

AUDIO



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Professional Audio in Production

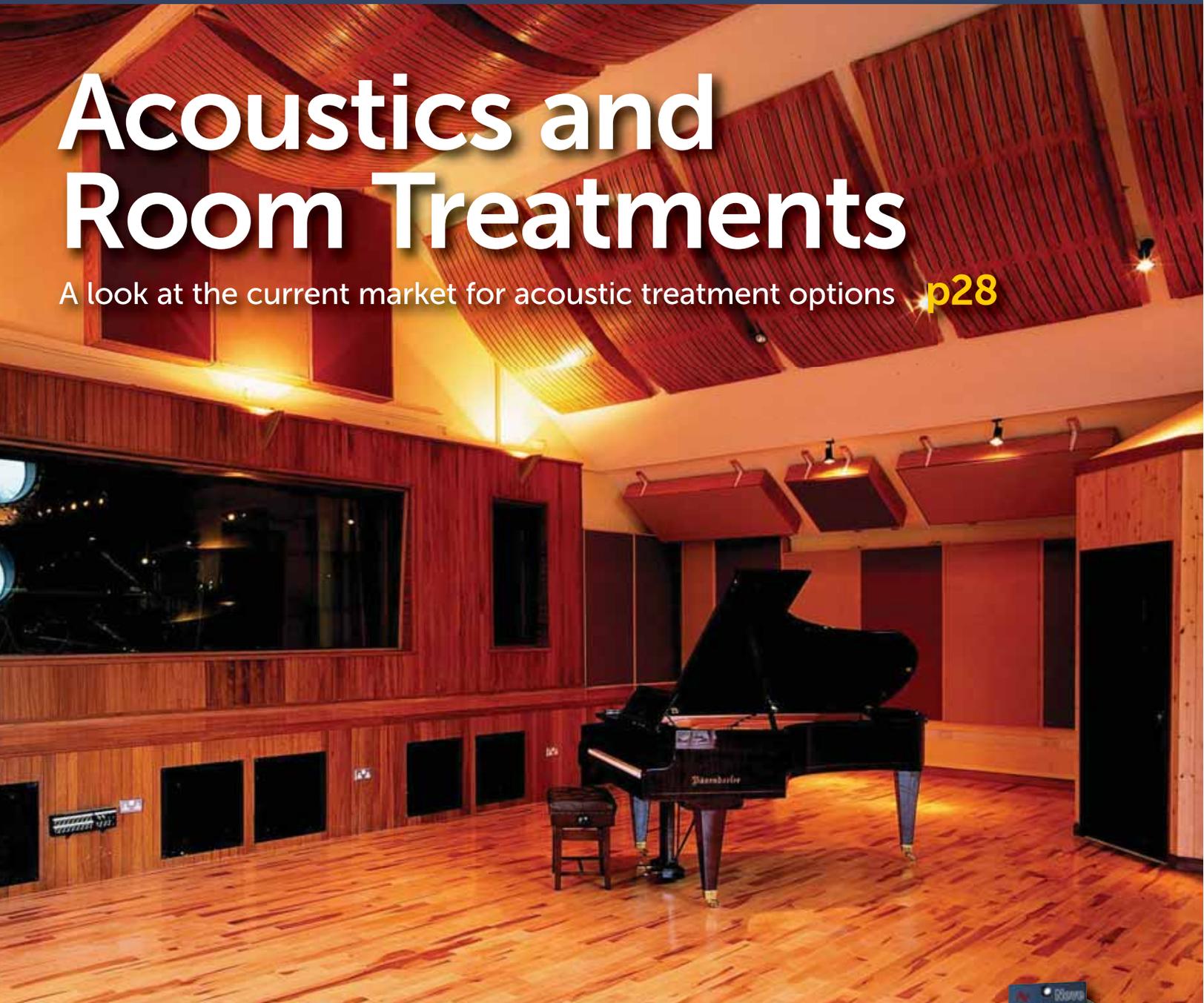
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Acoustics and Room Treatments

A look at the current market for acoustic treatment options **p28**



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AUDIO
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ES
135TH
AES CONVENTION
Jacob Javits Center • New York City
Oct 17th – 20th, 2013

New In New York

As the AES celebrates its 65th year it returns to New York for four days of tutorials, workshops, master classes, and product demos.

>>> EDUCATION

Technical Programme

RUNNING FROM 17–20 October at the Jacob Javits Center in New York, the 135th AES Convention features an extensive technical programme covering live sound, game audio, broadcast and media, and more. On 17 October visitors will be invited to 'Experience

the Sound of the Future' in a tutorial on 3D sound, while the following day will see Networked Audio sessions including 'Command and Control Protocols, Target Application Use Cases'. In a workshop on 19 October a panel chaired by Thomas Lund of TC

Electronic will debate 'Loudness Wars: Leave Those Peaks Alone', and sessions will wrap up on Sunday with a highlight being 'Professional Game Audio – Opportunities in the Mobile Space' with presenters including Berklee associate professor Michael Sweet.

