

X5000



Services Overview

We Take A Closer Look

- Nondestructive Testing
- Calibration
- Materials Testing
- Chemistry
- Environmental & EMI/EMC
- Consulting Engineering

Standards, Accreditations, & Certifications

- ISO/IEC 17025 (A2LA) Competence of Testing and Calibration Laboratories (Mechanical Testing, Chemistry, Calibration, Nondestructive Testing)
- ISO 9001 Quality Management Systems
- 10CFR21 Requirements for the Reporting of Nonconformances
- ANSI/ASME NQA-1 Nuclear Quality Assurance Requirements
- ANSI/NCSL Z540-1 Calibration System Requirements
- 10CFR50 Appendix B Nuclear Quality Assurance Requirements
- AS9100D and ISO 9001:2015 Certification
- NADCAP Accreditations
- ASNT Employer-Based Certification Audit Program

*All accreditations are granted to certain disciplines operating within ATS. Each accreditation or certification has a special defined scope. Please visit www.atslab.com or contact the ATS Quality Assurance Department at 1-888-287-5227 for further details.

Applied Technical Services
1049 Triad Court
Marietta, GA 30062



Website: www.atslab.com

Tel: +1 (888) 287-5227

INDUSTRIES SERVICED

ADDITIVE MANUFACTURING - AEROSPACE - AUTOMOTIVE - CHEMICAL
COMMERCIAL PROPERTIES - CONSTRUCTION - DEFENSE/MILITARY
INSURANCE/LEGAL - MANUFACTURING - MEDICAL - NUCLEAR
OIL & GAS - POWER GENERATION - PULP & PAPER - MANY MORE

Nondestructive Testing

- Magnetic Particle (Wet and Dry)
- Liquid Penetrant (Visible and Fluorescent)
- Visual and Mechanical Integrity Inspection (CWI, API, & STI)
- Radiography (Film, CR, and DR)
- Phased Array Ultrasonic Inspection
- Shearwave/Thickness Ultrasonic Inspection
- Eddy Current
- Training/Level III Services
- Remote Visual Inspection
- Foreign Object Search & Retrieval
- FAA Repair Station

Calibration Services

- CT Dimensional Inspections
- CMM and Dimensional Inspections
- Electronic Equipment
- Gage Blocks/Thread Standards
- Force/Torque
- Pressure/Vacuum
- Temperature/Humidity
- Weights/Scales/Balances

Materials Testing

Mechanical Testing

- Tensile, Fatigue, and Impact Testing
- Pressure Leak Testing
- Weld Testing
- Hydrogen Embrittlement

Metallurgical Analysis

- SEM/EDS - Contaminants Identification
- EDS/XRD - Corrosion Deposits
- Hardness Testing



Failure Analysis

- Component Failure Analysis
- Mechanical Failure Analysis
- Metallurgical Failure Analysis

Plastics/Polymers

- Polymer Identification
- Melt Flow/Solution Viscosity/Thermal Analysis

Forensic Services

- Accident Reconstruction/Computer Simulation
- Design and Failure Analysis/Origin & Cause
- Exhibit Preparation and Litigation Support

Chemical Analysis

- Alloy Identification (UNS, SAE, AISI, ASTM)
- Contaminant Analysis
- Corrosion Product Identification
- Declarable Substances (ROHS)
- High Purity Metals Analysis
- Material Identification (PMI)
- Phthalate Testing
- Polymers, Composites, and Coating Testing
- Product Testing
- Vendor Qualification & Material Dedication
- Volatile Organic Compounds Testing (VOC)

Environmental & EMI/EMC

- Temperature/Humidity Testing
- Accelerated Corrosion
- Thermal Shock
- Salt Spray Testing
- Vibration/Shock/Seismic
- Electromagnetic Compatibility (EMC)
- Electromagnetic Interference (EMI)
- Electrostatic Discharge (ESD)
- Lightning Simulation

Consulting Engineering

- API 653/510/570 Inspections
- Corrosion & Materials Evaluations
- Custom Designs and Repair Designs
- Failure Modes and Effects Analysis (FMEA)
- Fall Protection & Façade Access Evaluations
- Risk Based Inspections
- Mechanical Integrity/Fitness-For-Service Evaluations
- NACE Coating Inspections
- Predictive Maintenance (PdM) program development
- Preventive Maintenance (PM) program development
- OSHA & ANSI Compliance Certifications
- Structural Evaluations

Qualification

- First Article Testing/Reverse Engineering
- Welds Procedure/Performance
- Product Testing