



**A LEADING MATERIALS TESTING PARTNER
YOU CAN TRUST**

OVERVIEW

ELEMENT ST. PAUL

The most diverse materials laboratory in the Midwest since 1938, Element St. Paul partners with companies in almost every industry. To support a broad range of products and materials, we offer metallurgical analysis, nondestructive testing, welding engineering, construction materials engineering, and chemical analysis services. In addition, the St. Paul laboratory is a full-scale test center for building products, windows and doors, anchors and fasteners, deck & rail products, and mattresses.

Nadcap accredited for non-destructive testing. Element St. Paul is also an ISO/IEC 17025 accredited testing laboratory. Please refer to applicable accreditation certificates.

ELEMENT WORLDWIDE

WHO WE ARE

Element St. Paul is part of a global network of Element laboratories and experts specializing in materials testing, product qualification testing and failure analysis.

ELEMENT MATERIALS TECHNOLOGY

We are the recognized leader in materials technology. We support our customers by leveraging our deep materials expertise and knowledge to ensure quality and integrity in the supply chain for advanced industrial products. With over 180 years of collective experience, we are the preferred partner for our customers' most critical testing needs.

APPROVALS

- ISTA
- NFRC recognized Testing Lab

INDUSTRIES WE SERVE

Our accredited and industry-approved laboratories provide materials testing, product qualification testing and failure analysis for companies in multiple sectors:

- Aerospace & Defence
- Airframe Structures
- Anchor Manufacturing
- Automotive
- Automotive Parts & Components
- Biomedical
- Building & Industrial Construction
- Building Products Manufacturing
- Castings & Forgings
- Commercial Vehicles
- Electronic Systems
- Engineering & Supply Chain
- Exploration
- Fastener Manufacturing
- Ground Support Equipment
- Heavy & Civil Construction
- Heavy Equipment
- Infrastructure
- Land Based Power Generation
- Landing Gear
- Litigation Consultation
- Manufacturing & Other Industries
- Medical Beds & Furniture
- Missile & Space
- Nondurable Goods Manufacturing
- Nuclear Energy
- Oil, Gas, & Chemical
- Pipeline Distribution
- Plastics & Polymers Manufacturing
- Primary Metals
- Power Generation
- Rail & Light Rail
- Refining
- Shipping & Maritime
- Solar Power Generation
- Transmissions Systems
- Transportation

OUR SERVICES

- Abrasion & Wear Testing
- Accelerated Weathering Testing
- Anchor Testing, Concrete, Masonry & Stone
- Architectural Acoustic Testing
- Asphalt Testing And Inspection
- Bedding & Mattress Testing
- Brazing Engineering
- Breath Alcohol Ignition Interlock
- Building Product Testing
- Chemical Analysis & Testing
- Climatics & Environmental Simulation
- Composites Testing
- Concrete Admixtures & Fiber Testing
- Construction Materials Testing & Engineering
- Container & Package Testing
- Contaminant Testing & Analysis
- Corrosion Testing
- Durable Goods And Appliance Testing
- Dynamic Mechanical Analysis
- Dynamics Testing
- Engineering & Consulting
- Experimental Mechanics
- Expert Witness Services
- Failure Analysis & Consulting
- Fastener Testing
- Fatigue Testing
- Finite Element Analysis (Fea)
- Flame & Flammability Testing
- Foam Testing
- Fractography Services
- Fracture Mechanics & Fracture Control
- Furniture & Mattress Testing
- Geotechnical Engineering Services
- Hydraulics/Pneumatics Testing



- Investigative Chemistry
- Liquids & Fuels Testing
- Material Properties Testing
- Material Selection
- Materials Identification
- Materials Testing
- Mechanical Testing
- Metallography & Microscopy
- Metallurgical Analysis
- Nondestructive Testing & Inspection
- Nondurable Goods Testing
- Nonmetals Testing
- Product Testing Services
- Ozone Testing
- Paints & Coatings Materials Analysis
- Polymer Testing & Analysis
- Railing And Decking Testing
- Reverse Engineering & Deformation
- Stress Rupture/Creep Testing
- Stress-Strain Analysis
- Temperature & Thermal Testing
- Welding Engineering
- Certified Welding Inspector Services

MAIN EQUIPMENT

- 15,000 Force Pound Shaker
- 500K lbs. Reaction Frame
- Anchor Testing Equipment (Standard, Seismic, Shear & Moving Crack)
- BAIID Testers
- Bedding and Actuator Testing
- Brake Hose Testing
- Deck & Rail Testing Set-Up
- Dynamic Mattress Testing Equipment (Rollator & Cornell)
- Flammability Chambers
- NFRC Validation Chamber
- Onsite & Field MT, PT, UT (not Nadcap) Nondestructive Testing Equipment
- Pressure Testing Equipment
- Sgcc Equipment
- Stress/Strain Measurement Equipment
- Universal Fatigue Machines

ACCREDITATIONS

- Nadcap
 - MT, PT, and RT
- A2LA
 - 0098.03, 0098.04, 0098.05, 0098.15
- ISO 17025
- CCRL
- AASHTO

WHY ELEMENT ST. PAUL

Element St. Paul is one of the Midwest's most established and versatile materials laboratories, delivering trusted testing and engineering expertise across industries. With Nadcap recognition for NDT and ISO/IEC 17025 accreditations, we provide metallurgical analysis, nondestructive testing, welding engineering, and chemical analysis with precision and reliability. As a full-scale test center for building products, anchors, fasteners, and more, we combine technical depth with real-world application insight. Customers partner with us to reduce risk, accelerate qualification, and strengthen supply chain confidence. Backed by Element's global network, our local experts deliver responsive service, actionable data, and the confidence needed to move critical programs forward.

