

LITERATURE UPDATE

These product bulletins, brochures and catalogs are free.
To order copies, goto www.SandVinfo.com,
select the July issue and enter RS numbers of interest.

Data Acquisition & Analysis Systems



Prosig's 2007 catalog showcases the P8000/DATS integrated precision sound & vibration measurement and analysis systems. The catalog contains great reference material on specifying and selecting transducers. It also explains how to access Prosig's free web-based signal processing tutorials and application notes.

RS #221
Prosig USA Inc.
www.prosig.com

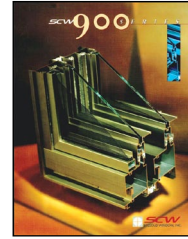
New G.R.A.S. Catalogue



Precision measurement microphones covering SPLs from -15 to +194 dB, 0.1 Hz to 200 kHz, lab standards & field measurements. preamplifiers, outdoor microphones, arrays, ear & mouth simulators, Kemar manikin, calibration equipment, front-end conditioners, etc.

RS #225
G.R.A.S. Sound & Vibration
www.gras.us

High-Performance Acoustical Windows



St. Cloud Window specializes in ultra-high-performance acoustical windows with STC ratings up to 60. Our products and expertise allow us to undertake complex, specialized projects. Call 800.383.9311 to request a spec binder or CD-ROM.

RS #229
St. Cloud Window, Inc.
www.stcloudwindow.com

R-Series Vibration Test Systems



Nine R-series vibration test systems include 2 or 3 in. stroke configurations with 16 or 24 in. armatures. The systems are designed to provide reliable performance for medium and high force applications. The R16 supports special applications requiring higher accelerations and frequencies.

RS #230
Unholtz-Dickie Corp.
www.udco.com

RC Assurance™



RC Assurance™ clips act as an impenetrable washer that puts the extra space between the resilient channel and the joist helping eliminate ceiling noise. Space Assurance™ suspends the channel so the gypsum board can be fixed properly. Assures developers that the RC channels are installed properly.

RS #222
Keene Building Products
www.KeeneBuilding.com

Rotor Dynamics and Bearing Software



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

RS #226
RBTS, Inc.
www.rbts.com

Tel: 610.415.0412
FAX: 610.415.0413
www.rbts.com

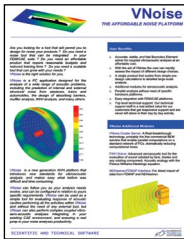
Data Acquisition & Instrumentation



Full-color catalog features product selection guides for complete hardware/software measurement solutions. Included is detailed information about the new IoTech 600 Series of dynamic signal analyzers that are ideal for noise, vibration, harshness and rotating machinery applications.

RS #231
IoTech, Inc.
www.iotech.com

VNoise Multicore BEM



VNoise, the new generation NVH boundary-element package, introduces direct support for recent multicore CPUs. Improve performance of your vibroacoustic and aeroacoustic analyses by a factor of 2 or 4 using dual- or quad-core CPUs. Reliable, accurate and fast analyses on your desktop PC.

RS #223
STS
www.sts-soft.com

Tel: +39.0332.333871 (Italy)
www.sts-soft.com

Tachometers, Stroboscopes, Vibration Meters



Pocket Laser Tachs with TTL output for vibration data collectors. Brightest light battery-operated stroboscopes with TTL output and NIST calibration. Simple one-button operation bearing checker vibration meters for PM checks. Panel tachs and sensor for online vibration monitoring systems. Tel: 800.999.3390

RS #227
Monarch Instrument
www.monarchinstrument.com

Engine Knock Analysis System



KRONOS-V is an automated knock detection/calibrator feedback system for multi-cylinder measurement and recording. It allows real-time spectral analysis of multiple knock events contained in cylinder pressure data or block mounted acoustic transducer data, with automated quantification of signal contents.

RS #232
Spectral Dynamics, Inc.
www.spectraldynamics.com

Kurtosion



A breakthrough in vibration testing brings real-world conditions to the lab. Kurtosion, Vibration Research's new random software innovation, controls both RMS and Kurtosis of the random waveform, allowing more control over the probability distribution and a closer match between real world and test lab.

