


SERVICES DIVISION
SERVICE BULLETIN

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MISTRAS Seattle Non-Destructive Testing Lab & Field Services

TOTAL NDT/NDE SOLUTIONS PROVIDER

MISTRAS' facility in Seattle, WA provides non-destructive testing (NDT) and evaluation (NDE) of materials and fabricated structures. We ensure quality for new and in-service applications in several industries, including:

- Aerospace
- Defense
- Petrochemical
- Pipeline
- Manufacturing
- Metal Fabrication
- Chemical
- Nuclear
- Power Generation
- Pharmaceutical
- Transportation

We can support large or small project requirements, providing qualified inspectors for field work or inspecting critical assets in our Nadcap/AS9100-accredited testing facility. Our 40,000-square foot facility provides a full complement of NDT disciplines with an industry-leading Quality Program.

TRADITIONAL ASSET PROTECTION SOLUTIONS

- Radiography: vault and field radiography using x-ray, gamma, cobalt, and aerospace digital radiography
- Ultrasonic: immersion inspection of wrought materials, longitudinal, angle beam weld inspection, and wall thickness inspections

- Magnetic Particle and Dye Penetrant
- Eddy Current
- Ground Penetrating Radar (GPR)
- Visual Weld Inspections from Certified Weld Inspectors (CWI)
- Borescope/Videoscope

ADVANCED NDT SERVICES

- Aerospace Materials and Composite Inspection: Immersion, 20', and 40' automated data-acquisition C-Scan systems
- Digital X-ray Imaging: GE Flex Computed/Digital Radiography systems
- Field Services: Large Structure Inspection (LSI) Ultrasonic Scanners, Guided Wave Ultrasonics (GUL), Acoustic Emission, Phased Array, Tube Inspection, Thermal Line Scan Boiler Imaging, Vibration and Remote Monitoring, and Mechanical Integrity
- Aboveground Storage Tank & Pressure Vessel Inspection: API 653, 570, 510, STI Inspections, MFL Tank Floor Inspection, Risk-Based Inspections (RBI) and Engineering Services (API 579, fitness-for-service, finite element analysis)
- Concrete Inspection Prior to Coring: Field Radiography and GPR
- Positive Material Identification (PMI)
- Bond Testing – Resonance, Pitch-Catch, MIA

COMPOSITE INSPECTION EXPERTS

Our lab specializes in Aerospace Materials inspection. Branching into composites in early 1986 with a single Ultrasonic system, our team of talented professionals has grown to be a widely-used and trusted provider of NDT composite inspections in the northwestern United States.

The lab is approved by many aerospace prime manufacturers, including Boeing, Airbus, Bombardier, Honda Aircraft, Bell Helicopter, and more. Our qualifications include Nadcap accreditation, NAS 410, AS9100/ISO 9001, FAA, ITAR/EAS, and commercial and military approvals. Our Projects include:

- Commercial and Military Aeronautics Manufacturers
- National Air & Space Facility
- Aircraft Engine and Helicopter Manufacturers
- R&D and Non-Disclosure Programs
- Sub-Tier Manufacturers

- Thermography/Infrared
- Manual Through-Transmission Squirter and P/E Systems
- FAA Repair Station
- Level III Services, Consultation, and NDT Classroom Training

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