Outline Butterfly system
www.outline.it

Released: March 2003
Designers: Guido Noselli
Dispersion (H x V): 90 degree (H), Vertical - dependant on array size
Frequency response: 80 Hz - 18,000 Hz (± 3 dB) Coupled array of four units
Weight: 77 pounds (35 kg) inc flyware

Of note: Italian three-way system centered around C.D.H. 483 Hi-Pack for mid-low, mid and high frequency reproduction. HF section loaded with a 3-inch compression driver coupled with a D.P.R.W.G. (Double Parabolic Reflective Wave Guide) device. Mid-bass and mid section loaded with four 8-inch mid woofers: two band-pass loaded (110 - 400 Hz) and two reflex high-pass (110 - 1,250 Hz) loaded by the sides of a waveguide with a 90 degree dispersion angle. Integrated high-load flying hardware and handles. Designed for use with C.D.L. 1815 Low-pack subwoofer.

Manufacturer's response: Dimensions and weight of a compact system but, with an appropriate subwoofer section, it's really ideal for sound reinforcement in enormous spaces where long throws are required, standing up favourably to comparison with systems up to four times its weight and twice its size. In venues with high reverb times, the cardioid Lo-Pack section - which integrates perfectly with the Hi-Packs - is an additional feature that helps solve masking problems due to low frequencies. The integral flying system has adjustment precision of 0.12 degrees. Designed and constructed without cutting any corners to save on costs, with the precise aim of achieving state of the art performance. Unmistakable, patented shape.

Other line source products available: COM.P.A.S.S. (COMpact Polar Adjustable Sound System) motorized system and MiniCOM.P.A.S.S. (same as COM.P.A.S.S. but not motorized).

JBL
VerTec VT4888DP line array
www.jblpro.com

Released: January 2005
Designers: David Scheirman and Raul Gonzalez
Dispersion: 90 degrees (H) Vertical - varies with array size and configuration
Frequency response: 48 Hz - 18,000 Hz (-10dB)
Sensitivity: 130 dB @ 1m
Weight: 148 pounds (67.2 kg)

Of note: U.S. self-powered, midsized, lightweight integrated system housing dual 2262H 12-inch woofers, four 2106HPL 5.5-inch midrange radiators and two 2431H HF compression drivers. DrivePack DP3 features patented Crown Class-I power amplifier technology with 6,000 watts peak output power and digital signal processing for readiness, operational status and fault detection monitoring. Modular bay accepts the standard dbx, or optional Crown networked input modules. World-wide AC line voltages are automatically selected for 50 or 60 Hz. Integrated S.A.F.E. suspension hardware relies on quick-release pins and end-mounted metal tubes to couple adjacent enclosures together. Can be used with VT4882DP matching subwoofer.

Manufacturer's response: Self-powered. Controllable via HiQnet technology. Greatly enhanced power-to-performance ratio. Integrated with Crown amplification and dbx signal processing. State-of-the-art feedback circuits as part of the JBL DrivePack, allowing for lower noise and distortion specifications.

Other line source products available: VerTec VT4889/VT4888/VT4887/VT4880 and VRX Series portable line arrays.

Renkus-Heinz
PN102/LA (PNX102/LA)
www.rh.com

Released: October 2003
Designers: Ralph Heinz
Dispersion: Horizontal: 150 degrees. Vertical - configuration dependent
Frequency response: 60 Hz - 28,000 Hz
Sensitivity: 100 dB (1W@1m)
Weight: 72 pounds (32.66 kg) or 82 pounds (37.19 kg) with PN-1 amplifier unit

Of note: U.S. systems loaded with dual 1-inch SSD1803-8 compression drivers, and dual 10-inch SSL10-7 woofers. Proprietary technology includes an Isophasic Plane Wave Generator and an Acoustic Diffractor Baffle. Two versions, PN102 is self-powered; PNX102 is identical but externally amplified. Both can be used with the BP/BPS and DR/DRS subwoofers. Also compatible with proprietary AIMWARE Array Aiming Software.