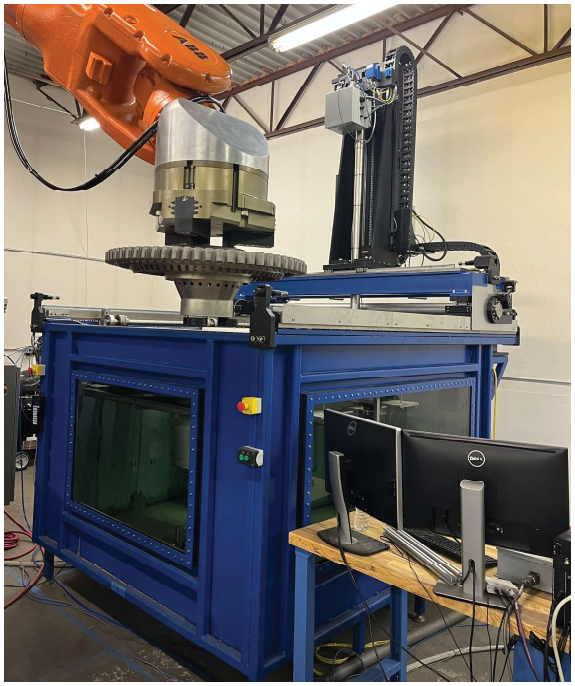
Matec Instrument Companies

# ULTRASONIC AND EDDY CURRENT TESTING SERVICES AND EQUIPMENT

Matec's ultrasonic and eddy current inspection systems provide fully integrated testing solutions designed to meet today's exacting inspection requirements. Our systems are compliant with many of the prime manufacturers' specifications including, GE, Pratt & Whitney, Rolls Royce, Boeing, Lockheed Martin, and Northrop Grumman, among others.

***Gantry Inspection System***

- 10 axis automated scanning system consisting of dual independent 5 axis gantries
- Multi-channel, multi frequency pulse echo and through transmission data collection
- Full 3D complex contour following
- System dynamic range to 125 dB using multi-channel linear or logarithmic amplifiers
- Scan speed in excess of 30 inches per second
- Optional rotator or integrated part fixture available
- 3-point correction for part placement

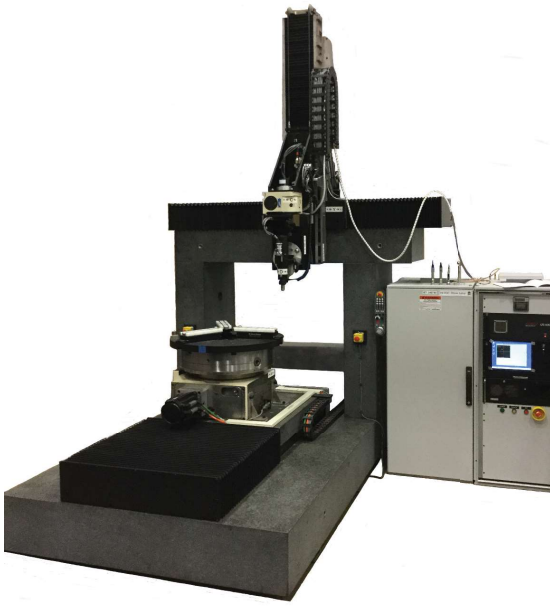


***Disk Inspection System***
***With Robotic Load/Unload***

- Stainless steel tank construction
- Granite turntable with 3-jaw chuck for part fixturing
- Dual gimbals for true complex contour scanning
- Lift assembly with push button controls

***Blade Inspection System***

- Stainless steel tank construction
- Batch blade loading and unloading operation
- Pneumatic lifts and clamps for part fixturing
- Barcode reader
- Fully integrated with Matec's Aragorn operating and control software



***Eddy Current Inspection System***

- 7-axes of motion
- Granite base, bridge, and pillars
- Single axis rotary tables
- Fully integrated industrial computer and eddy current instrumentation
- Touch probe unit

For more information, scan the adjacent QR code.

## ABOUT MATEC

Matec Instrument Companies, Inc. is an industry leader in providing ultrasonic and eddy current 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.

**Matec Instrument Companies, Inc.**
56 Hudson Street | Northborough, MA 01532
+1-508-393-0155 | sales@matec.com | matec.com