RS #224
Vibration Research Corp.
www.vibrationresearch.com

Sprayable Vibration Damping Materials



V-DAMP® Sound Deadeners are effective in dissipating structure-borne vibrational energy and reducing airborne noise in a wide variety of products. V-DAMP consists of a range of viscoelastic, sprayable liquid dampers that are very cost-effective in situations where vibration resonances of metal structures are a problem.

RS #228
Daubert Chemical
www.daubertchemical.com

New Dytran Catalog



Dytran's new 36-page catalog features an expanded offering of piezoelectric sensors for industrial monitoring applications, including vibration, pressure, force and structural dynamics. Dytran makes accelerometers, impact hammers and impedance heads, as well as dynamic force and pressure sensors.

RS #233
Dytran Instruments, Inc.
www.dytran.com

2007 Endevco Catalog



Selection guides, products by market and type (accelerometers, transducers, microphones, calibration, cables, electronics and accessories) with complete technical data, calibration systems and services, indication of Test Essential™, Guaranteed In-Stock™ program, technical papers, dynamic test handbook and installation guide.

RS #234
Endevco Corp.

www.endevco.com

Acoustic Test Facilities



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

RS #239
Eckel Industries, Inc., Acoustic Division

Phantom-Powered Measurement/Interface

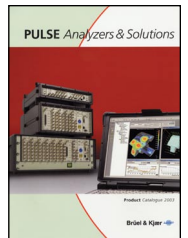


ACO Pacific's Phantom-Powered family brings measurement microphones and IEPE interface to DAT and other recording devices. ACO's 7052PH Type 1.5 and MK224PH Type 1 systems provide 20 kHz and 12-dBA performance. ICP1248 provides a 4-mA IEPE/Phantom interface to power accelerometers and other devices.

RS #244
ACO Pacific, Inc.

www.acopacific.com

PULSE Analyzer Catalog



PULSE based solutions are listed by application. From basic vibration to advanced MIMO modal analysis, simple SPL logging to high channel count beam-forming arrays. PULSE can meet your toughest sound & vibration needs. Vast expandability in both hardware and software.

RS #235
Brüel & Kjær

www.bkhome.com

Accelerometers and Conditioning



Catalog covers Brüel & Kjær's full range of Accelerometers, Impact Hammers, Impedance Heads, Non-contact Transducers, Conditioning Amplifiers, Cables and Accessories. Products are sorted individually into tables listing the most important specifications for easy selection of the right product for your particular measurement needs.

RS #240
Brüel & Kjær

Updated Master Catalog on CD



2006 Master Catalog CD-ROM from Brüel & Kjær features information and reference material for a wide variety of sound & vibration applications. In addition to detailed Product Data sheets, the CD-ROM includes application notes, case studies, system summaries and technical reviews.

RS #245
Brüel & Kjær

www.bkhome.com

Low-Cost Small Vibration Test Systems

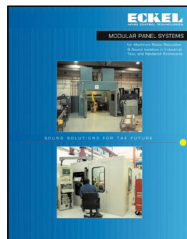


100 lbf system \$5695, complete with vibrator, base, blower, linear low-distortion amplifier, all cables and hoses. Low-cost digital controller converts PCs to powerful vibration controllers. Low as \$3995 for sine. \$7990 for new complete 4-channel control package.

RS #236
Vibration Test Systems

www.vts2000.com

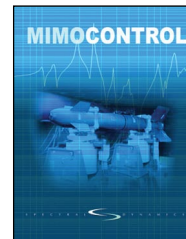
Noise Control Enclosures



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 #241
Eckel Industries, Inc., Acoustic Division

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 Rectangular control.

RS #246
Spectral Dynamics, Inc.

