

# PRODUCT UPDATE

These product bulletins, brochures and catalogs are free.  
To order copies, goto [www.SandVinfo.com](http://www.SandVinfo.com),  
select the July issue and enter RS numbers of interest.

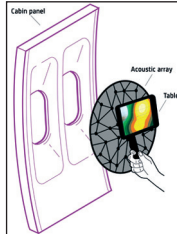
## EDM Modal by Crystal Instruments



EDM Modal is a complete modal testing and analysis suite for experimental modal analysis. Intuitive interface allows effortless management of highly complicated tests involving hundreds of measurement points and multiple excitations. Simple tests are executed quickly and with little effort. [www.crystalinstruments.com/](http://www.crystalinstruments.com/)

RS #221  
Crystal Instruments

## Aim, Shoot . . . and Measure Noise



Brüel & Kjær's new PULSE Reflex Acoustic Camera is a complete kit for real-time noise source identification and data recording, designed to be up and running in 20 seconds. Making it easy to identify and measure non-stationary noise events in areas such as aircraft cabins, cargo bays, and passenger vehicles. Tel: 800.332.2040 [www.bksv.com](http://www.bksv.com)

RS #225  
Brüel & Kjær

## Meet Your New SoundAdvisor



SoundAdvisor Model 831C sound level meter is designed to improve connectivity – via cellular, WiFi, and wired networks. Increase control, and most importantly, offer you access to your meter in real-time via any mobile browser or network connection. [www.larsondavis.com/soundadvisor](http://www.larsondavis.com/soundadvisor)

RS #229  
Larson Davis, a PCB Piezotronics Division

## Anechoic Chambers



Eckel Noise Control Technologies provides a wide range of full- and hemi-anechoic and sound-testing chambers and environments for industrial, academic and scientific applications. Portable chambers for products as small as ear buds and full-sized chambers capable of accommodating gas turbines. [www.eckelusa.com/](http://www.eckelusa.com/)

RS #230  
Eckel Noise Control Technologies

## Sound Intensity Probe



Microtech Gefell offers among its main line of sensors a sound intensity probe that allows simultaneous sound intensity measurement at one point of a room in all three dimensions. A 1/4" constant-current powered preamplifier and 1/8" or 1/4" capsule pairs make measurements from 35 Hz to 10 kHz possible. [www.microtechgefell.de](http://www.microtechgefell.de)

RS #222  
Microtech Gefell GmbH

## Acousti-Mat Noise Control Systems



Ideal for multi/single-family, commercial and renovation projects, Acousti-Mat Systems install quickly and provide noise reduction in any floor/ceiling assembly. Installed in an entire project and then topped with Maxxon Underlayment, the system also adds fire resistance and provides a flat surface compatible with any finished floor system. [www.Maxxon.com](http://www.Maxxon.com)

RS #226  
Maxxon Corp.

## Waterproof Triaxial Accelerometers



Kistler triaxial ceramic shear 8763B and triaxial PiezoStar® 8766A accelerometer families are now available with additional waterproof integral cables. With a mass of only 4 grams and a variety of ranges from 50 to 2000 g, these units offer watertight solutions that are IP68 certified up to 14 bar. [www.kistler.com](http://www.kistler.com)

RS #231  
Kistler Instrument Corp.

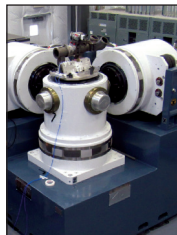
## Octave Sound Level Meters



BSWA's new-generation octave sound level meters update dual-core (DSP+ARM) architecture to single-chip ARM with FPU, and all fixed-point calculations to floating point, which significantly improves accuracy and stability. Re-designed analog front-end circuit lowers noise floor and increases linear range. Contact: [liuwei@bswa.com.cn](mailto:liuwei@bswa.com.cn) [www.bswa-tech.com](http://www.bswa-tech.com)

RS #223  
BSWA

## MIMO (3DOF) Vibration Test Facility



VFL offers 3-axis vibration testing on two 11,000 lbf systems (force rating per axis). One has a chamber for combined environmental testing. VFL's 44,000-lbf shaker system has dual-slip tables and also offers testing on 11,000-lbf, 4"-stroke electrodynamic system with environmental testing chamber. [www.vflaboartory.com](http://www.vflaboartory.com)

