

■ | QUANTUM 700

Magnet





QUANTUM 700 |

- 1 | **Quantum 705 White Edition – outstanding design combined with excellent sound.**
- 2 | **Bass reflex construction specially air flow optimized rounded Air flex-Port.**
- 3 | **F.E. Dynamics woofer and midrange – with FEM-technology (Finite-Elemente-Methode) developed - works extra linear and symmetric.**

Based on the development of the Quantum 900 Series, our latest chassis technologies and research have been implemented in the new Quantum 700 Series to combine uncompromising linearity with great efficiency.

The F.E. Dynamics woofers and midbass drivers feature ceramic-aluminium cones. They are extremely stable and possess high intrinsic damping properties despite their low weight. They deliver their performance from the platform of a new die-cast aluminium, flow-optimized chassis. This material is structurally inert and nonmagnetic which benefits efficiency. The driver was developed using FEM (finite element method) technologies and operates with enhanced linearity and symmetry. This not only produces low distortion values, it also improves fine resolution and spatiality. All of the drive units are magnetically shielded and possess highly durable voice coils.

The super audio tweeters also represent an innovative development. The 25 mm dome is made from a low-mass polyester-epoxy compound. The centre pole piece is ventilated via a connected chamber damped by micro fibres. The E.R.A. technology also deserves special attention. E.R.A. stands for Early Reflection Absorption. It takes the form of a star-shaped felt absorber on the tweeters' die-cast aluminium front panel which prevents the tweeters' sound from being reflected by the edges of the cabinet. Such reflections can cause losses in spatial reproduction on conventional loudspeakers.

The APOC crossover incorporates a fourth order filter – a complex but effective solution with regard to performance – which also guarantees that the phase of each individual drive unit is equalized over the transitional range. The result is a particularly clear sound with seamless transitions between the drivers. The speakers are wired internally with specially developed custom made cables.

CVS* BI:WIRING AMPING PLdriver PLDynamics
 DEEP SPACE APOC
 ferrofluid cooled fmax airflexport
 CERAMIC ALU: (Superaudio-Hochtöner super audio tweeter)

(Echtholzfunier real-wood veneer)

| QUANTUM 700



Quantum 705, 703 and Center 716 white edition

Available in High Gloss Black only.



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Accurate bass reflex alignment was achieved with the help of the Klippel laser analyser. In contrast to the standard method, which employs basic computer modelling based on the Thiele/Small parameters and which only applies to very small signals, the dynamic variations during use were also taken into consideration. For instance, a loudspeaker's resonant frequency may vary by as much as 30% when in operation. The result is extended, precise bass reproduction at different listening levels. The Airflex bass reflex ports have been screwed to the housing and are fitted with flow-optimized openings.

The extensively braced enclosures, made from solid MDF, have non-parallel sides and are equipped with height-adjustable spikes and rubber pucks. The terminal panel features multi-way, gold-plated, binding posts which can accept large diameter cables.

The Quantum 730A subwoofer is powered by a high-performance digital amplifier. It also features a frequency-response equalizer and a rapid limiter to prevent distortion. A 30 cm long-throw driver with a ceramic-aluminium cone and a die-cast aluminium chassis delivers controlled, powerful bass.

All loudspeakers in the Quantum 700 Series are available in polished black and silver finishes as well as fine cherry wood. The Quantum 705, 703 and Center 716 are also available in special high-gloss white finish. The Quantum 705 White Edition has recently received a prestigious design award for its cool, elegant appearance.



- 1 | The star-shaped felt absorber prevents edge reflections from the tweeter on the corners of the enclosure.
- 2 | Height adjustable Spikes and hard rubber spikes included.
- 3 | High quality connection terminal with stable, golden screw terminals and Bi-wiring/Bi-amping option.
- 4 | 25 mm dome tweeter made of Polyester Epoxy Compound with slight mass.

Quantum 705

2-way bass reflex, double bass

180/300 watts
225 x 1090 x 335 mm

high glossy piano finish black

Quantum 703

2-way bass reflex

110/200 watts
225 x 355 x 335 mm

high glossy piano finish black

Quantum Center 716

2-way bass reflex, double bass

140/200 watts
560 x 215 x 290 mm

high glossy piano finish black

Principle

Power handling RMS/max.

W x H x D

Cabinet surface

TEST

Hifi Test 04/07

Highlight, price/performance excellent
DVD-Expert 4/07, Russia

DUO-TEST ***** (5 star review!),

„...exquisite sound character“

Stereo 1/07, Germany
price/performance „outstanding“

***** (5 star review!)

Plus X Award 2007
white edition achieved for design

Home Vision 11/07

Highlight

avmagazin.de 12/07

Top class, price/performance very good

Hifi Test 01/08

Best of 2007, Category floorstanding speaker

stereoplay 03/08

Highlight

stereoplay
Highlights

TEST

Audio 2/07

excellent manufactured
price/performance good

Stereo 10/07

price/performance excellent

Digital tested 03/08

price/performance very good

audio-video 03/08, Russia

“Recommend”

AUDIO

AVC

sehr gut
PREIS/LEISTUNG

Audio Video

TEST

Digital tested 03/08

price/perform. very good

sehr gut
PREIS/LEISTUNG

QUANTUM 705



QUANTUM 703



Unistand 500 – available in silver and black.

QUANTUM CENTER 716



Available in High Gloss Black only.



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