

# LITERATURE UPDATE

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

## MIMO Control from Spectral Dynamics



For Multi-Shaker testing, come to the people who invented modern Multi-shaker/Multi-axis Control. Full Matrix update and Control of the desired Translational, Rotational and Torsion Vectors. With real Random, Swept Sine, Transient Waveforms and continuous Replication. Real-Time Square and Rect-angular control.

RS #221  
Spectral Dynamics, Inc.

## Introducing PULSE Reflex



Designed in close cooperation with end-users from diverse sectors of industry across the world, PULSE Reflex has ease of use and high-productivity concepts at its core. PULSE Reflex gives you: Intuitive user interface, powerful data management and enhanced reporting opportunities. Tel: 800.332.2040 [www.bksv.com](http://www.bksv.com)

RS #225  
Brüel & Kjær

## Control Noise, Optimize Performance



Featuring Atomuffler and Bantam brands, along with porous metal filters and silencers, we have been making industrial noise control devices that promote clean and quiet pneumatic operations for more than 60 years. Proudly made in the USA. Tel: 440.237.9630 [www.alwitco.com](http://www.alwitco.com)

RS #229  
Allied Witan Company

## All-Air-Cooled High-Force Shaker System



K-Series Vibration Test Systems are rated up to 17,000 lbf sine, 16,000 lbf random, and 34,000 lbf shock. High-performance 3-inch-stroke shakers are the only ones in this force range that are all air cooled. All systems are 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 #230  
Unholtz-Dickie Corp.

## BSWA Impedance Tube System



BSWA SW series Impedance Tubes measures sound absorption coefficients and impedance according to ISO/ASTM standards based on the transfer function method. Work with cut samples or directly in the field. Complete system includes tubes, microphones, DAQ hardware and software. E-mail: [info@bswa-tech.com](mailto:info@bswa-tech.com) [www.bswa-tech.com](http://www.bswa-tech.com)

RS #222  
BSWA Technology Co., Ltd.

## Environmental Noise in Full Color



The CEL-630 is data logging sound level analyzer with full-color and high-resolution LCD, large memory and ease of use. It's not necessary to choose what to measure - CEL-630 measures everything on a wide single range. Collect noise data in periods and short time history profiles. [www.casellausa.com](http://www.casellausa.com)

RS #226  
Casella USA

## New 2010 Measurement Product Resource



Meggit Sensing Systems released its 2010 Measurement Product Resource, a catalog, highlighting select models of high-reliability Endevco, Sensorex, Vibro-Meter and Wilcoxon Research sensing technologies for aerospace, automotive, industrial, R&D and test and measurement markets. Download a free copy from [www.endevco.com](http://www.endevco.com).

RS #231  
Meggit Sensing Systems

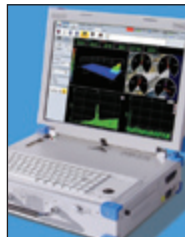
## Accelerometer Calibration Systems



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 #223  
SPEKTRA

## Portable Analyzer with 8 Input Channels



DEWE-3110-DSA-8 is configured in a notebook computer form factor, with a flip-up 17" touchscreen, 8 dynamic inputs with 24-bit resolution and sampling up to 200 kS/s/ch. Includes DEWESoft-7-DSA software, which includes FRF, FFT, 3rd-octave, order tracking, sound level meter and more. Battery powered, 2-3 hrs without external power. [www.dewamerica.com/dsa](http://www.dewamerica.com/dsa)

RS #227  
Dewetron, Inc.

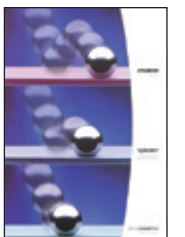
## High-Resolution Acoustical Camera



The Norsonic N-848 has high resolution with 225 microphones and is easy to field set up (power cord and single LAN cable to a computer). Sound from every microphone and video is recorded. FFT, 1/3rd OB, or 1/1 OB. Tel: 800.224.3813 [www.scantekinc.com](http://www.scantekinc.com)

RS #232  
Scantek, Inc.