Hand-Held Tachometers

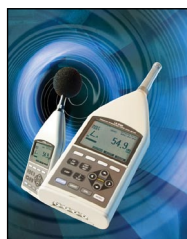


Dual contact/noncontact tachometer with both analog and pulse output, analog signal for recording rotational data at data recorder, etc. Pulse signal for external sampling signal at FFT analyzer for tracking analysis. Wide measurement range from 6.0 r/min to 99999 r/min.

RS #237
Ono Sokki Technology, Inc.

www.onosokki.net

Wide-Band Integrating SLM



The LA-5560 Wide-Band Integrating Sound Level Meter conforms to international and domestic standards and is designed to be easily connected to a PC. An SD memory card and USB connector are provided to meet requirements for processing of measurement data.

RS #242
Ono Sokki Technology, Inc.

www.onosokki.net

Vibration Comparator



The VC-2100 vibration 'watchdog' for go/no go vibration testing of products, facilities diagnosis and machinery inspection. Accepts output from an accelerometer, detects abnormalities in machinery, verifies vibration levels and provides level judgements.

RS #247
Ono Sokki Technology, Inc.

www.onosokki.net

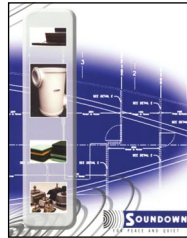
Enhancing Machine Reliability



SpectraQuest is dedicated to providing state-of-the-art products for: 1) optimization of industrial machinery reliability using vibration analysis technology for machine condition monitoring, diagnosis and training; 2) offering noise and vibration solutions to the test and measurement industry for new product development and quality assurance.

RS #238
SpectraQuest, Inc.

Material Solutions for Peace and Quiet



Soundown 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

RS #243
Soundown Corporation

www.soundown.com

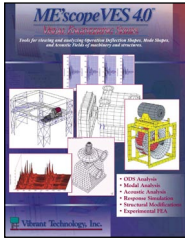
Wireless Condition Monitoring System



The Maintenance Watchdog™ wireless vibration monitoring system includes piezoelectric accelerometers, laser tachometers, repeaters and control/display software. Compact battery powered wireless sensors are easily deployed to acquire digitized vibration time histories along with temperature data on customer-defined schedules.

RS #248
Techkor Instrumentation

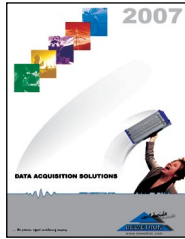
Modal Analysis with ME'scopeVES 5.0



ME'scopeVES 5.0 contains all of the tools to visualize, analyze and document noise & 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. Flexible packaging with upgrade options. www.vibetech.com

RS #249
Vibrant Technology, Inc.

Free Dewetron 2007 Catalog



This 160-page data-acquisition catalog has portable instruments, laboratory, battery powered, dataloggers, sensors, signal conditioners, video acquisition and much more. Request this useful reference from Dewetron. www.dewamerica.com/brochures

RS #254
Dewetron Inc.

Multi-Axis Vibration Testing Systems



TENSOR multi-axis vibration test systems provide the most realistic representation of conditions in the field. The TENSOR design has extended both tri-axial and full 6-DoF test capability to levels of frequency response previously unattainable. 360.757.8601. www.teamcorporation.com

RS #259
Team Corporation

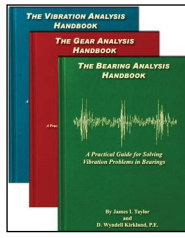
CasterShoX™ The Quiet Caster



CasterShoX™ can reduce noise by 15 dBA. The casters are completely housed in the wheels of any machinery without compromising effectiveness in attenuating noise and vibration. Retrofitting production equipment is simple and as inexpensive as changing out wheels. www.castershox.com

RS #250
Caster Concepts, Inc

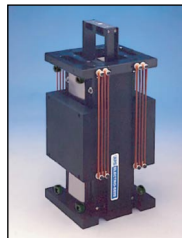
Machinery Problem Diagnosis Books



Take the next step beyond condition monitoring to accurate diagnosis of machinery problems, these books are required reading. These books are used as the text for our public and in plant training courses and certification. Visit www.vibcons.com for details and dates of future training courses and to place your order.

