



*A Higher Level of Reliability*

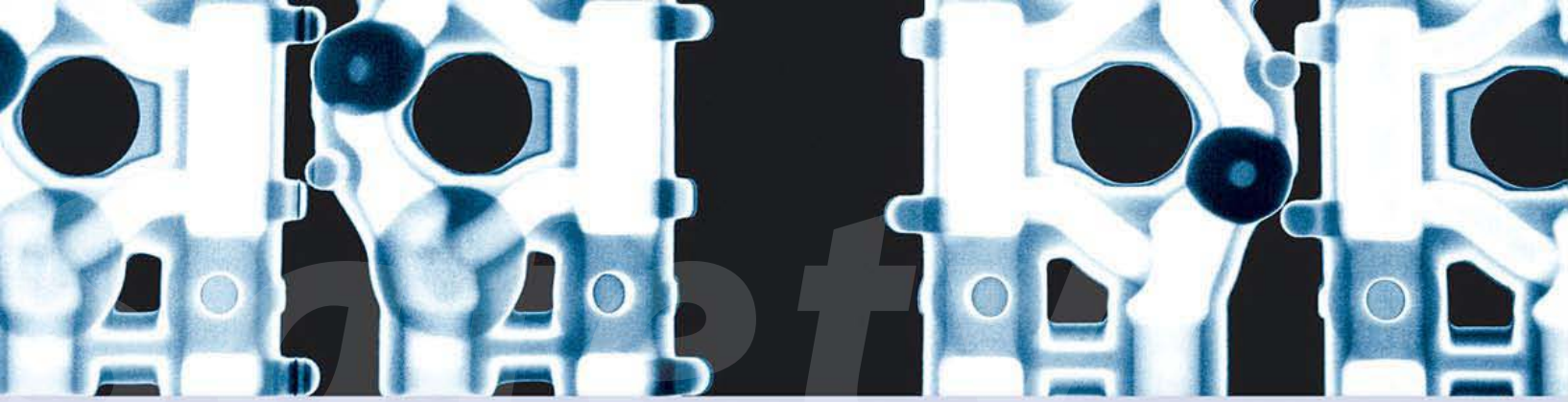


## ***Experience the Acuren Advantage.***

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

Acuren Services for the Automotive Industry

a Rockwood Company



## Improve productivity and reduce costs with Acuren.

The changes currently facing the automotive industry require auto makers to scrutinize costs like never before. Drivers demand ever more luxury at affordable prices, recall actions are pricey, and competition is fierce.

Keep production costs down with Acuren. Our services are designed to improve the safety and productivity of your operations. Our experts accurately identify material and sub-surface part defects. Our services enhance cost-efficiency every step of the way, and can be incorporated pre-production, integrated into your existing quality process, and used to determine the cause of failure.

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 DELIVER ACCURATE,  
USEFUL RESULTS THE FIRST  
TIME, EVERY TIME,  
IMPROVING YOUR  
PRODUCTIVITY AND  
LOWERING YOUR COSTS.**





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

Acuren leads the industry in range of services:



• **Conventional NDT Services**

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

• **Advanced NDT Services:**

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- Real-time radiography (RTR)

• **Facility Inspection Services**

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- Facility management/staffing
- Dimensional inspection (CMM)
- Visual inspection/sorting
- Positive material identification (PMI)
- Automated penetrant inspection
- Hardness testing (HT)

• **Specialized Services**

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- Warehousing services
- Sequencing services
- Calibration services



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

New materials, new joining techniques, and new fuel efficiency standards add even more complexity to automotive design. Reliable materials engineering services are integral to keeping costs down while achieving stringent safety requirements. Acuren's engineers have a solid reputation for providing accurate and definitive materials integrity solutions. Our internationally-recognized and field-experienced team is ready to assist you throughout all stages of production including design, inspection, maintenance, repair, and failure analysis.

