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.

Founded in 1977 as Anatrol Corporation, Roush Noise and Vibration Engineering has been providing consulting and testing services to a wide range of industries for nearly 50 years. As part of Roush Industries, we have the unique ability to provide our customers with seamless access to a variety of capabilities, including product engineering, development, fabrication, and manufacturing.

We are adept at leveraging multiple test methods, ranging from structural analysis to sound quality evaluation. This means that no matter the challenge, Roush is capable of working with you to solve it. We can ensure that our solutions — and your products — are quieter, smoother, and more appealing to your customers.

From automotive and aerospace technologies to consumer products and theme park rides, we continue to provide our customers innovative and effective noise and vibration control products, services, and solutions.

Our services include:

**Engineering and Test Services**
- Solution development
- Design
- Analysis
- Process development
- Material testing
- Product testing
- Manufacturing support and quality control

**Industries Served**
- Automotive
- Aircraft/aerospace
- Heavy truck/commercial vehicle
- Computer/disk drive
- Consumer products
- Government/defense
- Oil and gas
NVH Solution Development Capabilities

- Driveline issue resolution – cars and trucks (2, 4, and AWD), commercial vehicles, RVs, off road, train, submarines
- Powertrain – gas, diesel, electric, hybrid, transmission, transient analysis
- Sound package – analytical and test based design and development
- Acoustic absorption and barriers – design, testing, BEA/SEA analysis
- Acoustic testing – noise reduction, transmission loss, alpha cabin, impedance tube
- Targeted Vibration Reduction – tuned mass dampers, constrained layer dampers, particle dampers
- Vehicle ride – subjective evaluation, target setting, problem resolution
- Road noise – assessment, issue identification, solution development
- System identification – modal testing, operating deflection, transfer path analysis
- Brake issues – squeal, chatter, moans, judder
- Sound quality and psychoacoustics – metric development
- Environmental noise – unattended noise monitoring, environmental noise modeling
- Test stand development – design, build, test
- Structural analysis – strength, durability, strain gauge, wheel force transducers

Product Performance and Suitability:
All information regarding the use of Roush products identified in this datasheet is believed to be reliable by Roush, but are not product specifications and must only be used as a guide. Roush does not represent or warrant that its products are fit for a particular purpose or that they do not infringe any U.S. or foreign patents. Purchaser must independently determine the suitability of the Roush products for their particular application. Unless written otherwise in Roush’s Terms and Conditions of Sale for the product, this datasheet or any verbal statements made by any other distributor, salesman or representative about the product will not be deemed to create an express warranty of any kind.

For more information on Roush’s products and services, please visit our website at www.roush.com.