Stein Seal® Company
Dynamic Test Laboratory

In Stein Seal Company's dynamic test laboratory, we can accurately simulate the extreme limits of operating conditions which allow us to predict and verify performance under the most rigorous operating conditions. The lab is comprised of over 7,000 square feet (650 square meters) of floor space and staffed by a full time group of technicians. Each of our 20 dynamic test rigs is custom designed to meet Stein Seal's high standards and each can be reconfigured quickly for multiple programs to provide fast, concurrent and cost-efficient testing for our customers. While test shafts on most rigs are mounted horizontally, Stein Seal Company has test rigs with vertical and tilts shafts to simulate those operational environments. Stein Seal has test rigs for multi-shaft operation and the ability to dynamic test under heavy vibration. The Stein Seal test laboratory is ideal for aviation and industrial testing applications along with pure Research and Development.

Stein Seal's testing expertise and equipment are also available to our customers so they can validate their own designs or non-seal related components or system. Stein Seal Company is willing to offer co-operative testing cost in cases where the end product would lead to production work for Stein Seal. Listed are some general test capabilities, for more specific information please contact Stein Seal Company directly.

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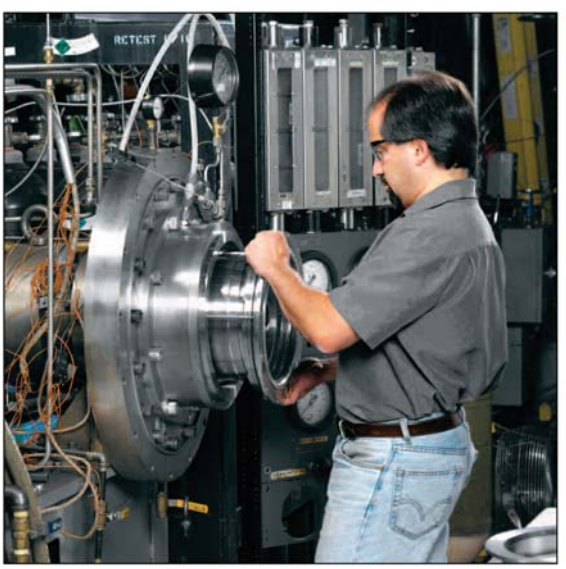
General Test Capabilities:

Seal Diameter: up to 60 cm (24 Inches)
Shaft Speed: up to 70,000 RPM
Oil Pressure: up to 27,479 KPa (4,000 PSI)
Gas Pressure: up to 19,305 KPa (3,000 PSI)
Temperature: up to 704°C (1,300°F)
Rotational Power: up to 200 HP
Maximum Air Flow: 1400 CFM at100 PSI
430 CFM at 300 PSI
40 CFM at 600 PSI

Instrumentation:

Digital Temperature Indicators
Vibration Monitors
Vibration Tables
Digital Flow Meters for air, oil and water flow
Analog Flow Meters for air, oil and water flow
Digital Tachometers
Temperature Controllers
Moisture Monitors
Proximity Probes
Oscilloscopes
Round the Clock Testing
Off-Site Monitoring
Digital Data Acquisition is available for monitoring rig and seal test conditions.

The listed General Test Capabilities and Instrumentation are not limitations. Please contact the Stein Seal Company for your specific requirements.



All specifications, instrumentation and capabilities subject to change without notice.

For More Information Contact:

Stein Seal Company
P.O. Box 316
1500 Industrial Boulevard
Kulpsville PA 19443-0316
U.S.A.

Tel: 215.256.0201
Fax: 215.256.4818
E-mail: sales@steinseal.com
www.steinseal.com

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Printed in U.S.A.

P/N: TL-08