



SHOWEST BOOTH #1601

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JBL Professional Introduces Two Ultra-High-Power ScreenArray® Systems For 3D Cinema Venues

LAS VEGAS, Nevada – Continuing to provide cinema exhibition venues with unprecedented audio performance and advanced technology, JBL is introducing the ScreenArray® 5742 4-way and 5732 3-way ultra-high-power loudspeaker systems, designed to compliment the large-format 3D visual experience.

Both new ScreenArray speakers features a 150-Watt, 4-inch titanium diaphragm high-frequency compression driver on JBL's patented Optimized Aperture waveguide, featuring Screen Spreading Compensation™. The larger 5742 system features a quad mid-range array of four 8-inch Differential Drive® cone midrange drivers, providing 1,400 Watts of smooth coverage, coupled with a dual 18-inch SVG™ Super Vented Gap, low-frequency section providing 1,600 Watts of high power output with minimum distortion.

The 5732 ScreenArray model features a 700-Watt, dual cone midrange, and a dual 15-inch, 1,200-Watt low-frequency section. This system provides significant power in a compact system for the headroom required in post-production venues as well as cinemas worldwide.



The new JBL ScreenArray 5742 4-way ultra-high-power loudspeaker system.

JBL has been awarded three U.S. patents for it's ScreenArray cinema loudspeaker technology, and both of the new systems include all of the patented ScreenArray design innovations integrated into a system that provides superior coverage, maximum power handling, and uniform power output with extremely low distortion. The Academy of Motion Picture Arts and Sciences presented JBL engineers with Technical Achievement Award "for the engineering and design of filtered line array and screen spreading compensation as applied to motion picture loudspeaker systems." This same technology is actively employed in the new 5742 and 5732 ScreenArray systems to provide ideal power response and directivity control with seamless transition between acoustic sections. Both systems employ complex crossover elements implemented actively within the amplifier processing, while the ultra high power 5742 System is a four-way, quad amplified system, the 5732 is a tri-amplified system.

"The new 4-way, ultra-high-power ScreenArray system builds on the success of the revolutionary ScreenArray line of cinema loudspeakers," said Chuck Goodsell, Director of Cinema, JBL Professional. "This new creative advancement in cinema sound technology is intended to enhance the 3D visual effects in large-format cinemas."

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