

PRICE/PERFORMANCE: VERY GOOD*1
+ EXCELLENT WORKMANSHIP
+ EXCELLENT SOUND



Magnat Quantum 1000 S 5.0 Set

Magnat Quantum 1000 S / 5.0-Set

HEIMKINO | **1,0**

outstanding

Reference Class **9/10-2014**

Magnat

Lise-Meitner-Str. 9 • 50259 Pulheim • Germany • www.magnat.de



Heimkino
Edition 9-10 | 2014

Magnat Quantum 1000 S 5.0 Set

Lise-Meitner-Str. 9 · 50259 Pulheim · Germany · www.magnat.de

Magnat Quantum 1000 S / 5.0-Set

HEIMKINO 1,0

outstanding

Reference Class 9/10-2014

State of the Art

An impressive 5.0 multi-channel set from Magnat
Magnat has been guaranteeing the highest quality music for many years with its extensive range of products. The manufacturer from Pulheim near Cologne has now been put to the Heimkino sound test with its visually impressive and powerful Quantum 1000S speakers. But can the 5.0 system win us over?

The new Quantum 1000 S speakers are replacing the former flagship series produced by Magnat and the chassis used by the Signature series are now responsible for converting the sound. The finest technology and five speakers that are a real feast for the eyes can be obtained for a total price of €7,300*². Sturdy cabinets with numerous reinforcing struts, double side panels and powerful speaker chassis make the models real heavyweights. The flagship model, namely the Quantum 1009 S floorstanding speaker, weighs in at around 51 kg – and that's per speaker! Two 200 mm woofers in each floorstanding speaker ensure an adequate deep bass range and a great deal of pressure even without a subwoofer.



Configuration and technology

The design and workmanship of the speakers, which are available in a piano white or piano black finish, is outstanding. All cabinets are extremely rigid thanks to their internal bracing. In addition, the double-walled configuration of the side panels and the chassis support behind the woofers effectively nip resonance in the bud.



All of the drivers, the large bass reflex tubes and the finest terminals have been installed flush with the outer surface of the speakers. The chassis used for the speakers have been optimised using the laser-based Klippel measuring system. Voice coils and die-cast aluminium baskets are effectively ventilated, while the engineers have ensured low distortion properties by using double inductance control rings. 24 dB Linkwitz-Riley filters provide the correct allocation of frequencies to the drivers. The 30 mm tweeter consists of a lightweight semi-crystalline polymer (PTFE) cone, which follows pulses extremely accurately. A wide surround enables an enhanced frequency response that extends well beyond the 30 kHz limit. Magnetically attached fabric grilles conceal the beautiful aluminium drivers perfectly.

Magnat's Quantum 1009 S floorstanding speaker

Two 200 mm chassis inside the large floorstanding speaker ensure the necessary deep bass response. Two large bass reflex tubes and inverse dust caps at the rear support and help stabilise the woofers. The 30 mm tweeter features a solid aluminium front panel and a sound guide that enhances the dispersion properties of frequencies above 20kHz.

Quantum 1000 S centre + Quantum 1003 S rear speakers

Magnat has also exercised great care in developing its smaller components and hasn't made any cutbacks in terms of their configuration or the technology used.

One thing that differs is that smaller 170 mm chassis have been used for the bass/mid-range drivers. Two of these are integrated in the baffle of the centre speaker with a 30 mm tweeter positioned in between in a D'Appolito configuration. The compact bookshelf speakers rely on the classical two-way arrangement with 17 mm driver and above this tweeter arrangement.

Listening test

Magnat's Quantum system scores highly when used in conjunction with our reference AV receiver thanks to its incredibly balanced sound pattern. Music and film content is graduated nicely throughout the room in terms of its breadth and depth, while precise differentiation between the actors and excellent localisation of the special effects is also ensured. The large cone surface area of the four 200 mm drivers generates ample pressure in the bass range, while the deep bass frequencies also leave nothing to be desired. If high volumes are required, the Quantum 5.0 system remains unfazed and delivers powerful levels with outstanding precision. Listening to live concert recordings is an intoxicating experience – just the way it should be!

Conclusion

Magnat's Quantum 1000 S series features perfectly processed speakers that can be combined to form an excellent 5.0 home cinema system. The set is perfectly suited for playing music and immersing yourself in a cinematic experience.

Sound: 1,0

Lab: 1,0

In practice: 1+

Price/performance: very good*¹

Excellent workmanship

Excellent Sound

Grade 1,0 - OUTSTANDING

*¹ Test result: "Value for money: very good" is relating to the former recommended retail price, *² Price is relating to the former recommended retail price