



A Higher Level of Reliability



Experience the Acuren Advantage.

Reliable, Accurate, and Safe – NDT, Inspection, and Materials Engineering Services

Acuren Services for the Aerospace Industry

a Rockwood Company



Depend on Acuren for cost-effective solutions and uncompromised quality.

There is no question that NDT is paramount to the success of the aerospace industry. Without accurate results delivered by knowledgeable professionals, the cost of maintaining and flying airplanes rises dramatically while passenger safety decreases.

Optimize your operations with Acuren. Our staff of highly trained NDT experts utilizes the latest technology to identify defects in critical structural and surface components on aircraft, many of which would otherwise be undetectable using only visual or conventional inspection methods. For over thirty years, we've been providing NDT services to many of the leading aerospace companies, improving the safety, quality, and cost effectiveness of their organizations.

When you engage us, you can expect the commitment to quality, reliability, and safety that has earned Acuren a leadership position in the NDT, Inspection, and Materials Engineering industry.

BE SAFE.

At Acuren, safety is our number one priority.. Our rigorous standards protect the integrity of your operations and the welfare of your passengers. We empower our professionals by providing extensive training and state-of-the-art equipment. Thorough control and reporting procedures ensure you remain competitive and profitable, with no compromise in quality, safety, or accuracy.

BE COST-EFFECTIVE.

We deliver accurate, useful results the first time, every time, improving your productivity and lowering your costs. We operate state-of-the-art laboratory facilities boasting the latest, most advanced technology. Our staff is highly trained and experienced, allowing swift interpretation and reporting of results. And our comprehensive project preview process ensures that only the most efficient and critical processes are employed.

BE COMPLIANT.

Acuren offers comprehensive inspection services to help you meet regulatory, insurance and industry requirements. Our professional staff is fully up to date on the latest standards and regulations ensuring a proactive approach to compliance. Acuren has proven experience in addressing risk management, best industry practices, and governmental regulations, and can reduce expenses and lessen the administrative burden associated with compliance mandates.



BE CONFIDENT IN OUR RELIABILITY.

We honor our commitments to our customers with unsurpassed experience and knowledge. Acuren employs over 3,000 highly trained professionals who are eager to help. We deliver results quickly, without sacrificing quality and accuracy. Our immediate and full support is always available to address your specific needs.

**WE'LL SHOW UP ON TIME,
EVERY TIME, TO
EFFICIENTLY AND SAFELY
CONDUCT OUR BUSINESS,
SO YOU CAN QUICKLY
GET BACK TO YOURS.**





INDUSTRY-LEADING MATERIALS TESTING AND ANALYSIS.

Over the past thirty years, Acuren has consistently been an industry leader in materials testing by maintaining best-in-class laboratory facilities. Our equipment is calibrated to CSA, ASTM, ISO, and NBS Standards, and our technical staff receives rigorous training on the latest testing methods. We understand the extremely thin margin for error – and life or death nature – of aircraft design. We take pride in our accurate, timely, and cost effective results for the aerospace industry.

MECHANICAL TESTING:

Mechanical testing is vital to confirming any material grade, evaluating any component, or putting any critical design into practice. The desire for ever lighter components must be successfully balanced with safety requirements. Mistakes here can lead to dangerous, costly, and time-consuming problems in the future. When safety, quality, and production efficiency matter, rely on Acuren. Our mechanical testing services include:

- Tensile testing – including elevated temperature
- Charpy impact testing
- Weld procedure testing – ASTM, CSA, AWS, AWWA, ASME
- Valve certification
- Hardness testing

CHEMICAL ANALYSIS:

Our chemists, technicians, and inspectors have unrivaled experience in aerospace design and technology. We operate five service-oriented laboratories enabling us to deliver rapid results regardless of project size. The breadth and depth of our equipment allows you to realize economies of scale and significant cost savings. Plus, results are delivered electronically for faster decision-making and improved collaboration. Our services can help you with:

- Ensuring compliance with materials specifications
- Identification of unknown materials
- Alloy sorting
- Evaluating weld procedure acceptability

PERFORMANCE UNDER PRESSURE.



The exacting standards of the aerospace industry are no match for the professionals at Acuren. Our solutions are designed to meet your precise requirements for reliability, timeliness, and cost-efficiency:

We operate five state-of-the-art advanced materials testing laboratories for rapid turnaround regardless of project size.

Our staff of over 50 materials engineers gives you ready access to an unrivaled depth of experience conducting tests and interpreting results.

Every lab and location is audited at least once per year to ensure compliance with our strict standards.

Results can be delivered electronically, for ease of reporting, collaboration, and decision-making.



