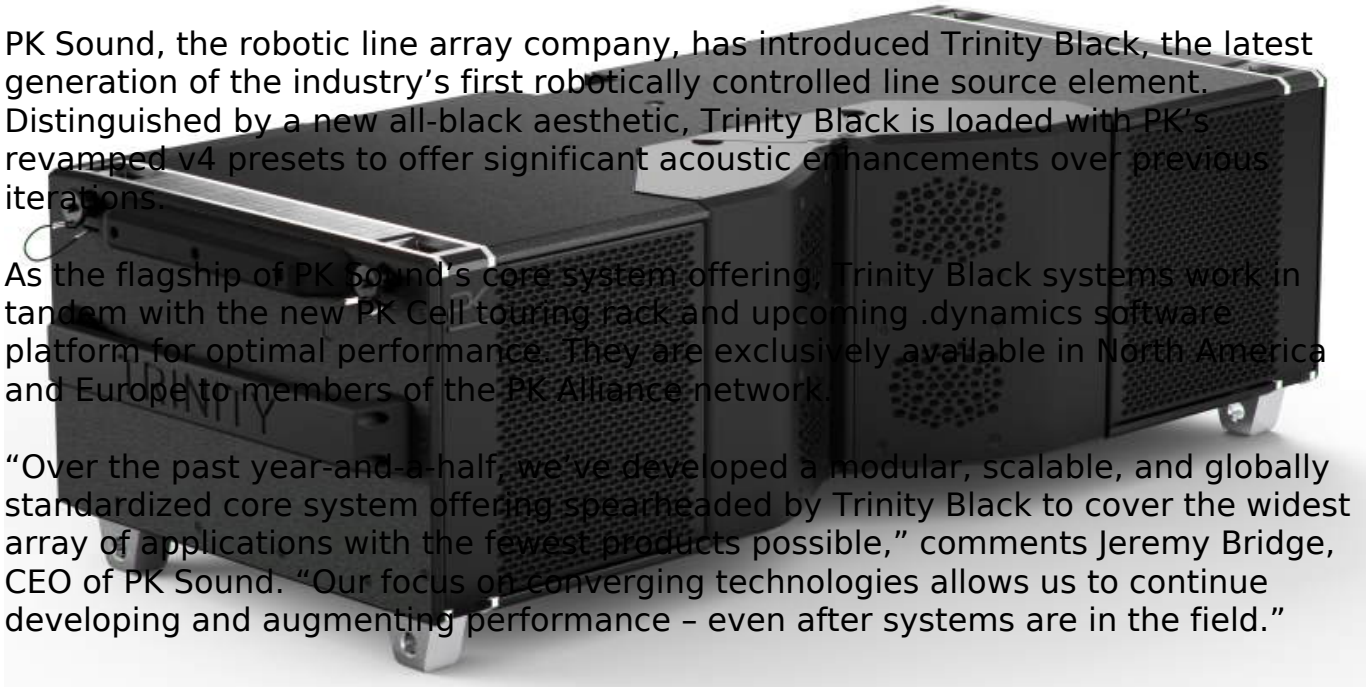
PK Sound Trinity Black Robotic Line Source Element

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PK Sound, the robotic line array company, has introduced Trinity Black, the latest generation of the industry's first robotically controlled line source element. Distinguished by a new all-black aesthetic, Trinity Black is loaded with PK's revamped v4 presets to offer significant acoustic enhancements over previous iterations.

As the flagship of PK Sound's core system offering, Trinity Black systems work in tandem with the new PK Cell touring rack and upcoming .dynamics software platform for optimal performance. They are exclusively available in North America and Europe to members of the PK Alliance network.

"Over the past year-and-a-half, we've developed a modular, scalable, and globally standardized core system offering spearheaded by Trinity Black to cover the widest array of applications with the fewest products possible," comments Jeremy Bridge, CEO of PK Sound. "Our focus on converging technologies allows us to continue developing and augmenting performance – even after systems are in the field."

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Trinity Black’s stunning clarity and SPL up to 149.3dB can be precisely controlled with variable coverage in both the vertical and horizontal planes, allowing system operators maximum flexibility in making coverage adjustments after the array is flown. Directivity is tailored to meet the architectural design of the venue or space using industrial linear actuators with a duty cycle of up to 109 years.



The patented Coherent Midrange Integrator (CMI) Waveguide seamlessly combines

mid and high frequencies, coupled with meticulously engineered low frequency apertures for smooth and controlled directivity. It offers variable adjustability from 50°-120° both symmetrically and asymmetrically for precisely tapered arrays that can significantly expand stereo imaging, avoid challenging obstacles, and drastically reduce noise pollution. Meanwhile, vertical angles are set and adjusted remotely with 0.1° accuracy.

Horn-loaded 12” transducers manage low frequency response. The mid frequency band is supported by 4 x 6.5” midrange transducers affixed to the CMI Waveguide. Two dual-diaphragm high frequency transducers, coupled directly to an integrated planar waveguide, significantly reduce distortion across the high frequency band. A 6,000 W Class D amplifier maximizes headroom while maintaining crystal clear audio and exceptional output.

IR sensors and inclinometers allow the module to recognize its position and angle within the system, improving accuracy and safety. Finally, a combination of FIR and IIR filters are applied to ensure smooth frequency response across the listening area.

Trinity Black systems are exclusively owned by PK Sound to maintain the highest standards of performance and service and are available via dry-hire rental only to PK Alliance member companies.

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