



Automotive Testing

We Take A Closer Look

Capabilities:

- Weathering (Xenon & UV)
- Solar Simulation
- Environmental Conditions
- Materials Testing
- Polymer/Plastic Mechanical Testing
- Emissions/Volatile Organic Compounds (VOCs)
- Paints and Coatings Evaluations
- Vibration Testing
- Corrosion
- Weld Examination
- Chemical Analysis
- Flammability
- EMI/Electrical Testing

Automotive Testing

ATS performs a wide range of physical, environmental, and chemical testing on automotive interior assemblies, exterior trim, as well as suspension, brake and engine components. From pre-production to product performance testing, we have the experience to assist with automotive testing needs. ATS' scope of automotive testing ensures compliance with manufacturers and OEMs requirements.

ATS' goal is to provide a one-stop shop to meet the testing requirements of automotive companies, and perform failure analysis in the event it occurs. Our team is highly qualified and our automotive testing lab is equipped with the latest and most advanced equipment.

Since our founding in 1967, ATS has established an excellent reputation with business, industry, and the legal profession. ATS can take a closer look for you to help find the technical answers and solutions you need.

Applied Technical Services

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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

Test Specifications/Group Standards for:

- BMW
- Chrysler
- Daimler/Mercedes
- Ford
- General Motors
- Honda
- Hyundai
- Kia
- Lucid
- Mitsubishi
- Nissan
- Rivian
- Subaru
- Tesla
- Toyota
- Volkswagen
- Volvo

Environmental Conditions

- Accelerated Weathering (Xenon, UV Exposure)
- Light Fastness
- Temperature and Humidity Cycling
- Cyclic Corrosion
- Salt Fog/Spray

Materials Testing

- Density
- Melting Temperature
- Ignition Residue/Ash Content
- FTIR
- Glass Fiber Content



Polymer/Plastic Mechanical Testing

- Flexural Strength/Modulus of Elasticity
- Tensile Strength/Yield Stress
- Impact Resistance
- Dimensional Stability (VICAT)

Emissions

- Fogging
- Formaldehyde Emissions
- Odor Testing
- Total Emissions/VOCs
- Bag and Chamber Testing

Other Testing

- Thermal Shock
- Flammability
- Durability Testing
- IP - Ingress Protection (water, dust, solids)
- Operational/Mechanical Cycle Testing
- EMI/Electrical Testing
- Weld Examination
- Vibration

Paints and Coating Evaluations

- Chemical Resistance
- Chip Resistance
- Color/Gloss Analysis
- Impact Resistance
- Adhesion
- Abrasion Resistance

Vibration Testing

- Sinusoidal, Random, Random-on-Random
- Classic Shock and SRS
- Time waveform Replication (TWR)
- Field Data Acquisition and Analysis
- Combined Temperature and Vibration Environment

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