY ULTRASONIC INSPECTION SYSTEMS



GANTRY FEATURES

Matec's gantry systems feature robust industrial design elements tailored to meet the specific application requirements of our customers, including:

- Horizontal, vertical or flat bed type
- Up to 32 axes of motion
- Structural stainless steel tube construction with machined surfaces
- System dynamic ranges to 125 dB with logarithmic amplifiers
- Closed loop DC servo motor control
- Matec's in-house designed instruments and operating software
- Pulse echo or Through Transmission capable
- Fully integrated mechanical and electrical systems
- Packaged water storage, filtration, and delivery system with single or multi-squitter arrangements



Flat panel scanner



Horizontal gantries



Vertical gantry with optional turntable



Dual gimbals for true complex contour scanning

Turntable specifications

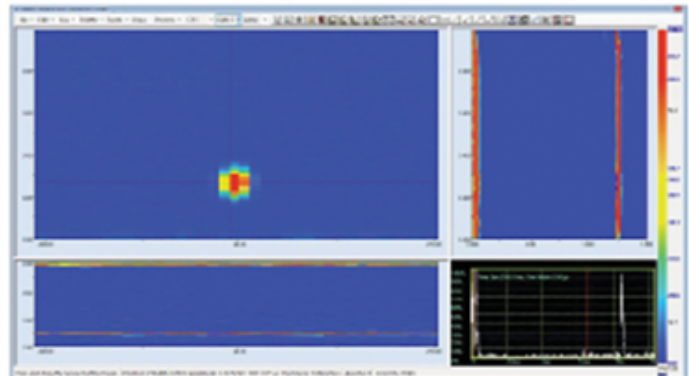
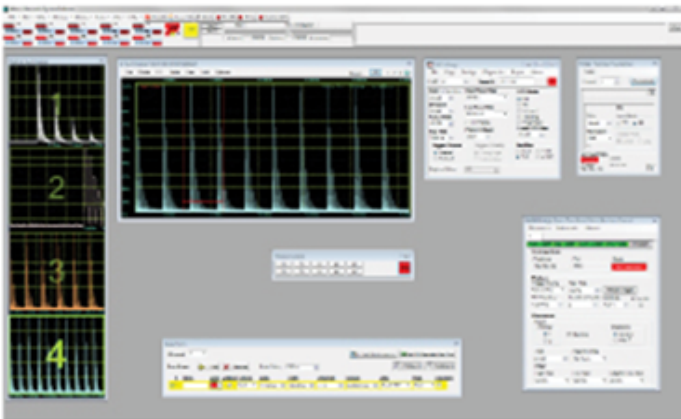
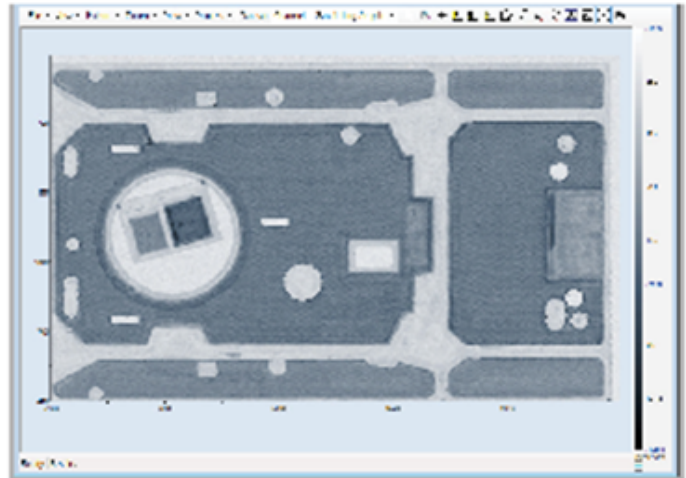
- Diameter to 140 inches
- Capacity to 2,500 pounds
- Scan height above turntable, more than 72 inches
- Flatness, plus or minus 0.010 inch



DATA ACQUISITION AND ANALYSIS SOFTWARE

Matec provides a full suite of Microsoft Windows pc-based data acquisition and analysis software for our gantry systems. In addition to our base software packages, our team of software engineers can work with you to develop customized scan forms and algorithms specific to your application demands.

- **Aragorn** data acquisition and control software allows you to program new scans, run or edit existing defined scans, and control ultrasonic settings and movement of the scanning system.
- **Analysis** software provides a full range of image post processing capabilities.
- **3View** software allows you to merge 3D-wireframe models with ultrasonic C-Scan data to view the C-Scan images as true 3D shapes.



ABOUT MATEC

Matec Instrument Companies, Inc. is an industry leader in providing ultrasonic nondestructive testing solutions. Our systems incorporate a wide range of features tailored to meet the needs our customers.

Matec provides a full-range of in-house services including mechanical and electronic design, machining and fabrication, instrumentation and control, and data acquisition and analysis software. This allows us to provide a seamless, fully integrated solution, and provides a single point of contact for our customers.



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