



Model 4900

NVH Chassis Dynamometers

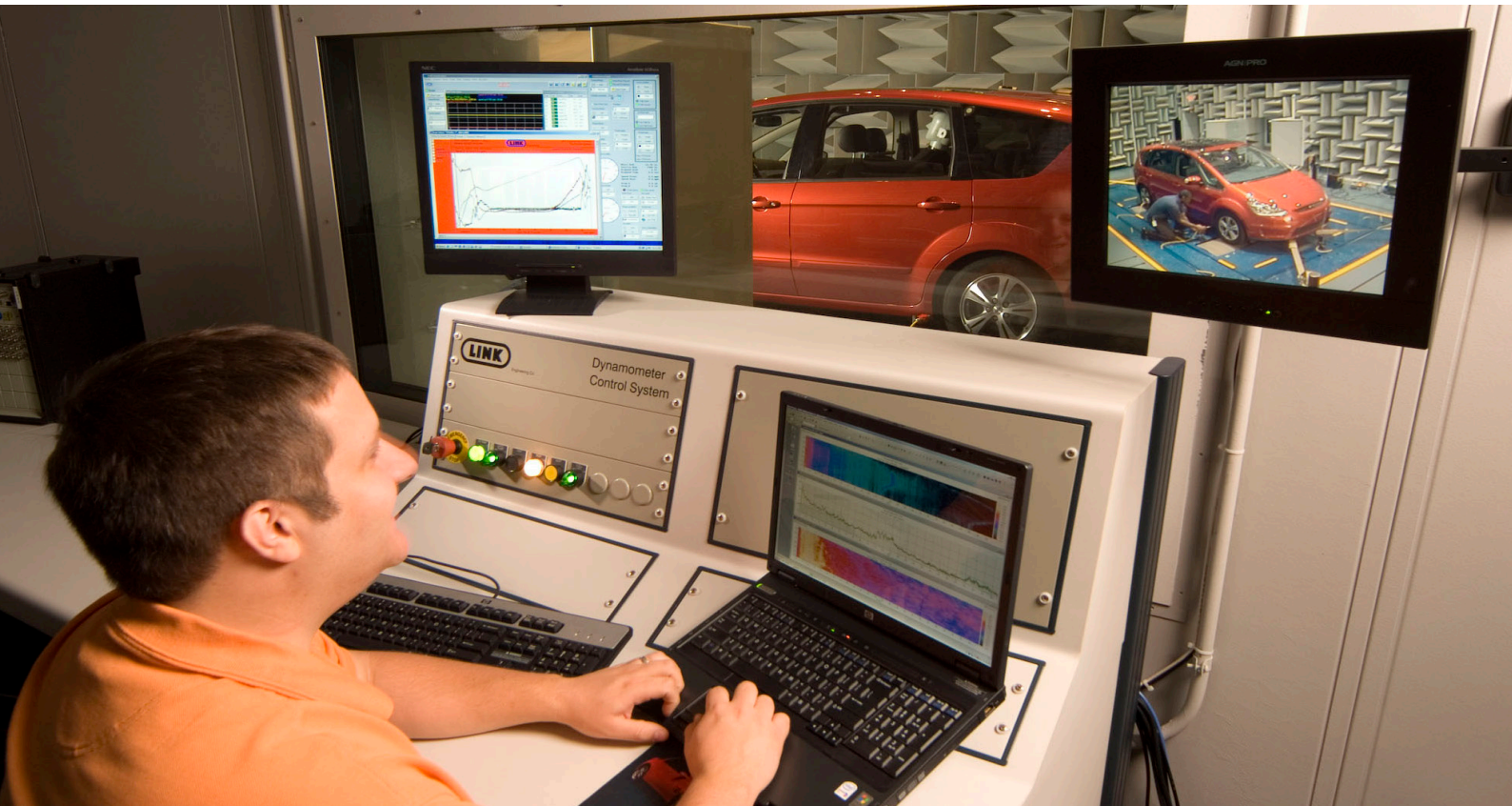


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Product Overview

The NVH Chassis Dynamometers are used to evaluate a wide range of vehicles, from small passenger cars to light trucks, at up to 250 kph. The system can be configured with one, two or four rolls, with each axle, or each individual roll, driven by a motor. The drive motor(s) and power equipment are able to be isolated in a separate room, or noise enclosure. The rolls are completely enclosed, except for the running surface in the room above, keeping background noise levels low. An automated wheelbase adjustment system accommodates a wide range of vehicle wheelbases. The dynamometer can be configured with a noise and vibration evaluation package, a hemi-anechoic test chamber, an environmental control system, and an engine cooling fan. The size of the rolls, their surface treatment, the allowable load range and other parameters are able to be customized to meet specific requirements. A dedicated noise analyzer, controlled by ProLINK software, captures and displays NVH data.



Key Benefits

- ProLINK software integrates all control, measurement, analysis and reporting functions
- Automated system for wheelbase adjustment
- Available hemi-anechoic test chamber for low background noise levels
- Available environmental conditioning unit for temperature and humidity control

Key Features

- Brake Pressure Actuation System
- Spot Cooling at Wheels/Brakes
- Video Capture and Playback System
- Water Misting
- Pedal / Lever Robotics
- NVH Measurement System
- Vehicle Restraint System
- Vehicle Position Sensors (Dyno Shutdown Feature)
- Dyno Testing Indicator Lights
- Unattended Operation

Options

- Hemi-anechoic chamber
- Environmental conditioning system
- Individual drive motors for each road wheel
- Changeable roll surface to simulate various road surfaces
- Pop-up engine cooler
- 1, 2, or 4 - Rolls

Specifications - NVH Passenger Vehicle Chassis Dyno

Installation	Isolated concrete foundation / seismic mass
Noise Acquisition	Up to 18 Channel system
Maximum Axle Load	6800 kg (14991 lb)
Roadwheel Diameter	1850 mm (73 in)
Roadwheel Width	711 mm (28")
Maximum Road Speed	250 kph (155 mph)
Drive Motor Size	149 kW (200 HP)
Vehicle Wheelbase	2.3 m to 5.6 m (90 in to 220 in)
Motor Speed (Base/Top)	300 / 750 rpm

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