

# The Lab

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*Acoustics Today* welcomes items for "The Lab." Submissions of about 500 words that may be edited in MS Word or plain text files should be e-mailed to [AcousticsToday@aip.org](mailto:AcousticsToday@aip.org). Graphics must be at least 300 dpi, preferably in TIF format. Text and graphics must be sent in separate files.

## OUTLINE "GLOBE SOURCE RADIATOR"

Acoustical Design Collaborative, Ltd has been appointed North American representative for the Outline "Globe Source Radiator" (GSR), an innovative omnidirectional loudspeaker for acoustical measurements. An optional matching 4-channel 500-watt/channel power amplifier with built-in noise source and wireless remote control is available. The GSR and Outline power amplifier can be configured to power selected drivers to obtain different radiation patterns, useful for approximating musical instrument sources. The nominal sound power level is 125 dB with the matching Outline power amplifier and has less than 0.5 dB power compression. An optional powered subwoofer extends the response to 40 Hz. The GSR conforms to ISO 3382, ISO 140-3, ISO 140-4, ISO 354, and ASTM E336. The warranty is two (2) years parts and labor. Pricing is available for 3 standard configurations: Basic System (user provides power amplifier), Upgrade System (includes Outline power amplifier, noise source, and radio remote control), and Full-Range System (full Outline system with subwoofer).

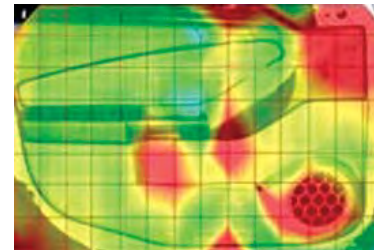
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Globe Source Radiator system

## SENSOUND INTRODUCES PANEL CONTRIBUTION AND VIBRATION MODE TECHNOLOGY FOR NOISE DIAGNOSTICS

During a press conference at U.S. Automotive Testing Expo 2005, SenSound announced a breakthrough in panel contribution and vibration mode analysis technology that provides insight into sound radiation and transmission paths. These new tools respond to the automotive industry's need to be more proactive in addressing noise attenuation and do so in a timelier manner to expedite product development cycles. These tools also help non-automotive suppliers re-engineer their products to meet new stricter European Union (EU) directives and noise regulations for a variety of product categories, or make consumer products quieter to increase customer satisfaction, or make machinery quieter to meet Occupational Safety and Health Administration (OSHA) noise limits.



Sound intensity plot overlaid on an image of a car door indicating noise transmission paths through the door panel (red patches).

SenSound, a technology company spun out of Wayne State University's Acoustics, Vibration, and Noise Control Laboratory in the College of Engineering, has developed software, integrated systems and services that provide easy to implement, accurate, and high-resolution diagnosis of vibro-acoustic sources and sound transmission paths. SenPC provides new means of identifying and ranking relative panel or source contributions, and SenVM allows vibration modes to be identified and, in particular, to isolate sound radiation modes from non-radiating ones. SenPC and SenVM are add-on products to SenAH and SenNS, the company's core software systems which provide quantifiable analysis of sound pressure, velocity and intensity; technology that the company believes will catapult its product as a key tool in Noise, Vibration and Harshness (NVH) laboratories worldwide.

Web: [www.sensound.com](http://www.sensound.com)

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