

We have one goal — improving the noise and vibration quality of our customers' products. Roush delivers innovative, effective noise and vibration control solutions. By combining advanced analysis capabilities, comprehensive engineering services, and state-of-the-art facilities, Roush has become a proven partner in identifying and resolving challenging noise and vibration issues. Backed by the diverse capabilities of the Roush family of companies, we are uniquely equipped to provide turnkey noise and vibration solutions.

Roush... your silent partner in developing smoother, quieter products.

Physical Testing

In addition to traditional Noise and Vibration Engineering, Roush also provides related physical testing. Services include:

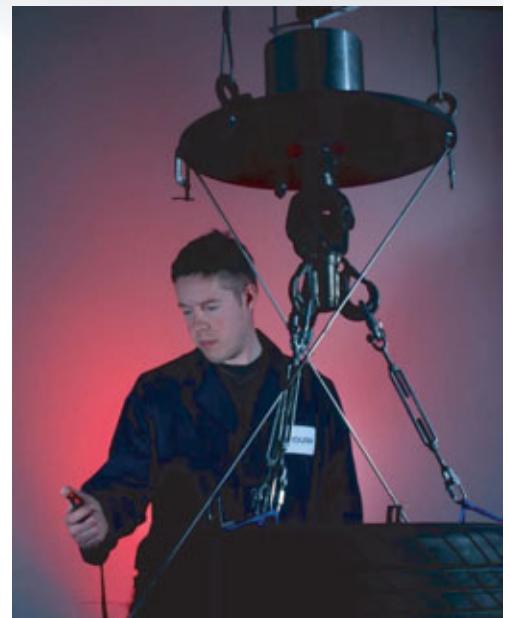
- Custom strain instrumentation and testing.
- Tensile/compression testing.
- Moment-of-inertia and center-of-gravity evaluation.



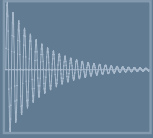
Custom Strain Gauging of a Critical Part



Testing the Strength of a Spoiler Using the 60,000 lb. Tinius Olsen Machine



Moment-of-Inertia Testing Using the Torsional Pendulum



NOISE AND VIBRATION ENGINEERING

Electrodynamic Shaker with Environmental Chamber

Shaker Specs

- 4400 lbf
- 5 - 2500 Hz
- Max Payload: 400 lb
- Max Acceleration: 100 g
- Max Stroke: 26 mm p-p
- Excitation: Swept Sine, Random, Road Input

Chamber Specs

- 1m x 1m x 1m Chamber
- -70 °C to 200 °C
- 20 to 98% RH

Typical Uses:

- Buzz Squeak & Rattle (BSR) Testing
- DV/PV Testing
- Durability
- Brake Rattle



ROUSH.

12011 Market St.
Livonia, MI 48150
Phone: 734-779-7400 or
800-486-3637
Fax: 734-779-7903
NVH@roushind.com

www.roushind.com/nvh