



# High-Speed Test Rigs

Precision, Safety and Intelligent Analysis up to 80,000 rpm

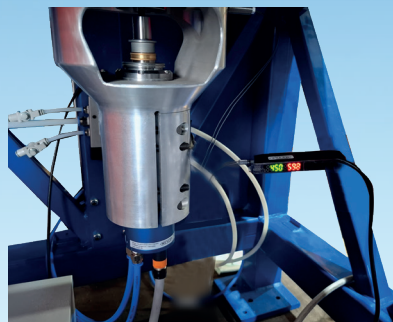
As a manufacturer of advanced high-speed test rigs, we develop and supply powerful testing systems for demanding industrial applications.

MEYLE test rigs are designed in accordance with the latest machinery directives and the highest safety standards, enabling precise and reproducible testing even under extreme operating conditions.

By utilizing powerful **SCADA systems**, MEYLE test rigs provide comprehensive real-time monitoring, control and data acquisition. All relevant measurement data is continuously recorded, visualized and documented, ensuring maximum transparency and full process control.

A key advantage of our systems is the integrated **AI-based data analysis**. Modern algorithms automatically detect patterns, anomalies and optimization potential within large datasets. This enables more efficient testing procedures, shorter development cycles and significantly improved component reliability.

Our solutions feature a modular design and can be individually tailored to customer requirements – from engineering and system integration to commissioning.



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1965-2025  
60 Jahre

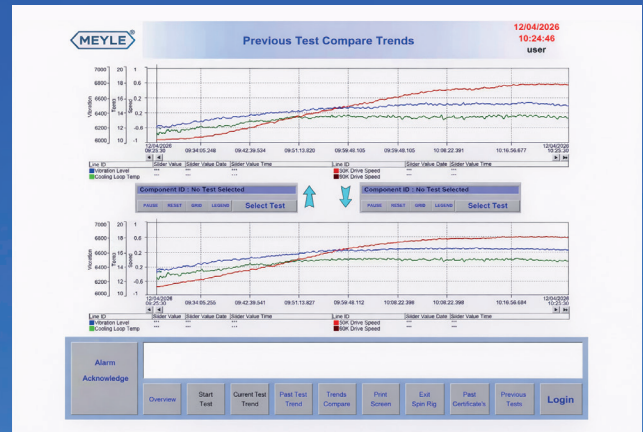


### Your advantages at a glance:

- High-speed test rigs for demanding testing requirements up to 80,000 rpm
- Development in accordance with the latest machinery directives and safety standards
- SCADA-based monitoring, control and data acquisition
- AI-assisted analysis for precise and efficient evaluation
- Customized solutions for industry, research and development

### Typical applications – testing of components for:

- Mechanical seals and dry gas seals in the oil and gas industry
- Turbomachinery components and compressor assemblies
- High-speed rotor and shaft testing
- Tests of traction motors for railway technology to ensure fatigue strength



### Type 2800 Test Certificate

**MEYLE**

Certificate Number :	Cert Number	<b>Test Results</b>
Order Number :	Order Number	<b>PASS</b>
Seal Code :	Seal_Code	Groove Direction Correct <input checked="" type="checkbox"/>
Tested By :	Tester name	Seal Identification Correct <input type="checkbox"/>
Date Started :	Tester name	
Date Finished :	Tester name	
Static Test - Duty Point 1	<input checked="" type="checkbox"/>	
Dynamic Test - Duty Point 2	<input checked="" type="checkbox"/>	
Dynamic Test - Duty Point 3	<input checked="" type="checkbox"/>	
Dynamic Test - Duty Point 4	<input checked="" type="checkbox"/>	
Post Dynamic Test - Duty Point 4	<input checked="" type="checkbox"/>	
General Comments		
General Comments		

I confirm that this Seal has been Assembled and Tested in accordance with Engineering instructions and that it has performed satisfactorily on test.

Signed \_\_\_\_\_ Date \_\_\_\_\_

### MEYLE Test Rig Overview

11/04/2026 11:01:30 user

Seal Identifier :	DRY-123
Job Name :	Dry Gas Seal Test
Production Order Number :	ORD123456
Material Code :	SEAL-XYC789
Sales Order :	SO98765
Test Speed :	35000 RPM
Test Type :	Vibration Analysis
Test Status :	Running
Elapsed Time :	15 Minutes
Hold at Speed Time :	60 Minutes
Remaining Time :	45 Minutes

**Test Passed Print Certificate**

Air Pressure :	32 psig
Vibration Level :	0.52 in/s
Chiller Unit Temp :	12.5 °C

Alarm Acknowledge

Overview Start Test Current Test Trend Past Test Trend Trends Compare Print Screen Exit Spin Rig Past Certificate Previous Tests Login

MEYLE test rigs provide the foundation for safe, reproducible and data-driven testing processes. They support manufacturers and engineering teams in bringing components to market faster, ensuring product quality and minimizing technical risks at an early stage.

**Reliable test results. Safe products. Faster innovation.**

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