

Element Materials Technology Karlskoga

Heritage-backed materials expertise
with defense-grade precision.



We operate a specialized materials testing facility with historic roots in the Bofors metal testing laboratory. Our team in Karlskoga, Alfred Nobel's hometown, helps clients achieve exceptional quality and reliability through comprehensive testing services with rapid turnaround times.

Our specialized expertise:

- **Advanced Mechanical Testing**

We specialize in comprehensive mechanical evaluations including tensile, fatigue, fracture toughness, and hardness testing for metallic materials.

- **Precise Metallography**

We provide detailed metallographic analysis to examine microstructure and identify material anomalies with exacting precision.

- **Expert Failure Analysis**

Our failure investigation capabilities help identify root causes and develop preventive solutions to enhance product reliability.

- **Rapid sample Preparation**

Our extensive resources for sample machining and specimen manufacturing accelerate testing processes with quick turnaround times.

Why choose Element Karlskoga?

We combine deep metallurgical expertise with efficiency and accessibility, offering rapid response times and quick turnarounds. Our heritage in defense industry testing means we bring uncompromising precision to every project. We approach each testing requirement with meticulous attention to detail, ensuring reliable results that inform critical decisions about your materials and products.

Success by the numbers

Our facility conducts thousands of tests annually with consistently high accuracy rates. Our continuous investment in technical capabilities builds on our historic foundation while embracing cutting-edge methodologies to deliver exceptional testing services.

Take the next step

We're here to support your materials testing needs with our specialized expertise.

Schedule a consultation to discuss your testing requirements, or **request a sample analysis** and experience our rapid turnaround capabilities.

Accreditations and Approvals

We hold ISO 17025 accreditations for testing procedures along with ISO 9001, ISO 14001, and ISO 45001 certifications. We're also approved by key industry leaders including Rolls-Royce.

Connect with our team

Element Materials Technology Karlskoga

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