

ROUSH®

NVH CHASSIS ROLL DYNAMOMETER

With over 40 years of noise and vibration experience, Roush provides customers with secure acoustic dynamometer testing of vehicle, engine, transmission, brakes and components.

The Roush NVH Chassis Roll Dynamometer is the centerpiece of our vehicle NVH development services. It is available as a stand-alone tool or in conjunction with measurement equipment, mechanical and technical support. It provides an independent facility allowing customers to use their own staff and equipment to perform tests or to utilize the Roush team as required. Our customers can expect accurate, unbiased results with the assurance that Roush will protect customer privacy and confidentiality.

www.roush.com

We're focused, we're efficient, and we're at our best when we're challenged to think outside the box — critical traits when our customers' success depends on how quickly we can take their visions from the sketchpad to the marketplace.

For more information, please [click here](#).



AVAILABLE OPTIONS

- NVH dynamometer with operator
- Data acquisition equipment
- Data analysis systems
- On-site technical/mechanical support
- On-site engineering support



DYNAMOMETER FEATURES

- 4WD NVH Chassis with GE dynamometer and drives partnered with RE REPS controls
- Voltage channel outputs available such as dyno speed, tractive effort and acceleration rate
- Independent dynamometers allow 2WD and 4WD operation
- 72" diameter with smooth surface
- Max outside wheel width: 96"
- Min inside wheel width: 40"
- 300HP absorbing and motoring capability per axle
- Adjustable wheelbase from 95" to 175"
- 12,000lb total GVW (6000lbs per axle)
- 120mph max vehicle speed
- Isolated seismic mass mountings to reduce outside sources of vibration
- Treated roll surface

ROUSH®

www.roush.com

TEST CHAMBER FEATURES

- Interior dimensions: 40' long X 23' wide X 14' high
- Entrance dimensions: 116" tall X 118" wide
- Eckel Noise Control Technologies acoustic wedge walls and doors
- 80Hz acoustic cut-off frequency
- Concrete block outer room for excellent TL/isolation from outside noise
- Background noise level less than 35 dB(A)
- Operating background noise level less than 45dB(A)
- Variable speed blowers for vehicle cooling and exhaust ventilation
- Thermal management system
- Modern personal and vehicle safety systems
- 240V, 40A charging for Electric vehicles



ROUSH®

www.roush.com