

SOLITAIRE® S



The new Solitaire speakers represent nothing less than a reboot of our speaker portfolio: They bring our idea of music reproduction to life through unique design and technologies.

Siegfried Amft, Founder and Managing Director





Solitaire S Loudspeakers

What does the term High-End loudspeaker mean in the 2020's? How can we combine our insistence on absolute sound quality with an exciting and original appearance? It is precisely to provide answers to these questions that we have developed the Solitaire S speakers. Based on unique magnetostats, Cylinder Wave technology and Symmetric Directivity systems, these speakers certainly embody all our expertise in the field of sound transducers, but they also epitomise our convictions: pleasure in music, brought to life through the scientific application of brilliant technical concepts.

Solitaire S

Design & appearance - excitingly new, yet pleasantly familiar

The new Solitaire loudspeakers mark the beginning of our new design language of “classic modernity”. Their reserved Bauhaus-style front panels are deliberately reminiscent of earlier Solitaire speakers, while their redesigned mid-range units look incisively modern. The aluminium baffle, machined from solid metal, makes a bold statement in the listening room without disturbing the integrity of the main cabinet. Its sweeping curves and Art Deco inspired shape effectively disguise the volume of up to 120 litres - required for outstanding sound reproduction -

whilst enabling the speaker to slot harmoniously into any environment: our new Solitaire loudspeakers show that it is possible to obtain the highest possible level of audiophile performance without forsaking an appearance of technical elegance.

The external values of these speakers are continued seamlessly on the inside, where absolute top-quality materials, design and manufacturing standards form the basis for sonic perfection and durability.



Solitaire S 430

Idea

Like all Solitaire loudspeakers, the immediately impressive feature of the Solitaire S 430 is its modern, iconic appearance, combined with audiophile sound reproduction and unlimited musical enthusiasm. Two technologies developed exclusively for these units make the Solitaire S 430 the perfect entry into a new world of sound: an innovation which we call Symmetric Directivity combats

a common problem with conventional loudspeakers: the disturbing influence of the listening room, which can cause a marked degradation of the sound. The Mag50 magnetostat, making its debut here, is capable of reproducing even the highest sound levels with impressive agility, naturalness and detail despite its compact dimensions.





Solitaire S 530 and S 540

Idea

The Solitaire S 530 and S 540 have been introduced with the aim of combining the most elevated audiophile performance with superb resolution and dynamics. The current generation of Cylinder Wave technology which they employ radiates a sound field which is concentrated between the speakers, and succeeds in maintaining this effect untouched by the influence of the listening room. A magnetostat - a completely new in-house development - constitutes the technical core of both speakers:

64 magnets, hand-mounted and extremely precisely positioned, endow the treble range with unparalleled dynamism, without ever sacrificing control or precision. The array of seven specially designed mid-range units reproduces the full vocal range in a totally linear manner, devoid of phase problems. Two or four heavy-duty long-throw drivers complete the listening experience with exciting and impressive bass reproduction.





S 430

Mid-range design - Symmetric Directivity

Reflections from ceilings and walls have a subtly adverse effect on sound quality. The Symmetric Directivity technology of the S 430 significantly reduces these reflected elements, and concentrates the direct sound in the listening area. This is achieved by harnessing the radiation characteristics of two mid-range drivers positioned symmetrically above and below the magnetostatic treble unit, controlled by a precisely calculated crossover. The mid-range units are responsible for the full vocal range without

creating frequency or phase errors, resulting in incredibly natural reproduction, free of any hint of coloration or distortion. The grouping of treble unit, mid-range driver and crossover is responsible for the efficient diffusion of sound, which causes the music to be detached entirely from the speaker itself. The result is a sound stage with impressive imaging and positioning, together with an extremely natural rendition of all instruments and voices.