### CONSULTING SERVICES:

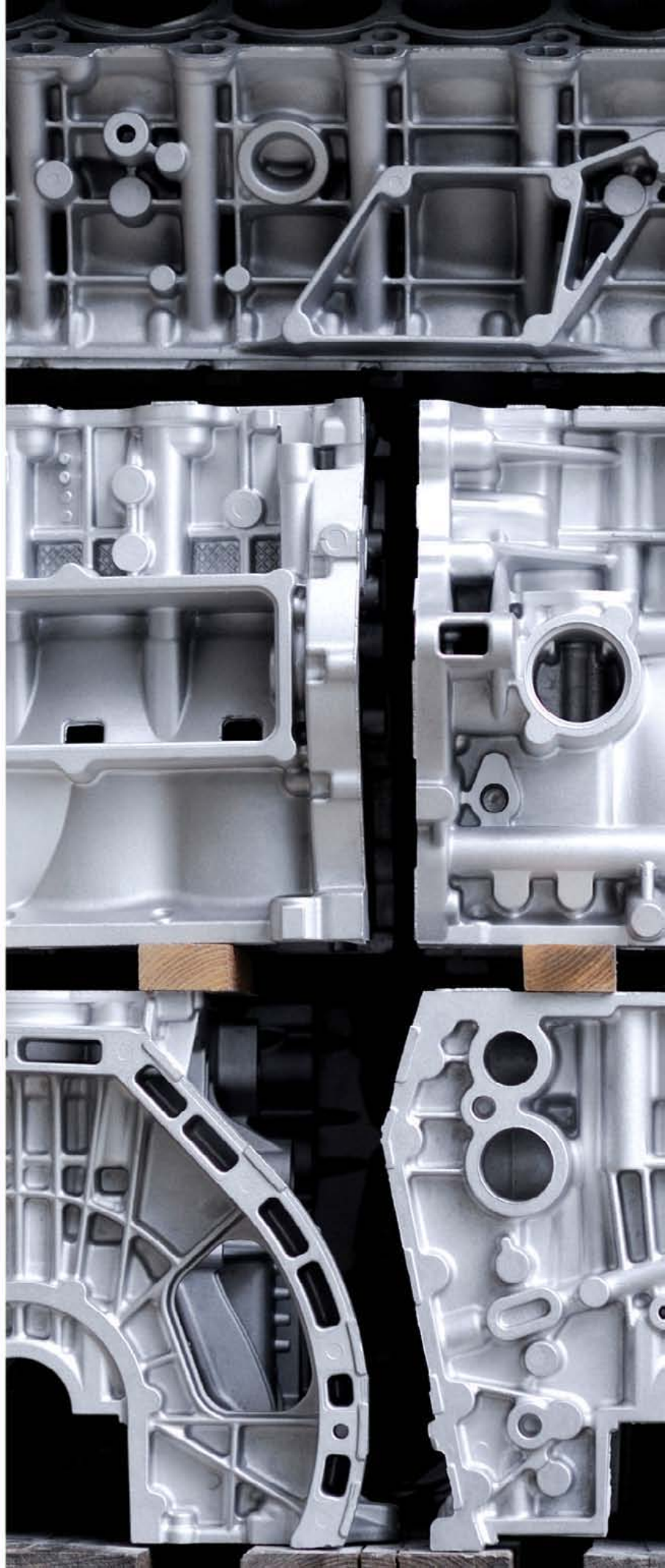
We believe results come from specialized teams who understand your process in general and your operation in particular. We're proud of our role helping leading automotive companies and their suppliers improve the safety and profitability of their operations. We'll provide the right engineering expert who can offer cost-effective solutions to benefit your business. Acuren consulting services for the automotive 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 helps keep costs down, all while keeping standards high. A sampling of our procedures includes:

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





## 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 always evolving, complex nature of automotive design where new materials and technologies must be successfully applied. We take pride in our accurate, timely, and cost effective results for the automotive 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 lighter parts and improved fuel efficiency 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 automotive 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.



