


Visual Inspection

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ATS is one of the most established and respected visual inspection companies serving clients nationally and internationally. Many industries call upon our services due to our diverse certifications and knowledge of industry specific standards. Our corporate quality assurance program continually monitors employee safety and quality customer service support. ATS' employees must be aware of, committed to, and actively involved in the quality improvement processes. While keeping these goals in mind, we have earned many accreditations including ISO/IEC 17025:2005(A2LA) in Nondestructive Testing, Mechanical, Chemistry, Calibration, ISO 9001-2008 Certification and more. Our experts provide visual testing and inspections for welds, components, equipment, piping, commercial properties, and industrial structures. Our qualified technicians have the expertise to identify a wide range of discontinuities including but not limited to cracks, holes, corrosion, blisters, impact damage, and other surface deformations.

Certified Visual Inspectors Include:

- ICC Special Inspectors
- AWS Weld Inspectors
- ASNT NDT Visual Testing Inspectors
- API Inspectors

Inspections Performed Using:

- AWS
- ASME
- ASTM
- IBC/AISC/RCSC
- API
- ANSI
- NAVSEA
- EN/ISO

Industries Served:

- Structural Steel
- Manufacturing
- Industrial
- Power Generation
- Nuclear
- Military
- Petrochemical
- Telecommunications
- Construction
- Customer Specific



Visual Inspection Services

ASME Inspectors and Inspections

Visual Inspections Per ASME Nondestructive Testing Handbook 3rd Edition, Volume 10

Applied Technical Services is an independent testing and inspection company who offers quality visual inspections. Our certified NDT inspectors will inspect your component(s) ensuring it is in conformance to specifications. The inspectors have the knowledge and experience to identify any surface anomalies that are visible directly to the eye or visible indirectly using approved optical instruments. Many times, surface anomalies can be an indicator of structural and mechanical failures ultimately resulting in unsafe and unreliable products.

Nuclear Quality Assurance (NQA-1) Certification

ATS meets the certification requirements of the ASME Nuclear Quality Assurance Program. This certification allows us to provide third party testing and inspections on products needing to meet stringent standards established by the nuclear industry. Our technically advanced labs and certified experts provide product validation, accurate testing and detailed reports that reflect the quality of your products and their capability to meet designated regulations.

Industries

With over 28 locations, ATS' serves clients nationally and internationally from a large variety of industries.

- Industries – Automotive, Aerospace/Aviation, Chemical, Construction, Industrial, Insurance/Legal, Manufacturing, Military/Government, Nuclear, Petrochemical, Power Generation, Structural Steel, Telecommunication, and more

Summary of departments and services also provided by ATS:

- NDT – Visual, Liquid Penetrant, Magnetic Particle, Eddy Current, Phased Array, Ultrasonic Testing, Ultrasonic Thickness, Radiography, Computed Digital Radiography, Infrared, and more
- Mechanical Testing** – Tensile, Impact, Hardness, Fastener, Hydrogen Embrittlement, Load, Pressure, Weld Testing, Welder Qualification, Weld Procedure Qualification, Ferrite, Compression, Shear, Torsion, Bend, Stress Rupture, and more
- Environmental Testing** – Humidity, Temperature, Thermal, Xenon Arc, Fluorescent, Heating, Aging, Altitude, Vibration, Salt Spray, Cyclic Corrosion, Ultraviolet, CASS, Coating, Color, Gloss, Helmet, Water Permeation, Ingress Protection, OSHPD, Rough Handling, Transportation, Seismic, Shock, and more
- Metallurgy** – SEM, EDS, Hardness, Chemical Analysis, Coating/Plating Type, Coating/Plating Analysis, Manufacturing Process, Surface Treatments, BMI, Heat Treat Condition, EDS, X-Ray Diffraction, Contamination Particles, Corrosion, Surface, Fatigue, Stress, Particle Morphology, Grain Size Measurements, Graphite Evaluation, Case Depth, Plating Hardness, Formability Issues and more
- Chemical Analysis** – Metals Analysis, Alloy ID, Wet Chemical Analysis, ROHS, Trace Metals Analysis, PMI, Organic, Contaminants, Compound Analysis, Gas Chromatography, Phthalate Testing, Lead, BPA, Flame Retardants, FTIR, SEM, Polymer ID, Melt Flow Rate, Heavy Metals, PFOA, PFOS, VOC, PAH, Karl Fischer, GCMS, UV-VIS, ASH, DSC, AZO, TGA and more
- Electrical Testing** – Battery Load Testing, Battery Testing, Conductivity, Dielectric Strength, Electrical Testing Lab, Electronic Product Testing, Insulation Resistance, Surface Resistance, Voltage Drop, and more