

Automotive Testing



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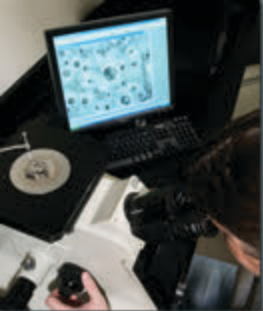
ATS performs a wide variety of physical and environmental tests on automotive interior assemblies, exterior trim, as well as suspension, brake and engine components. Whether it is pre-production or product performance testing, we have the experience to assist you with development programs and component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

Common tests include:

- Temperature and Humidity Cycling
- Vibrations
- Mechanical Shocks
- Cyclic Corrosion
- Ultraviolet Weathering
- Chemical Resistance

Typical specifications include:

- Ford Engineering Standards
- GM Engineering Standards
- BMW Group Standards
- Toyota Engineering Standards
- Honda (HES)
- Nissan (NES)
- Hyundai
- Kia
- Volvo



Mechanical Testing

Specialty Testing

Whether it is life cycle testing of playground slides or performance testing of automotive steering pumps, ATS has the experience and capabilities to satisfy your needs.

Capabilities:

- Strain Gage
- Pressure Testing
- Helium Leak Testing
- Weld Testing
- In House Machining, Specialty Fabrication
- Impact Testing
- Stress Rupture
- Hydrogen Embrittlement Testing
- Fastener Testing
- Hardness Testing
- Customized Product Testing
- Tensile, Compression, Torsion, Shear and Bend Testing

Metallurgy and Failure Analysis

Our chemists, metallurgists and professional engineers work as an experienced problem-solving team to determine the cause of your failures.

Capabilities:

- Failure Analysis
- Litigation Support/Expert Testimony
- Hardness and Microhardness Testing
- Plating Thickness and Type
- Microstructure and Grain Size
- Image Analysis
- Scanning Electron Microscopy
- Energy Dispersive X-ray Spectroscopy
- Legal Inspection Hosting
- Reverse Engineering



Environmental Testing

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.

Capabilities:

- Accelerated Weathering and Materials Testing
- Coatings and Polymers
- Helmet Testing (D.O.T. and C.P.S.C)
- Platings
- Corrosion Investigation
- Coating Failure Analysis
- Salt Fog
- Cyclic Corrosion Testing
- Temperature/Humidity Cycling
- Weatherometer Exposure
- Vibration/Shock Testing (Electrodynamic Shakers)
- Combined Temperature/Vibration Testing
- Experimental Modal Analysis
- Color and Gloss Testing
- Various Impact Testing

We Take A Closer Look!

Accreditations / Certifications