>>> SHOWFLOOR

Product Developments

AVALON DESIGN will be presenting the classic AD2000 series of Pure Class A microphone and instrument preamplifiers, equalisers, compressors, and mastering products along with the VT series of vacuum tube channel strips and stereo compressor-equalisers.

Audio-Technica will be showing its AT5040 and new BP894 mics. Featuring a proprietary breakthrough element design, the AT5040 employs four ultra-thin (two micron) rectangular diaphragms that function together providing a combined surface area unachievable in a standard round diaphragm. Designed as a vocal mic with smooth top end and controlled sibilance, the AT5040's large-diaphragm characteristics and fast transient response also make it ideal for recording acoustic instruments.

CharterOak will show its K500 ultra parametric equaliser for the first time in the US. It offers fully parametric control over the entire bandwidth of the device as well as high headroom and low distortion on three ultra-wide bands. The K500 will fit into any 500 series powered rack.

At the Equator Audio stand, the company will be showing the new Equator D5 and D8 reference monitors. This series of direct field, active reference monitors features coaxial

designed transducers with internal DSP for left/right matching output, a phase accurate crossover, and pin-point accurate voicing.

At AES, JBL will feature its recently introduced flagship M2 Master Reference Monitor, a free-standing, two-way system that can be placed in any environment to provide an accurate monitoring experience. The M2 provides in-room frequency response of 20Hz to 40kHz, and a 125dB maximum SPL to meet the demanding music, cinema, and broadcast production requirements.

Also on show will be the new 3 Series Studio Monitor line, consisting of two models – the LSR305 (5in) and the LSR308 (8in) powered studio monitors. The LSR305 boasts a response of 43Hz to 24kHz and a peak SPL of 108dB, while the LSR308 features a response of 37Hz to 24kHz and a peak SPL of 112dB.

Lawo will showcase the second generation mc²56 and

mc²66 MKII production consoles; JADE, the company's PC-based audio control centre; Ravenna, a solution for real-time processing of audio in IP-based networked environments; plus its Nova Series routing products.

Listen is demonstrating SoundCheck version 12, the latest release of its flagship audio test software, and a selection of hardware accessories for testing a wide range of audio products. These include SCamp, the only amplifier designed specifically for audio testing, MEMS test interfaces for both R&D and production applications, and AmpConnect ISC.

Mogami's new Gold Right Angle microphone cable features a 90-degree XLR at the mic end, which solves the problem of cable stress that conventional straight mic cables often have when using stand-mounted microphones. Wired with Nexlex studio quad, this four-conductor cable also offers exceptional noise cancellation.

MXL introduces the Genesis FET condenser microphone with solid-state electronics. The Genesis FET has a noticeable boost in the vocal presence to reveal the finest details of any vocal performance. It features low noise FET circuitry and internal Mogami cabling to ensure clean, natural recordings.

NTI will exhibit its complete

NTI will show its XL2 audio/acoustics analyser



line of handheld and engineering/production audio test products, featuring the XL2 audio/acoustics analyser now available with new Class 1 microphone choices M2211 and M2230, and options including a SLM Type Acceptance equipment package; 1/6 – 1/12 8va Spectral Limits option; Cinema Meter option, and others. Also on show will be the DR2-DL1 handheld digital instruments and the FX100 lab and production acoustics tester, featuring advanced acoustics test methodology combined with audio test performance.

As well as the Lyras, which started shipping earlier this year, there will be at least one more new product on display from Prism Sound. The Lyras feature 192k performance, stereo mic/line/instrument inputs, up to four balanced line outputs, digital I/O, app with zero-latency monitoring, and hassle-free USB host interface. The MASELEC line of outboard will be heavily featured too, including a revision or two, while the recent SADiE 6 DAW 64-bit edition will be available for a test drive.

Rohde & Schwarz has updated its UPP and UPV audio analyser platforms with new firmware that enables Dolby licensees to perform compliance self-testing at no additional cost. This approach

to automating Dolby compliance testing simplifies the process, reducing setup errors and allowing for easy data collection and presentation of results.

Sony is highlighting its DWX wireless series at AES. Said to be ideal for live sound, newsgathering, field production, broadcast, theatre, sound recording, and more, Sony DWX components deliver flexibility, stable, and secure transmission, outstanding sound quality, and multichannel operation. Sony is also showing its affordable and highly flexible 2.4GHz DWZ wireless mic series, professional headphones, and field recorders.

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