Comprehensive services for all your NDT, Inspection, and Materials Engineering needs.

Acuren leads the industry in range of services:

• Conventional NDT Services

- Radiographic testing (RT)
- Magnetic particle testing (MT)
- Dye penetrant testing (PT)
- Ultrasonic testing (UT)
- Visual testing (VT)
- Eddy current (ET)

• Advanced NDT Services

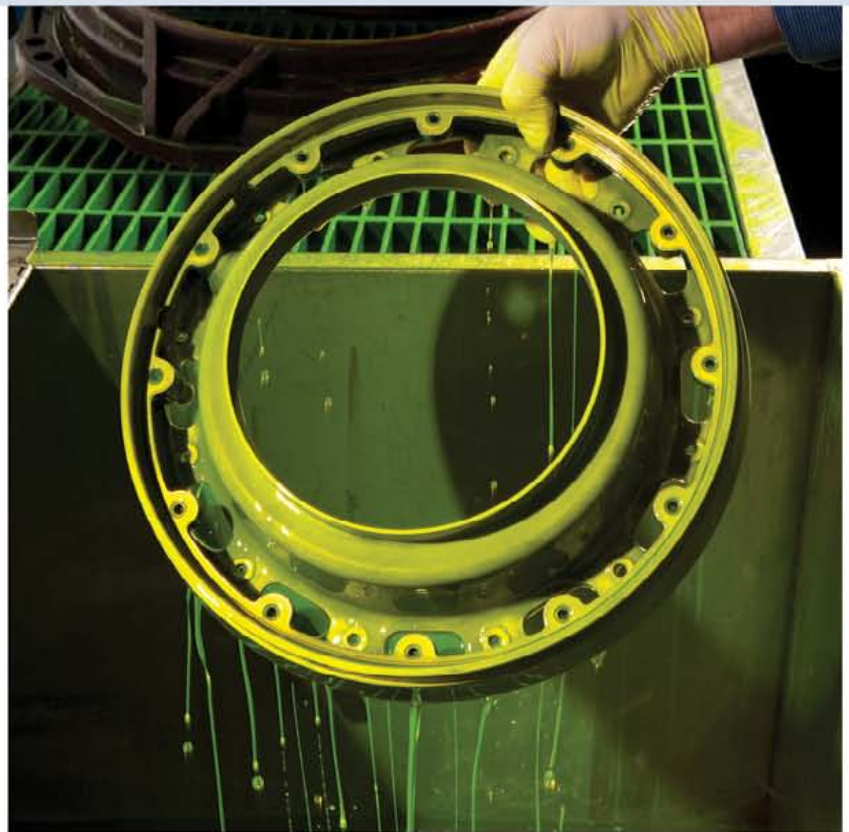
- Computed/digital radiography (CR/DR)
- UT- immersion/contact testing

• Facility Inspection Services

- Facility mgmt/staffing
- Dimensional inspection (CMM)
- Positive material identification, I.D. (PMI)

• Specialized Services

- Calibration services



A Higher Level of Reliability

MATERIALS ENGINEERING SERVICES DELIVERED BY EXPERTS, CUSTOMIZED FOR YOUR NEEDS.

At Acuren, we're proud of our role in keeping air travel one of the safest modes of transportation. Our engineers have a solid reputation for providing accurate and definitive materials integrity solutions. The near constant swings in temperature experienced by aircraft as well as their light weight relative to the loads they carry, make quality services vital to keeping costs down and safety records sky-high. Trust our internationally-recognized and field-experienced team to assist you throughout all stages of equipment lifecycles including design, inspection, maintenance, repair, and failure analysis.

CONSULTING SERVICES:

We believe results come from specialized teams who understand your process in general and your operation in particular. When demanding millions of components to work in perfect harmony, only the best will do. We'll provide the right engineering expert who can offer cost-effective solutions to benefit your business. Acuren consulting services for the aerospace industry include:

