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## SPENDOR A3 – NEW PRODUCT INFORMATION

**The new Spendor A3** is an ultra compact high performance floor standing loudspeaker. It delivers clear natural sound with real low frequency power and scale. It incorporates advanced drive unit technology and cabinet engineering from the highly acclaimed Spendor SA1 and A5 loudspeakers.

Powerful electromagnetic damping of the Spendor bass drive unit and an optimised low Q acoustic enclosure, with a large diameter free flowing rear mounted reflex port, ensures deep well-controlled bass in any listening room.

The 15cm bass-mid drive unit is designed and manufactured by Spendor. With cast magnesium alloy chassis, ep38 polymer cone, phase correction technology, and a long throw high linearity minimal thermal compression motor system, it ensures a beautifully clear and natural mid range sound with excellent low frequency power handling. The drive unit has a very even and extended high frequency response. This allows the crossover frequency to the tweeter to be set very high, beyond the frequency range in which the ear is sensitive to transition effects, which ensures seamless sound and a clearly defined stereo image.

The 22mm wide-surround tweeter combines the extended frequency response of a small diaphragm with the low frequency characteristics of a larger diaphragm to give stable low distortion response over a very wide frequency range.

A phase linear crossover network integrates the drivers seamlessly. The crossover is mounted on a non-resonant panel which incorporates insulated gold plated terminals. High linearity audio grade capacitors and an easy to drive 8 ohm load ensure uncompromised performance and complete compatibility with a wide range of amplifiers and cables.

Timing is fundamental to the musical experience. In conventional loudspeakers rigid high density cabinet panels are mass-damped to reduce cabinet-talk. Spurious energy is stored and released slowly. This introduces unacceptable blurring and slowing of the sound. Spendor's solution is asymmetric aperture bracing of the cabinet and Dynamic Damping. Asymmetric bracing disperses internal standing waves. Dynamic Damping uses small low mass constrained polymer dampers at key energy interface points to instantly convert any spurious energy in the cabinet into inaudible heat. The result is a naturally fast and engaging sound.

The base of each A3 cabinet has four machined steel stabiliser inserts. These contribute to the neat appearance and good stability of the slim cabinets. The stabilisers are secured directly into the main structure of the cabinet so that micro-movement or flexing of the plinth and feet (which can blur fine detail and destroy ambience) is eliminated.

With clean modern styling and natural veneer finishes the new Spendor A3 will blend comfortably and confidently with any room décor. Available finishes are light oak, dark walnut, cherry and black ash. The plinth is finished in contrasting black satin lacquer.

## TECHNICAL SPECIFICATION

### A3 loudspeaker

Description	2 way floor standing loudspeaker
Enclosure type	Bass reflex
HF drive unit	22mm wide-surround dome
MF/LF drive unit	Spendor 150mm ep38 cone
Sensitivity	85dB for 1 watt at 1 metre
Crossover frequency	4.2 kHz
Frequency response	70 Hz to 20 kHz $\pm$ 3dB anechoic
Frequency range	-6dB at 45Hz typical in-room
Impedance	8 ohms nominal
Impedance minimum	6.2 ohms
Power handling	125 watts unclipped programme
Terminals	Gold plated 4 way binding posts single-wired
Cabinet (HxWxD)	755 x 165 x 250mm exc feet and terminals
Finish	Black ash, cherry, light oak, dark walnut
Weight	12.5 kg each
Accessories	Height adjustable spike feet, grille