Magnetostat - Mag50

The Mag50 manufactory magnetostat is the most recent addition to a family of planar treble units whose history stretches back to the 1980's. They have been steadily modified and improved over a period of almost forty years, so that they are matched as accurately as possible to their specific application. The Mag50 is the impressive result of our efforts at miniaturisation, reducing the component to a length of just 50 millimetres, without having to accept any detriment to sound quality. In fact, the ingenious Wave Array conductor pattern of the Mag50 elimina-

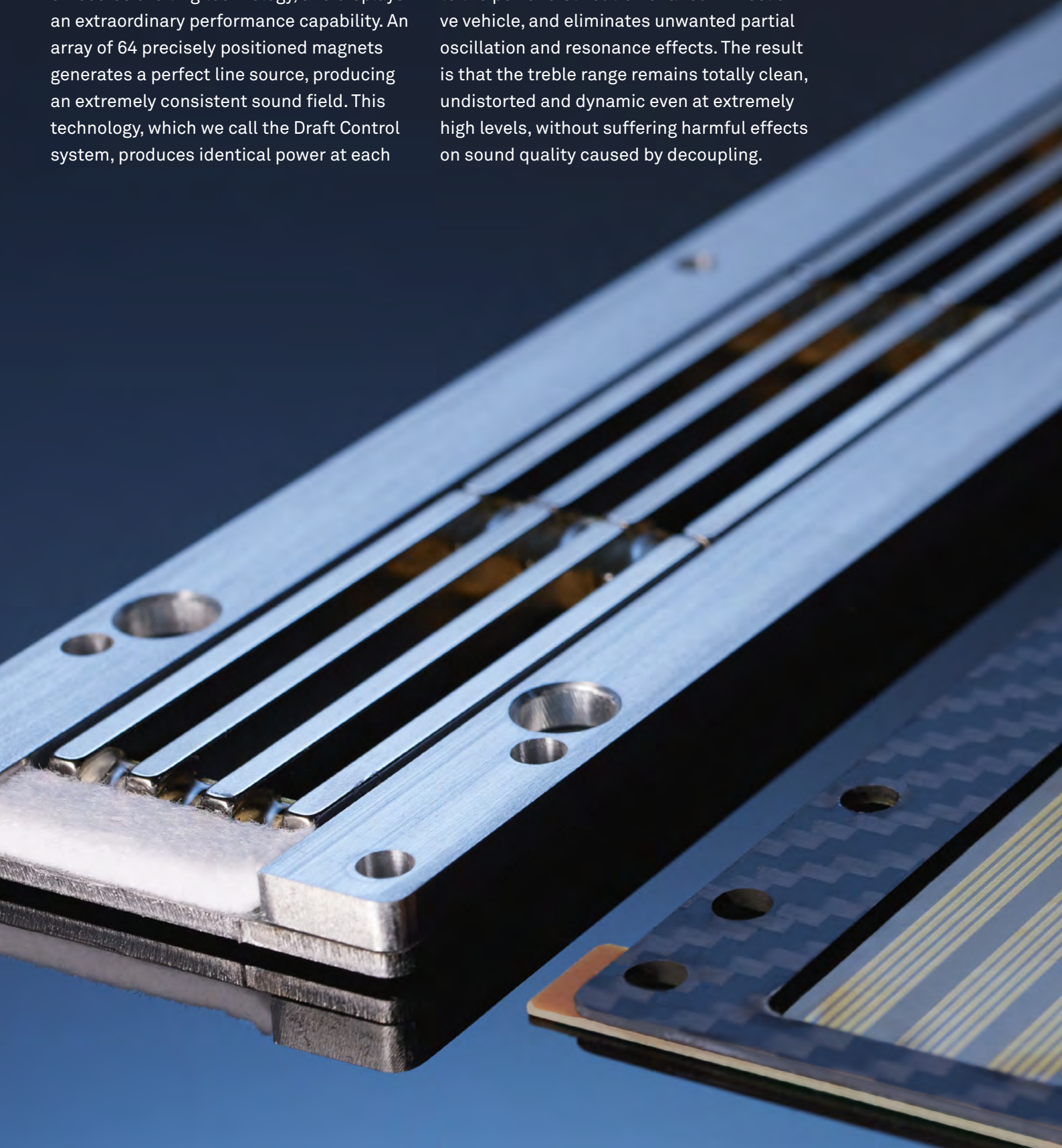
tes even the slightest interference to the sound before it can develop. Its twin-row magnet layout provides an excess of energy to the feather-light membrane, enabling it to handle even the most intense sound levels without decoupling. Thanks to these innovations the sound quality of the Mag50 is identical in every respect to that of an electrostat, but with the advantage that the Solitaire S 430 requires no supplementary power supply.

