

## Service Area

ATS employs approximately 500 personnel in several branch offices throughout the Eastern United States. Although most of the laboratory testing services are housed in our headquarters location in Marietta, GA, we can provide inspection services anywhere in the U.S. or abroad.

## Scheduling

ATS is always available to handle your inspection needs and will respond to each request in a prompt and timely manner. Simply contact us at the number below to schedule an inspection project or to set-up a visit by an ATS representative.

## Quality Programs & Accreditations

- ANSI/ASME NQA-1
- 10CFR50 Appendix B
- 10CFR21
- ISO/IEC 17025\*
- ISO 9001
- ANSI/NCSL Z540-1
- MIL-STD-810
- MIL-STD-202
- MIL-PRF-85285D
- MIL-A-8625
- RTCA/DO-160
- GMW3172
- IEC 68-2-27
- IEEE 344
- IEEE 323

### Typical Test Standards Followed:

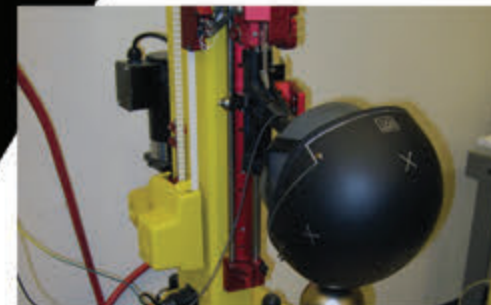
- ASTM Standards
- AATCC Standards
- SAE Standards

## Common Industries Served:

- Automotive
- Consumer Products
- Government Infrastructure
- Manufacturing
- Military
- Nuclear
- Polymer and Plastic
- Textile



## Environmental Testing



## Environmental Testing Services

By accelerating and intensifying environmental conditions, it is possible to predict how products will perform during their lifetime. ATS has the capability to conduct a wide variety of simulated weathering and artificial aging tests. Because product development cannot wait for years of actual outdoor exposure, accelerated laboratory weathering can provide results in a fraction of that time. With a clear understanding of the mechanisms and variables of natural weathering, it is possible to obtain reliable comparative results in a matter of weeks rather than years.



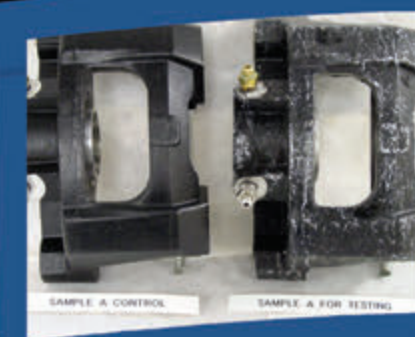
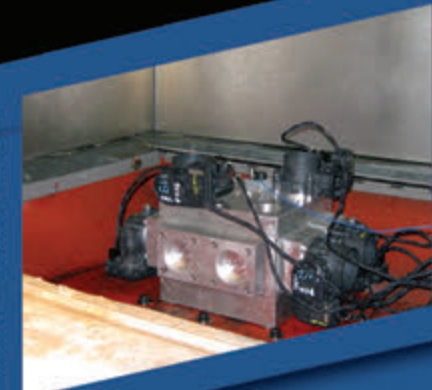
ATS, founded in 1967 and headquartered in Marietta, GA is one of North America's leading consulting engineering firms with extensive testing and inspection capabilities delivering a combination of experience, professionalism and decisive responsiveness for our clients.

  
1049 Triad Court - Marietta, GA 30062  
Corporate Office: 1-888-287-5227  
[www.atslab.com](http://www.atslab.com)

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

  
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# Environmental Testing



## Environmental Testing

Capabilities include:

- Accelerated Weathering and Materials Testing
- Coatings and Polymers
- Helmet Testing
- Plating Evaluations
- Product Testing
- Corrosion Investigations
- SEM/EDS Analysis
- Coatings Failure Analysis
- Salt Fog
- Acoustic Measurement
- Cyclic Corrosion Testing
- Temperature/Humidity Cycling
- Weatherometer Exposure (Xenon-arc, Fluorescent UV)
- Vibration/Shock Testing (Electrodynamic Shakers)
- Combined Temperature/Vibration Testing
- On-site/Field Data Acquisition and Analysis
- Experimental Modal Analysis
- Taber and Scrubb Abrasion Testing
- Color and Gloss Testing
- Various Impact Testing



## Vibration Testing

ATS performs sine, random, sine on random, classic shock and SRS in accordance with aerospace, military, automotive and IEC specifications. Each electrodynamic shaker (from 6,000 to 12,000 lbf) is fitted with an AGREE chamber for combined environment testing.

Custom fixtures may be designed and fabricated in-house to accommodate unique sample geometry. Capabilities include:

- Transportation Vibration
- Engine-Mounted Vibration
- Passenger Compartment Vibration
- Resonance Search and Dwell
- Rough Handling
- Shock, Drop and Tumble
- Seismic Qualification for Nuclear Plant Components
- Seismic Testing (Triaxial - 3 Independent Simultaneous Axes of Motion)
- State-of-the-Art Hydraulic System Fully Compliant with IEEE 344, GR 63 Core



## Corrosion Testing

Corrosion of American infrastructure accounts for the loss of many millions of dollars annually. Products ranging from hand tools to bridges must combat this phenomenon through proper design and coating protection. Laboratory corrosion testing enables clients to evaluate new designs and coatings in a controlled environment prior to release into the real world. Common tests include:

- Salt Fog
- Cyclic Corrosion
- Condensing Humidity
- C.A.S.S.

## Accelerated Weathering

Capabilities include:

- Temperature and humidity cycling
- Thermal shock
- Xenon arc weathering
- Fluorescent U.V. weathering



## When Quality is Non-Negotiable!

## Automotive Testing

ATS performs a wide variety of physical and environmental tests on automotive interior assemblies, exterior trim, as well as suspension, brake and engine components. Whether it is pre-production or product performance testing, we have the experience to assist you with development programs and component acceptance. Tests include:

- Temperature and Humidity Cycling
- Vibration
- Salt Spray
- Cyclic Corrosion
- Ultraviolet Weathering
- Chemical Resistance

## Military Testing

ATS takes pride in its commitment to military testing which has become a viable segment within our scope of capabilities. We offer a wide range of testing within one facility and strive to maintain our "one-stop-shop" reputation. Whether it is electrical testing of flight instrumentation or thermal cycling of advanced combat helmets, ATS has the ability to manage your entire test program. Capabilities include:

- Temperature Shock
- Temperature and Humidity Cycling
- Impact Testing
- Mechanical Testing
- Shock/Vibration Testing
- Ultraviolet Weathering
- Salt Spray
- Chemical Resistance and Immersion

Applied Technical Services  
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