RS #227  
Vibration Fatigue Lab

## Three-Axis Shaker



Dongling Technologies delivers three-axis shaker systems with a force rating of up to 17,600 force pounds in each axis. Dongling design and innovation have made these three-DOF systems capable of up to 2000 Hz. Tel: 616.583.8246. [www.donglingusa.com](http://www.donglingusa.com)

RS #232  
Dongling Technologies USA

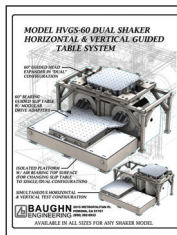
## Low-Noise, Prepolarized Microphone



This industry exclusive, half-inch, low noise microphone measures to 6.5 dB in a cost-effective, 0V design. Applications for this high-sensitivity, Model 378A04 mic include: computer drive testing, electronic vehicle sound quality, white-goods sound power and general low-noise testing. [www.pcb.com/low-noise-mic](http://www.pcb.com/low-noise-mic)

RS #224  
PCB Piezotronics, Inc.

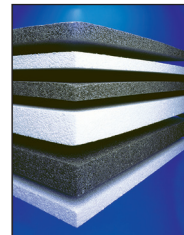
## Dual-Shaker Guidance System



The HVGS System provides a unique and compact solution for simultaneous testing in the vertical and horizontal test axes using two customer-provided shakers. The system allows one or both shakers, to operate in the vertical and/or horizontal axes. Various sizes are available. Contact: [fixtures@baughneng.com](mailto:fixtures@baughneng.com)

RS #228  
Baughn Engineering, Inc.

## Sound Silencer™ Acoustical Panels



Sound Silencer acoustical panels feature Class-A fire rating in both STC and NRC values. Impact-resistant PEPP panels are perfect for gyms, ice rinks, swimming pools, clean rooms, food prep areas, anywhere noise control is important. Panels can be applied directly to walls and ceilings. [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

RS #233  
Acoustical Surfaces

### Spectral Dynamics Shakers



Spectral Dynamics, a trusted name in vibration testing for more than 50 years, now offers a complete line of electrodynamic shakers and shock testing machines. For modal, MISO or MIMO, we have shakers from 12 pounds to 12 tons of force – or more [www.spectraldynamics.com](http://www.spectraldynamics.com)

RS #234  
Spectral Dynamics, Inc.

### 18,000-lbf, Air-Cooled, 3-In Stroke Shaker



The new K180 Vibration Shaker from UD is rated at 18,000 lbf Sine, 18,000 lbf random and 34,000 lbf shock, making it the highest force, all-air-cooled system available. The K180 is available for vertical and horizontal testing and can be outfitted with a guided or unguided head expander. [www.udco.com](http://www.udco.com)

RS #239  
Unholtz-Dickie

### PULSE Reflex Measurements



Transducer Smart Setup is a mobile application that works in combination with data matrix codes (similar to QR codes™) on transducers to simplify and automate multi-channel test setups. The data matrix code also provides instant access to specifications and calibration information. Tel: 800.332.2040 [www.bksv.com](http://www.bksv.com)

RS #244  
Brüel & Kjær

### Portable DAQ and Analyzer



The ObserverVR1000 portable data acquisition and analyzer is available in either 4/16 channels that include GPS, mic, tachometer, high sampling rate, TEDS, and Wi-Fi capabilities, among other features. Quickly gain confidence in field recording while obtaining accurate, precise results; customize as needed. [www.vibrationresearch.com](http://www.vibrationresearch.com)

RS #235  
Vibration Research

### Versatile Low-Noise Accelerometer



Dytran's 3263A sensor series offers lightweight, high-frequency response triaxial accelerometers for multiple NVH testing and modal and structural analysis. Robust, low-noise sensor is miniature (0.48" x 0.48" x 0.44"), allowing for small footprint and low mass, which minimizes "mass loading" effects. [www.dytran.com](http://www.dytran.com)

RS #240  
Dytran Instruments

### Properties of Acoustical Materials



Spectronics' ACUPRO system takes the guesswork out of using sound-absorbing materials. Make your own measurement of sound absorption or transmission loss; don't rely on suppliers' data any longer. Use your DAQ system or one we supply. Tel: 859.321.1843 [www.spectronics.net](http://www.spectronics.net)

RS #245  
Spectronics, Inc.