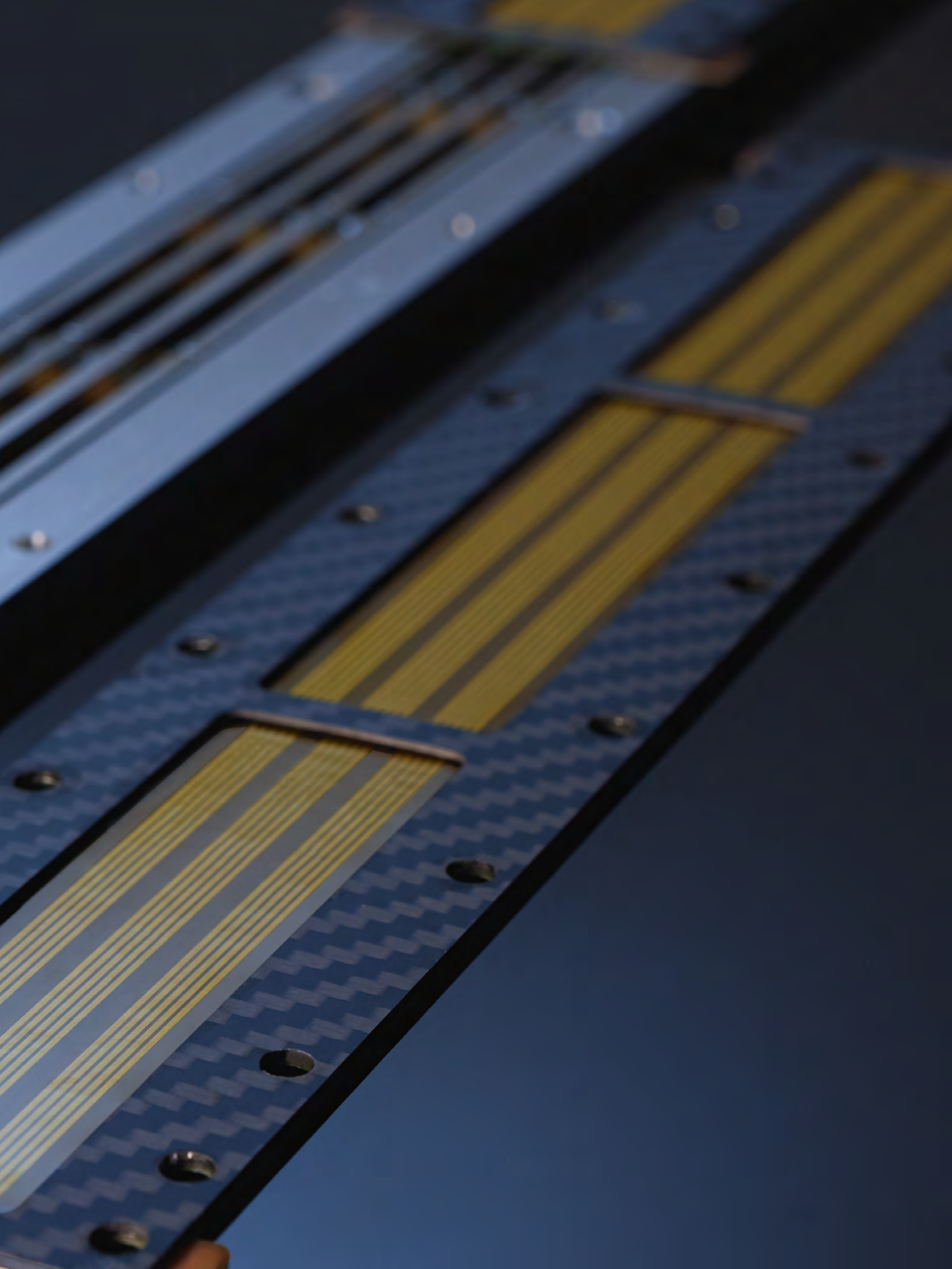
S 530 and S 540

Manufactory Magnetostat Mag850

With a length of 85 centimetres the Mag850 embodies exciting technology, and displays an extraordinary performance capability. An array of 64 precisely positioned magnets generates a perfect line source, producing an extremely consistent sound field. This technology, which we call the Draft Control system, produces identical power at each

point on the membrane; this is comparable to the power distribution of a four-wheel drive vehicle, and eliminates unwanted partial oscillation and resonance effects. The result is that the treble range remains totally clean, undistorted and dynamic even at extremely high levels, without suffering harmful effects on sound quality caused by decoupling.