RS #255
Vibration Consultants, Inc.

The Floor Shaker



Do you have a need to excite floors or other horizontal surfaces with no way to support a shaker body? The APS Electro-Seis® Shaker with Reaction Mass Kit is ideal for this application. The shaker's long stroke with reaction mass provides rated force to less than 2 Hz. www.apsdynamics.com

RS #260
APS Dynamics, Inc.

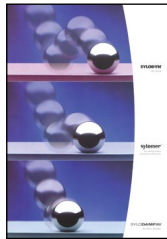
New – Shaker for Wide Screen TV Testing



New, large platform shaker systems with 72 x 72 in. surface area. 10,000 lb force system allows multiple packaged flat-screen televisions to be tested at the same time. External guide bearings and air bags provide additional restraint and load support to handle tough transportation and other challenging test profiles. www.udco.com

RS #251
Unholtz-Dickie

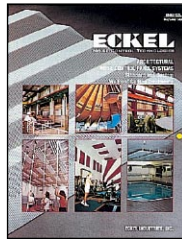
Vibration Isolation Elastomers



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

RS #256
Soundown Corporation

Noise Control Panels



Eckoustic® Functional Panels (EFPs), independent sound-absorbing panels, can be spot located on walls/ceilings and not disturb existing utilities. Simple installation, durable, low maintenance. These high-performance acoustic wall/panel systems economically improve sound environments.

RS #261
Eckel Industries, Inc., Acoustic Division

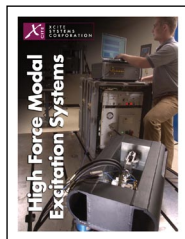
Vibration Testing Systems



Thermotron's DSX Series of robust electrodynamic vibration test systems are available in 2250, 4000, 6650 and 8000 lbf, making this line versatile for a variety of vibration testing requirements. With sine, random and shock capabilities, the shakers feature superior acceleration, velocity, force and shock performance. www.thermotron.com

RS #252
Thermotron

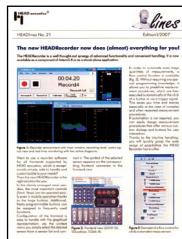
Modal Excitation Systems



Xcite has released a catalog of high frequency, high force electro-hydraulic modal excitation systems. Systems range from 1000 lbf to 20,000 lbf capacity and the product range includes linear exciters and torsional exciters as well as linear and torsional inertial mass models with excitation to over 1000 Hz. www.xcitesystems.com

RS #257
Xcite Systems Corp.

HEADlines Newsletter



The latest newsletter from HEAD acoustics has articles on new products and applications such as the stand-alone HEADRecorder, new features for Artemis version 8, advanced simulation tools, and developing noise metrics. www.headacoustics.com

RS #262
HEAD acoustics, Inc.

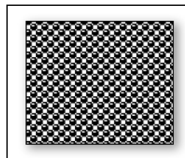
Leading-Edge Vibration Analysis



Using the vb3000™ as our benchmark, we proceeded to engineer the all-new vb7™ instrument's electronics from the ground up using state-of-the-art, lightweight components. We then sculpted the vb7 instrument into a superbly comfortable tool designed both by and for predictive maintenance professionals. www.commtest.com

RS #253
Commtest

Alumisorb – Metal Sound Absorber



Alumisorb is a self-supporting aluminum sheet with a specially designed open louvered pattern. It replaces traditional absorbers. Performance may be "tuned" by varying air spaces behind it. It is suitable for engine compartments and other applications where heat, smoke, and flammability resistance are important. www.blachford.com

RS #258
Blachford, Inc.

Noise Control Solutions



Owens Corning Quiet-Zone® Noise Control Solutions -- A systematic way to reduce neighbor noise in multi-family residences and commercial buildings. QuietZone Noise Control Solutions are appropriate for virtually all types of spaces in wood-framed buildings four stories and under. For more information, visit www.QuietZonePro.com

RS #263
Owens Corning