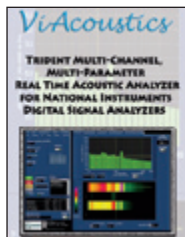
## Vibration Isolation Elastomers



Getzner Werkstoffe has developed a wide range of materials for vibration isolation. Sylomer has an impressive track record, and has been used throughout Europe. Soundown Corporation is now supplying OEM and architectural applications in North America. Contact: 800.359.1036 or [www.soundown.com](http://www.soundown.com)

RS #224  
Soundown Corporation

## Acoustic Measurement Software



ViAcoustics provides acoustic measurement software for National Instruments hardware. Applications for sound level measurement, sound quality analysis and building acoustics are available. Turnkey solutions for laboratory and production testing include GRAS microphones and ETS Lindgren test enclosures. Tel: 512.531.6442 [www.viacoustics.com](http://www.viacoustics.com)

RS #228  
Viacoustics

## Acoustical Products and Systems



Eckel offers high-performance acoustic test facilities for reliable sound measurement/assessment of products/systems; noise control panels for improving the acoustic environment in educational, recreational, commercial, institutional, and industrial facilities; modular noise-isolating enclosures; audiology rooms/suites.

RS #233  
Eckel Industries, Inc., Acoustic Division

### Dynamic Signal Analyzer



2/4/8/16 inputs and one signal source. Sample all inputs up to 102.4 kHz. 130 dB dynamic range. Continuous recording at full speed. FFT sizes up to 28k lines. FRF, octave, order tracking. Less than 4 lbs, +8 hours of operation, 5.7" color LCD. Ethernet, USB, SD Card. Tel: 408.986.8880.

RS #234  
Crystal Instruments

[www.go-ci.com](http://www.go-ci.com)

### Thinner, Faster, Quieter Floors



New Acousti-Mat® LP (Low Profile) or LPR (LP with Reinforcement) is the thinner, faster way to quiet floors. Floor goods can be glued directly to the <1/16-inch-thick Acousti-Mat LP in concrete, wood, or steel-frame construction. The low profile 3/4-inch Acousti-Mat LPR system is ideal for apartment construction.

RS #239  
Maxxon Corp.

[www.amlowprofile.com](http://www.amlowprofile.com)

### Noise Control Enclosures



Sound-attenuating Eckoustic® Modular Panels (EMPs) – pre-engineered, structurally strengthened 4 in. thick STC41 & STC45 acoustical panels – combine outstanding noise control properties with unusual versatility. EMPs are designed for quickly constructing rugged, free-standing enclosures or sound barriers.

RS #244  
Eckel Industries, Inc., Acoustic Division

### PCB Piezotronics Aerospace Ground Test



PCB Piezotronics, A&D Division, announces the launch of its Aerospace Ground Test Catalog. The new catalog provides sensor selection by test application: high-temp, ground vibration, acoustics and static/fatigue testing. Download at [www.pcb.com/GroundTest](http://www.pcb.com/GroundTest) or request hardcopy via E-mail: [prospects@pcb.com](mailto:prospects@pcb.com). Tel: 866.816.8892

RS #235  
PCB Piezotronics

### Rotor Dynamics and Bearing Software



Advanced Rotating Machinery Dynamics (ARMD) software has been proven effective by companies worldwide. The most advanced software for bearings, rotor dynamics and torsional vibration. ARMD features user-friendly help, graphics and much more.

RS #240  
RBTS, Inc.

Tel: 610.415.0412  
FAX: 610.415.0413  
[www.rbts.com](http://www.rbts.com)

### Dynamic Data Recorders



TEAC LX-100 series features selectable 24/16-bit resolution and uses any capacity flash-memory cards. DC, IEPE and strain input, analog and digital output, LAN-Ethernet interface, and multi-unit record sync. LX also functions as front-end for direct PC HDD recording. Contact: 978.468.4135 or [info@tritekdatasystems.com](mailto:info@tritekdatasystems.com)

RS #245  
Tritek / TEAC Data Recorders

### Data Acquisition Product Guide



Our updated product guide is a comprehensive summary of USB and Ethernet (LXI) data acquisition hardware and software solutions. It's a handy tool to help easily determine solutions for sound and vibration applications. The document can be easily downloaded for viewing on line and in print.