### In-Vehicle Logging with DSA 2.9



Signal.X Technologies has released a major update to its proven NVH analyzer that includes the ability to log CAN data (such as vehicle bus or GPS receiver) alongside high-speed data. For in-vehicle logging, the new logging module provides a touch-friendly HMI and easy navigation and recording. [www.signalxtech.com](http://www.signalxtech.com)

RS #236  
Signal.X Technologies LLC

### Accelerometer Calibration Systems



Complete primary and secondary accelerometer calibration systems for measuring shock from 20 g to 200,000 g and acceleration from 0.4 to 50,000 Hz. Free technical data sheets on more than 12 types of calibration systems at [www.spektra-usa.com](http://www.spektra-usa.com). Tel: 949.234.9791

RS #241  
SPEKTRA

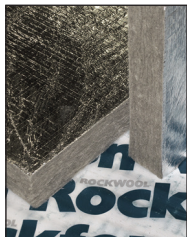
### SQobold – Unmatched Portability



SQobold offers the utmost in portability for sound and vibration recordings and analyses; no need to lug along a tablet. Four channels of data input includes onboard GPS and video inputs for further documentation. Functions include sound level measurement and various analyses such as FFT, octave, specific loudness and sharpness. [www.headacoustics.com](http://www.headacoustics.com)

RS #246  
HEAD acoustics

### Plenum Barrier Board



Rockfon Plenum Barrier Board is a foil-faced, stone-wool barrier placed vertically in the plenum above the ceiling along interior walls that stop at ceiling height. When combined with Rockfon ceilings, high sound isolation tested up to STC 52 can be achieved between adjacent rooms without needing to extend walls full-height. [www.rockfon.com](http://www.rockfon.com)

RS #237  
Rockfon

### New Signal Conditioners



TEAC announces a new line of signal conditioners and displays for charge, IEPE and strain inputs. Unique features for the charge/IEPE conditioners include USB setup, selectable filters and battery operation. Strain display unique features are TEDS, color LCD display with multiple modes, view waveform profiles, 20 KS/s. <http://teac-ipd.com/>

RS #242  
TEAC America

### Modal Analysis with ME'scopeVES



ME'scopeVES contains all of the tools to visualize, analyze and document noise and vibration problems in structures and machinery. A variety of ODS, modal, and operating modal techniques are available, as well as advanced SDM and FEA model updating tools. [www.vibetech.com](http://www.vibetech.com)

RS #247  
Vibrant Technology, Inc.

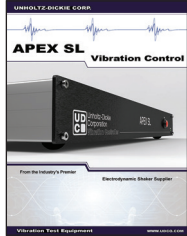
### Designing Sound for Your Vehicle



VSOUND is a sound-generation system for vehicles. It is both an integral part of Brüel & Kjær's NVH Simulator suite, enabling interior and exterior sounds to be evaluated while driving on actual roads, and part of the final vehicle in the sound profile created. Tel: 800.332.2040 [www.bksv.com](http://www.bksv.com)

RS #238  
Brüel & Kjær

### APEX SL Vibration Controller



The UD Apex SL Controller features a slim-line chassis with up to 32 input channels. Features include USB connectivity, 24-bit A/Ds, IEPE current source and TEDS. Software for sine, random, shock SOR, ROR, SRS, RD and multi-sine are offered. [www.udco.com](http://www.udco.com)

RS #243  
Unholtz-Dickie

### Phantom-Powered Preamp



Interchange multiple test microphone cartridges for unique test requirements. Model 426A14 adapts to IEC 61094-4 compliant, prepolished microphones for loudspeaker design, microphone and amplifier modeling, live sound or HD recording or any test using 48V power. [www.pcb.com/phantom-power](http://www.pcb.com/phantom-power)

RS #248  
PCB Piezotronics, Inc.