

THE AEROSPACE INDUSTRY'S SINGLE-SOURCE SUPPLIER FOR TRUSTED TESTING SOLUTIONS



We deliver testing solutions faster and at scale thanks to the market-leading technical capabilities and capacity of our global network of laboratories.

[Discover More](#)



THE INDUSTRY'S PARTNER OF CHOICE

The Aerospace industry turns to Element for support with developing better products, minimizing risk, and getting to market on time and cost-effectively. We pride ourselves on the partnerships we develop with our customers. We are dedicated to offering exemplary service and becoming part of your team.

YOUR SINGLE SOURCE SUPPLIER

We provide a comprehensive range of non-destructive, destructive and product qualification testing services for a wide variety of materials, components, products and systems.

EXPERTS THAT SET THE STANDARD

Our world-leading technical expertise makes us the ideal partner when failure is not an option. Our experts sit on numerous international committees, including SAE and ASTM committees, to set the standards that advance the industry.

- 45 Prime Approvals
- Global reach with local presence
- Specialized test cells and equipment



CAPACITY YOU CAN COUNT ON

We understand the challenges of product development in the Aerospace industry, and provide the clear communication and quick turnaround time you need. Our labs are strategically positioned around industry hubs for Aerospace, Defense, and Space to accommodate any localized testing you require.

We have unmatched experience working with the Primes and their supply chain partners, offering an extraordinary breadth of in-house capabilities that support the entire product life cycle, such as:



RAW MATERIALS

FORGINGS & CASTINGS

SUB-COMPONENTS & COMPONENTS

SYSTEMS & STRUCTURES

OUR COMPREHENSIVE SCOPE OF TESTING SERVICES

MATERIALS

- Chemical Analysis
- Coatings Testing
- Composites & Polymers Testing
- Corrosion Testing
- Failure Analysis
- Fatigue and Fracture Mechanics
- Mechanical Testing
- Metallurgical Testing
- Powder Characterization
- Specimen Machining
- Stress and Creep Rupture
- Weld Testing
- And many more

NON-DESTRUCTIVE

- Eddy Current
- Etch
- Liquid Penetrant Testing
- Magnetic Particle Inspection
- Positive Material Identification
- Radiographic Inspection, Film and Digital
- Remote Witnessing
- Ultrasonic Testing
- Visual & Weld Inspection
- And many more

PRODUCT QUALIFICATION

- Aircraft & Avionic Component Testing
- Custom Configurations
- Dynamics Testing
- Electromagnetic Compatibility Testing (EMC / EMI)
- Environmental & Climatic Simulation
- Fire & Flammability
- Fuel Systems
- Hydraulics & Pneumatics
- Impact
- MIL-STD-810 & RTCA DO-160
- Structures
- And many more