S 530 and S 540

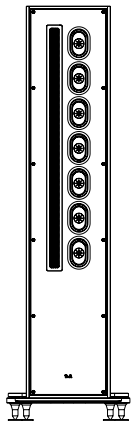
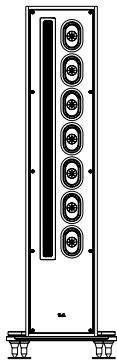
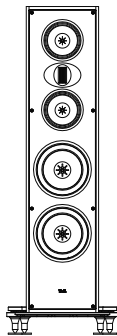


Cylinder Wave Technology

The idea of the Cylinder Wave Technology is well established in the world of acoustics, and back in 2011 we implemented the idea in the field of audiophile loudspeakers: after all, in theory the system promises high sound pressures combined with the elimination of detrimental reflections. In the Solitaire S 530 and S 540 the super Mag850 treble unit operates in conjunction with a Line Array consisting of seven mid-range units arranged in a vertical line. Thanks to their aluminium Star Stabilizer membranes, they barely excure even when dynamic variations are extreme, and they are capable of applying their precisely calculated horizontal and

vertical radiation characteristics without disruption. In combination, the two systems generate a cylindrical wave which is concentrated in the listening area. The portion of sound above, below and to the sides of the main area is deliberately erased by interference; the net result is that reflections from ceilings and floors are reduced to a minimum, and all that remains is the pure music information. The end result is that any space is transformed into a perfect listening room: the listening experience is indescribably direct, clear and dynamic, with an outstanding sound stage, imaging and positioning.

Specifications



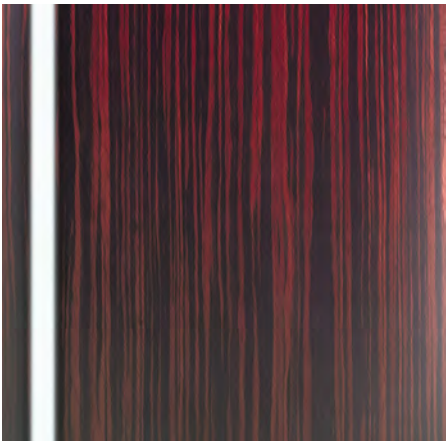
	Solitaire® S 430	Solitaire® S 530	Solitaire® S 540
Principle	Floor-standing speaker, 3-way, bass reflex	Floor-standing speaker, 3-way, bass reflex	Floor-standing speaker, 3-way, closed
Nominal power rating	200 Watts	200 Watts	240 Watts
Music power rating	250 Watts	250 Watts	300 Watts
Impedance	4 Ohms	4 Ohms	4 Ohms
Frequency range	29 - 45000 Hz	29 - 45000 Hz	20 - 45000 Hz
Sensitivity	86 dB	86 dB	88 dB
Drive units bass	2 x 220 mm	2 x 220 mm	4 x 220 mm
Drive units midrange	2 x 150 mm	7 x 90/60 mm	7 x 90/60 mm
Drive units highrange	1 x 50 mm magnetostat	1 x 850 mm magnetostat	1 x 850 mm magnetostat
Cross-over frequencies	200 / 2200 Hz	180 / 1800 Hz	180 / 1800 Hz
Dimensions H x W x D	118 x 26 x 44 cm 46.5 x 10.2 x 17.3 inch Height incl. base	128 x 26 x 45 cm 50.4 x 10.2 x 17.7 inch Height incl. base	148 x 32 x 52 cm 58.3 x 12.6 x 20.5 inch Height incl. base
Weight	55 kg 121 lbs	60 kg 132 lbs	80 kg 176 lbs

Technical modifications reserved

Surfaces



Highgloss black 23



Highgloss Macassar 87



Highgloss arctic silver 94



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