

Four Wheel Drive (4WD) Environmental Wind Tunnel



Visteon's four wheel drive (4WD) chassis dynamometer environmental wind tunnel is designed for full vehicle testing. Offering a wide range of testing capabilities and features, the chamber provides a fully controlled environmental parameters, a state-of-the-art data acquisition system and a 4WD chassis dynamometer capable of performing all-wheel drive testing.

The wind tunnel has the following key features and capabilities:

- Heated road conditions
- Calibrated solar simulation
- Multi-channel high-speed data acquisition
- All-Wheel-Drive capability

Data Acquisition System

- State-of-the-art system — manufactured by MTS Systems, U.S.
- Data collection software is based on the industry standard ADAPT hardware platform
- Collected data is time aligned with dynamometer, environmental and vehicle data
- Up to 100Hz data recording
- Custom automated test schedules can be created
- The data system can control the dynamometer and environmental functions automatically

Staff

- Experienced support staff
- Expertise in automotive components and systems

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