

Structural Testing

The HORIBA Contract Testing Team leads the industry in servo-hydraulic structural testing with a full lab of unique configurations, test rig sizes, and setups to accommodate the most challenging performance and durability testing protocols. Pair these capabilities with our wide variety of environmental chamber and software simulation options for a full spectrum of testing possibilities.

A wide-variety of testing options to achieve 2 to 6 degrees of freedom

- Multiple MAST system configurations available to accommodate a range of testing from single component, to full body-in-white, and complete battery pack and instrument panels.
- Both single-axis and multi-axis testing options
- 4 poster testing
- Chassis coupled 4 Poster testing configurations for a variety of vehicle configurations
- Combined structural and rotational wind turbine testing
- High MASS flow rates and temperature cycles for exhaust system testing

Simulation Capabilities: Exclusively from HORIBA

- Service Load Replication (SLR) – Applying customer-specific data to products-under-test using simulation technology
- Road Load Simulation (RLS) – Applying standard data files to products-under-test using simulation technology
- Virtual Battery – The ultimate combination of dynos, DC power converters, connectors and software necessary to simulate the effects of a variety of battery technologies on your application.

Environmental Conditions

- Environmental chambers available to cool (-70°C) / heat (150°C) specimens under test

Torsional Testing

- Rotational loading for fatigue
- Ultimate strength testing



Jay Drake, Lab Manager