[www.datatranslation.com/productguide](http://www.datatranslation.com/productguide)

RS #236  
Data Translation

### Material Solutions for Peace and Quiet



Sounddown has expanded its materials product line to cover growing customer needs. The approach to product design, selection, and manufacturing is based on professional engineering, understanding NVH science and practical experience with materials. Contact: 800.359.1036 or [www.sounddown.com](http://www.sounddown.com)

RS #241  
Sounddown Corporation

### HEADlines Newsletter



The latest newsletter from HEAD acoustics has articles on new products and applications such as the new flexible data acquisition system, HEADlab; new features for HEAD VISOR for sound source identification; and the new DIC 24X stand-alone compact 24-channel front end. Tel: 248.486.0099

[www.headacoustics.com](http://www.headacoustics.com)

RS #246  
HEADacoustics, Inc.

### Power Amplifiers Save Power and Space



Extend the life of an existing shaker system; replace the original amplifier with a new SA Series. These 100% air-cooled units are >90% efficient and take up less than half the floor space as water-cooled amps. Typically provide at least 10% more random vibration performance and 50% more shock than a comparable linear amplifier. [www.udco.com](http://www.udco.com)

RS #237  
Unholtz-Dickie Corp.

### Electrodynamic Exciter Selection Guide



The guide presents The Modal Shop's shaker family highlighted by the Smart-Shaker™ with integrated power amplifier. Specifications are listed for the mini, through-hole modal and dual-purpose platform exciters. Graphical layout and kit configurations simplify selection process, insuring all necessary shaker, amplifier, stingers, blowers and accessories are included.

RS #242  
The Modal Shop

### Modal Analysis with ME'scopeVES 5.0



ME'scopeVES 5.0 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.

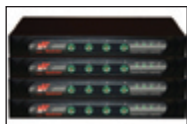
### High Temperature Accelerometers



Dytran's new brochure focuses on IEPE and charge-mode accelerometers for high-temperature applications. Dytran has over 30 years of experience in the successful design and manufacture of high-temperature piezoelectric sensing technologies. For assistance in evaluating your application requirements, e-mail Dytran at [info@dytran.com](mailto:info@dytran.com).

RS #238  
Dytran Instruments, Inc.

### The Latest in Vibration Control



Vibration Research designs and manufactures innovative vibration control systems for electro-dynamic and servo-hydraulic shakers. We recently introduced the VR9500 Revolution controller with features including 108-kHz sample rate, up to 26,000 lines of resolution, up to 32 kHz control frequency. [www.vibrationresearch.com](http://www.vibrationresearch.com)

RS #243  
Vibration Research Corp.

### World's First Multifield Microphone



Brüel & Kjær announces the launch of the world's first multifield measuring microphone. Type 4961 is a unique 1/4-inch measuring microphone with the same low noise floor as a 1/2-inch microphone, and optimized multifield response. Tel: 800.332.2040

[www.bksv.com](http://www.bksv.com)

RS #248  
Brüel & Kjær

### Low-Cost Vibration Test Systems



100 lbf system \$6466, complete with vibrator, base, blower, linear low-distortion amplifier, all cables and hoses. Low-cost digital controller converts PCs to powerful vibration controllers. Low as \$3995 for sine. \$7990 for new complete 4-channel control package.  
[www.vts2000.com](http://www.vts2000.com)

**RS #249**  
**Vibration Test Systems**

### Acoustic Test Facilities



Eckel's high-performance, quality engineered anechoic and hemi-anechoic chambers, SuperSoft® chambers, reverberation rooms, and test enclosures provide the precision environment for conducting accurate acoustic measurements. Several styles of anechoic wedges are offered to meet all frequency requirements.

**RS #250**  
**Eckel Industries, Inc., Acoustic Division**

### LAN-XI Acquisition Hardware



Imagine using the same equipment to make a multi-channel measurement using several large rack systems one day, and a simpler two-channel measurement using a single module the next. With LAN-XI this is reality. One system does it all

Tel: 800.332.2040  
[www.bksv.com](http://www.bksv.com)

**RS #251**  
**Brüel & Kjær**