



Aviation Inspection

We Take A Closer Look

Common Capabilities:

- Florescent Liquid Penetrant
- Eddy Current (RFEC, HFEC, LFEC, Conductivity and Array)
- Composite Bond Testing
- Remote Visual Inspections (Engines, Airframes and Components)
- Thermal Imaging
- Magnetic Optical Imaging (MOI)
- Magnetic Particle (Portable and Stationary)
- Ultrasonic (PAUT, UPE, USW, PAUT and Array)
- Visual
- Airframe Dent and Deformation Analysis

Aviation Inspection Services

Applied Technical Services offers nondestructive testing and inspection aviation services. Proper NDT inspections are critical to the design, manufacture, maintenance, and safety of aircraft. Technicians will use NDT methods throughout an aircraft's lifecycle to assess its health, routinely inspecting parts, structures, and engines. Aircraft undergo massive fatigue stresses due to the forces acting on them while in flight. Finding and resolving issues is, therefore, fundamental to safe and routine operation. ATS utilizes some the latest inspection technologies to provide our customers with options that reduce aircraft downtime and reduce inspection labor costs. Aircraft components that we regularly inspect include, but are not limited to the following: engine blades, landing gears, welds, fitting bolts, fuselages, rivets, wings, and adhesive bonds.

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

In the Field Services

ATS travels nationally and internationally to perform aviation NDT inspections. We are prepared to fly or drive to your location to perform any and all of the NDT methods. Our mobile radiography labs enable us to perform radiographic testing, film process and detailed interpretation on-site. Our customer base is comprised of private aircraft owners, small aviation businesses, corporate jets, military, Arabian sheiks and major commuter airline companies. Our professional technicians are highly trained and certified to deliver excellent service and accurate interpretations. We arrive on time and prepared with the right equipment, the right standards and everything needed to get the job done. You will have the reports in-hand when we leave your site.

In Shop Services

ATS has a state-of-the-art NDT lab. The lab is equipped with the latest and most advanced NDT equipment. We will perform any and all of the NDT methods on your aviation parts and components. Some of our most common jobs include rotor grips, newly manufactured parts, engine overhauls and military aircraft parts. ATS has been called upon many times to do unique custom jobs like parts investigation on downed airplanes. Our NDT lab frequently serves private aircraft owners, aviation manufacturing companies, small aviation businesses, corporate jets, military, and major commuter airline companies.



Engine Inspection

ATS has been leaders in the Aviation NDT Industry since 1975. We specialize in engine inspections ensuring no flaw or threat goes undetected. Common flaws detected are cracks caused by fatigue, heating and cooling, overheating and vibrations.

Inspections Include:

- Core
- Bleed Air Ducting
- VSV Levers
- Spinner Case
- Engine Attachment Point
- Fan Blades
- Turbine Cases
- Fan Blade Hubs
- Mounting Hardware
- High Pressure Turbine Wheels

Accreditations

- ISO-9001
- EASA Certified
- A2LA
- AS-9100
- NADCAP
- Boeing D1-4426

Structural Inspections

- Flight Surfaces
- Fuselage
- Windows & Windshields
- Various Other Engine Components
- Landing Gear
- Aircraft Wheels
- Rotor Grip Inspection

ATS Aviation NDT serves a broad range of customers from Commercial Air Carriers, Corporate Aircraft operators along with Military, Space Flight and General Aviation applications using regulatory licensed technicians. Below are just some examples of our current clients.

- Bombardier
- Lear Jet
- Piper
- Boeing
- Bell Helicopter
- Lockheed
- Air Bus
- Space X
- 3M
- Goodrich
- MHI RJ
- Cessna
- Beechcraft
- Rolls Royce
- Sikorski Helicopter
- Amentum
- Virgin Galactic
- Blue Origin
- RUAG Space
- Meggit