- Fracture mechanics
- Materials testing
- Corrosion studies
- Quality assurance

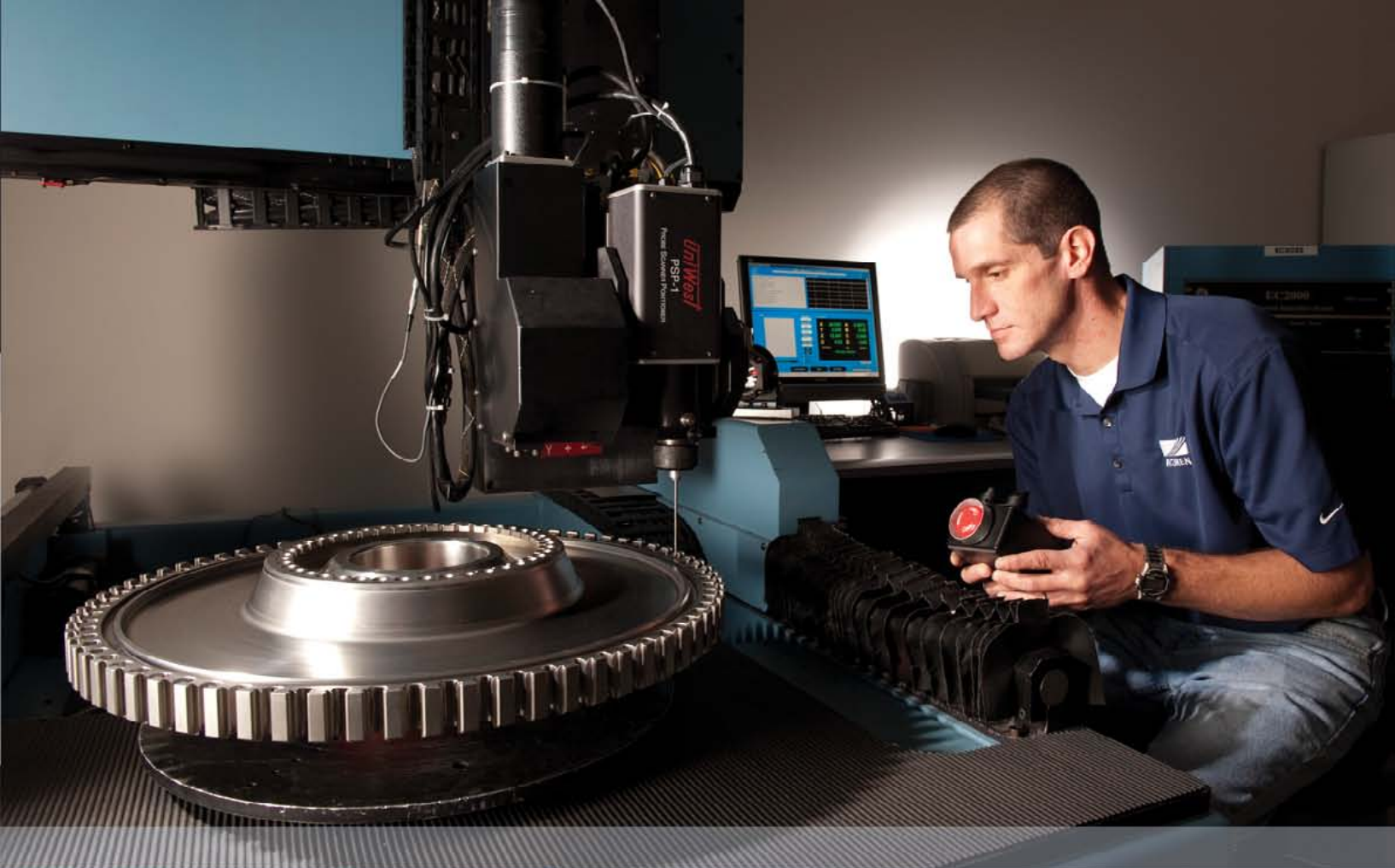
FAILURE ANALYSIS:

When a failure occurs, thorough analysis can offer insight and preventive solutions for the future. At Acuren, our engineers undertake the meticulous examination of failure analysis to give you clear guidance on how to move forward. Our proactive approach reduces costs and ensures performance benchmarks are met.

A sampling of our procedures includes:

- Metallographic examination
- Scanning electron microscopy
- Hardness, tensile and impact testing
- Corrosion scale analysis





What we mean by “A Higher Level of Reliability”.

A Higher Level of Reliability is more than just a statement; it is a core belief that pervades every aspect of our corporate culture. For over thirty years, our mission has been to provide reliable, repeatable service – for every client, everywhere, every day. We strive to exceed our client’s expectations while providing a safe working environment, maintaining the highest industry standards, and respecting the dignity of every employee.

- Our mission is to provide reliable, repeatable service.
- Our commitment is to employ the best resources, technology, and methods available today.
- Our investment in quality, service, and efficiency comes from our focus on discipline, exceeding client expectations, and continuous improvement that drives productivity.
- Our corporate culture is defined by three principles: safety and the knowledge that all incidents are preventable; the integrity that comes from always doing the right thing; and a passion for our work and its contribution to society at large.





Regardless of your location, we have an office nearby ready to serve you. We operate in over eighty locations throughout North America. For more information, or to schedule a no-obligation consultation with one of our industry experts, contact the location nearest you or call 1-888-NDT-ACU0.

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