



PRESS INFORMATION

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P.Audio System to unveil comprehensive ranges of high-frequency compression drivers at Prolight+Sound Frankfurt

PreNeo HF units feature proprietary Cavity Resonance Technology™ for improved vocal clarity and intelligibility.

Frankfurt, Germany: P.Audio System will spotlight a comprehensive range of high-frequency transducers at this year's **Musikmesse Prolight+Sound Frankfurt**, which opens here today and runs until March 15. P.Audio is also a leading supplier of OEM loudspeaker component solutions for a number of household-name brands, and will be exhibiting on **Booth J11 in Hall 4.1**. In addition to HF compression drivers, the company offers a comprehensive range of high-performance low-frequency component drivers and HF horns.

The **Driver Series** of HF compression drivers includes the *BM-D Series II* and *PreNeo Series*. "The new PreNeo compression drivers feature our recently developed Cavity Resonance Technology™," states company managing director Howard Chen. "Cavity Resonance Technology – CRT - is a unique combination of techniques that act to substantially reduce the resonance found under the compression-driver suspension, and results in an improved mid-band time-domain response and reduced mid-band distortion. The result is dramatically improved vocal clarity and intelligibility."

Driver Series	Magnet Type	Chassis Type
BM-D Series	Ferrite	Pure Titanium
PreNeo Series	Neodymium	Pure Titanium

The **PA Series** is comprised of four models: the **PreNeo-740N** and **PreNeo-750N** high-output compression drivers with large-format, titanium-based diaphragm assemblies mated to a closely-spaced circumferential phase plug geometry – the PreNeo-750N features a 2-inch/50 mm throat exit while the -740N features a 1.4-inch/35.5 mm throat exit; the **PreNeo-450N** high-output compression driver with a 1.0-inch/25.4 mm throat exit and CRT technology for improved time domain response and reduced distortion through the critical upper vocal range; and the **PreNeo-340S** high-output compression driver with a small-format, titanium-based diaphragm assembly mated to a closely-spaced circumferential phase plug geometry plus a 1.0-inch/25.4 mm throat exit.

The advanced PreNeo Series utilizes Neodymium-based permanent magnetics that ensure an excellent performance-to-weight ratio. "Neodymium-Iron-Boron provides an extremely high energy product and is also very lightweight," Chen continues. This combination allows Neo-based compression driver designs to combine both high-output/high-quality

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response with a very lightweight design; the results are said to be ideal for touring audio and lightweight suspended systems found in permanent- installation systems. Diaphragm assemblies are made of high-strength, pure titanium with geometries optimized to reduce modal patterns in the system. Each diaphragm is closely spaced to the phase plug to insure consistent high-frequency response.

The **BM-D Series** comprises seven models with Ferrite-based permanent magnetic systems: the **BM-D740** and **BM-D750** are high-output compression drivers with large-format titanium-based diaphragm assemblies mated to a closely-spaced circumferential phase plug geometry and rectangular geometry, with high-temperature aluminum voice coils to ensure extended high-frequency response - the **BM-D750** features a 2-inch/50 mm throat exit while the **-D740** feature a 1.4-inch/35.5 mm throat exit; the **BM-D450** and **BM-D450S** high-output compression drivers with 1-inch/50 mm throat exits and CRT technology to improve time-domain response and reduce distortion through the critical upper vocal range; the **BM-D440** and **BM-D440S** high-output compression drivers with 1-inch/50 mm throat exits and CRT technology to improve both time-domain response and reduce distortion in the 1.5 to 5 kHz range; and the **BM-D340S** high-output compression driver with a small-format, titanium-based diaphragm assembly mated to a closely-spaced circumferential phase plug geometry and a 1.0-inch/25.4 mm throat exit for screw/threaded-on horns.

"All our state-of-the-art compression drivers," Chen concludes, "are designed to meet the exacting performance parameters expected for applications ranging from touring systems to large format fixed installations."



Note to magazine editors and writers: High-resolution copies of this image in TIFF/JPEG formats are available upon request

P.Audio System is one of the world's leading manufacturers of professional audio loudspeaker components. The company designs and produces a complete range of low-frequency and high-frequency transducers to exacting standards of performance and reliability.

P.Audio's engineering and manufacturing facilities are truly world-class and its products are supplied to every region of the world. It supplies premium-quality OEM and P.Audio-branded products that cover the entire spectrum of profession applications and requirements.

P.Audio was established in 1991 and is located in Bangkok, Thailand. The company occupies a 60,000 square meter garden complex.

Continuous growth has allowed P.Audio to build ultra modern research and development facilities at its corporate headquarters. The campus also contains a state-of-the-art manufacturing and processing operation, as well as a very large acoustic presentation hall.

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