



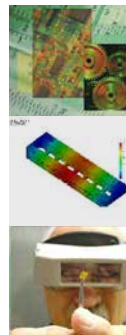
Rexnord Innovation Center Services Overview

- Independent, ISO/IEC 17025:2005, A2LA accredited test and analysis laboratory
- More than 30 years of product and application expertise
- Experience in mechanical, materials, chemical and metallurgical engineering
- State-of-the-art equipment and processes
- Innovative solutions for a broad range of industries

Testing, Analysis & Engineering Services

As an independent, accredited laboratory, the Rexnord Innovation Center specializes in technology-driven product development and process validation. Our Rexnord Technical Services (RTS®) offering includes confidential testing, analysis and engineering services that customers across a broad range of industries have relied on for more than 30 years.

Our highly-skilled engineers, technicians and scientists have a broad range of experience in the fields of mechanical, chemical, metallurgical and materials engineering. Our team of industry experts uses innovative processes and state-of-the-art equipment to research, design, prototype, test and develop new and improved products.



Mechanical Testing - Load Fatigue & Durability, Shock & Vibration, Strength of Materials

Material Analysis - Metallic, Polymer & Composite Material Analysis, Metrology & Precision Measurements, Environmental/Accelerated Aging

Engineering Services - On-site Testing and Analysis, Custom Test Fixtures, Competitive Product Evaluation, Design & Structures Engineering Support, Litigation Support

Capabilities



Components Expertise

- Chains
- Couplings
- Gearboxes
- Valves
- Crankshafts
- Connecting Rods
- Airframe Control Bearings
- Other Industrial Components

INNOVATION CENTER EXPERTISE



Industries Served

- Aerospace
- Automotive
- Energy
- Food & Beverage
- Mining
- Water Management
- Transportation & Shipping
- Manufacturing

Contact one of our experts to schedule a complimentary consultation and learn more about our capabilities.

Contact Information

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This laboratory is accredited by the American Association for Laboratory Accreditation (A2LA) and the results shown in this test report have been determined in accordance with the laboratory's terms of accreditation unless stated otherwise in this report.



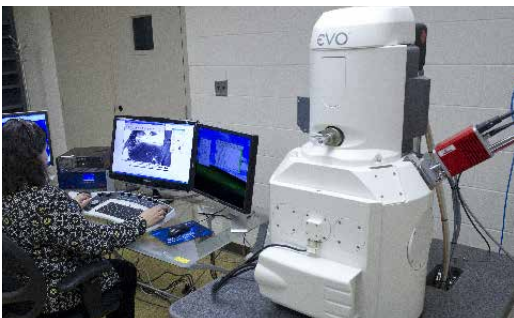
Testing Cert #0584-01



Four square coupling test

Mechanical Testing

Our mechanical engineering services include load fatigue and durability, shock and vibration testing, strength of materials and reliability analysis. We use classical methods of statics, dynamics, thermodynamics, fluid mechanics, as well as experimental and computational tools to understand components and systems. Our test and analysis laboratory is equipped with load frames, servo-hydraulic actuators and controls, open architecture test beds, environmental chambers, electrodynamic shakers, and other state-of-the-art equipment to meet your test requirements.



Examining material local composition using Scanning Electron Microscope (SEM)

Material Analysis

Material analysis applications range from research and development of new materials for new products and applications to continuous improvement and corrective action through forensic engineering and failure analysis. The Rexnord Innovation Center has a long history of providing metallurgical services for ferrous and non-ferrous materials, alloy steels, polymers, and composites.

Additionally, our Scanning Electron Microscope (SEM) allows our analysts to not only take a closer look at the problem areas by examining the fracture surface, but also the local composition through Energy Dispersive Spectroscopy (EDS).



Field installation of condition monitoring devices on portable crushing plant

Engineering Services

Our engineering services include on-site testing and analysis, custom test fixtures, competitive product evaluation, design and structures engineering, and litigation support.

The on-site testing and analysis services bring the science to your site. Our experts will travel to your location to understand and observe your unique situation, acquire and evaluate data and implement improvements. We have performed on-site testing and analysis around the world including locations with extreme cold, heat and humidity.

We have the ability to design and fabricate custom test fixtures to meet specifications or to simulate service environments.

In addition, we also offer unbiased, competitive product evaluation services. Our design and structure engineers can work independently or as part of your team to provide design ideas.

Our highly qualified, licensed engineers and PhD level scientists can be at your side to serve as expert witnesses, if litigation support is needed.