

ROUSH®

PHYSICAL TESTING

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.

In addition to traditional noise and vibration engineering, Roush also provides related physical testing.

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](#).

SERVICES INCLUDE:

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



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 and rattle (BSR) testing
- DV/PV testing
- Durability
- Brake rattle

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