



Electrical Analysis & Forensics

We Take A Closer Look

- Appliance Testing
- Consumer Electronics Testing
- Consumer Product Testing
- Conductivity/Resistivity
- Dielectric Constant
- Dielectric Strength

Electrical Analysis & Forensics

ATS's electrical forensics laboratory offers a broad spectrum of electrical and electronic product testing. We have the capabilities to inspect the electrical properties of common products such as insulators, conductors, coatings, oils, batteries, cables, wires, lights, connectors, circuit breakers, electrical tapes and other electrical and electronic components, determining the causes of failures and affirming the soundness of working products.

ATS' Electrical Testing Laboratory Capabilities

We adhere to many popular testing standards including:

- ASTM
- ANSI
- MIL-STD
- IEC
- IEEE

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

Performance Evaluations

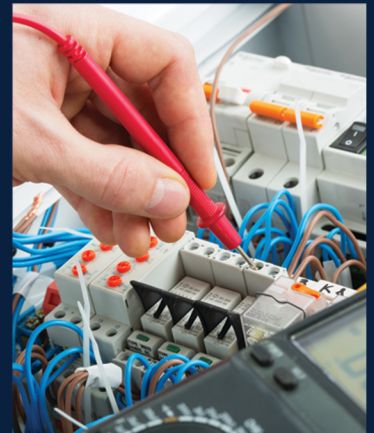
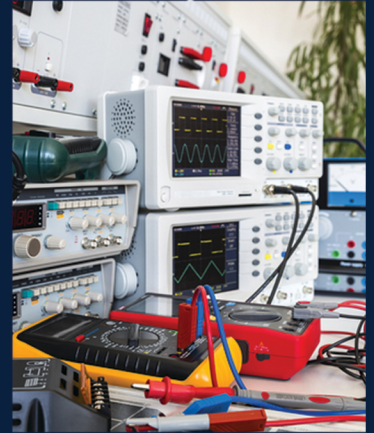
When it comes to design, performance, and custom product testing, our experts can call on an array of comprehensive testing tools. ATS offers qualification testing that measures consistency, longevity, safety, durability, and probability of failures.

Performance Applications Include:

- Surface and Volume Resistivity - ASTM D257
- Dielectric Strength - ASTM D149
- Insulation Resistance
- Contact Resistance
- Voltage Drop Testing
- Hot Wire Ignition Testing - ASTM D3874
- Dielectric Constant - ASTM D150
- Continuous Discharge
- Conductivity - ASTM B193

Failure Analysis

ATS' Electrical Experts can help determine the root cause of electrical and electronic failures. Our ISO 9001 certified labs are equipped with technically advanced equipment whose accurate readings and environmental/mechanical simulations assist us in proper evaluations.



Examples of Commonly Used Standards:

- Conductivity - ASTM B193
- Contact Resistance - IEEE 118-1978
- Continuous Discharge - IEEE 1144-1196
- Dielectric Constant - ASTM D150
- Dielectric Strength - ASTM D149
- Electric and Electronic Systems Integrity
- Hot Wire Ignition Testing - ASTM D3874
- Insulation Resistance - IEEE 46-2000
- Power Systems Integrity - IEEE SIPS
- Surface and Volume Resistivity - ASTM D257

Quality Assurance and Customer Service

Because customer satisfaction is a priority for our organization, we have developed a quality assurance system that is compliant with recognized quality systems for various industries. Quick turn-arounds, accurate testing, detailed reporting, and competitive pricing are what you can expect from Applied Technical Services.

Industries Served:

- Railroad
- Aviation
- Automotive
- Power Generation
- Lighting
- Solar
- Metal
- Polymer

Our Certifications

ATS is ISO 9001 certified and holds multiple ISO/IEC 17025 (A2LA) certificates in Mechanical, Chemical, Calibration, and Nondestructive Testing disciplines.