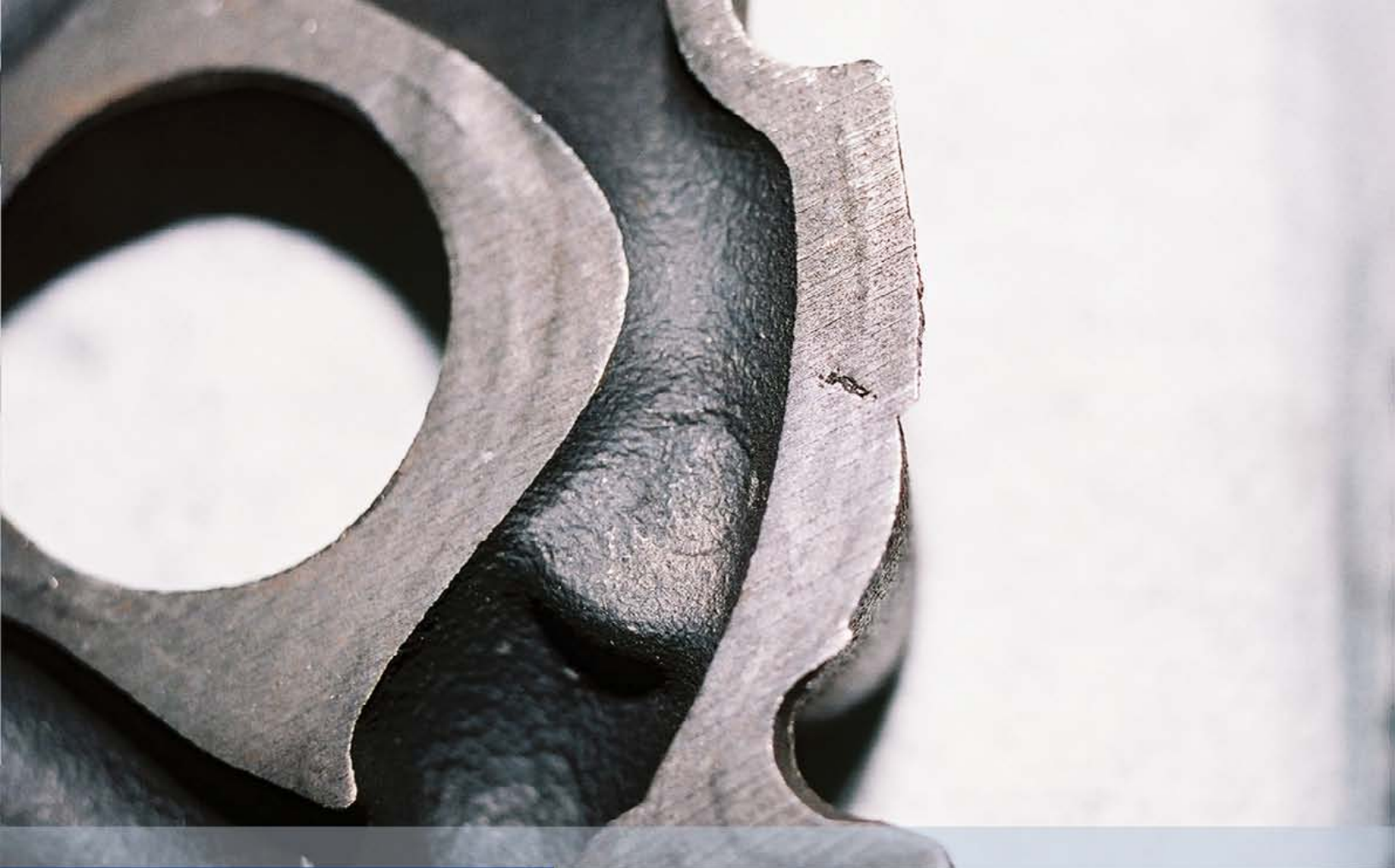
The exacting standards of the automotive industry are no match for the professionals at Acuren. Our solutions are designed to meet your precise requirements for reliability, timeliness, and cost-efficiency:

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.



## 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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