

# LA SPHÈRE

A Unique Masterpiece



*Cabasse*



Since 1950

## HISTORY OF CABASSE

Cabasse, the only company in the world capable of designing, manufacturing and commercializing 3 and 4-way coaxial loudspeakers. That's unique

Cabasse, a French HiFi audio company created in 1950 by ,Georges Cabasse, has always striven to create perfect reproduction of music and sound without any alteration, coloring or distortion. Driven by research and innovation, Cabasse invented and developed coaxial driver technology.

Facing the Atlantic Ocean, its unique research and development center reunites all the skills needed to study new materials including: the creation of new membranes and loudspeakers, the design and creation of prototypes, measurements in the antiechoic chamber, quality testing and fine-tuning with some of the best sound professionals. This center is also an industrialization and production site specializing in coaxial technology. Music lovers, musicians, fans of the 7th art, or simply passionate about Great Sound... the men and women that make up the teams at Cabasse share the same taste for the reproduction of pure acoustic emotions, as rich and authentic as the original source of sound.



SPHÈRE TCA, THE LEGENDARY  
CABASSE SPEAKER NOW  
INCORPORATES TRI COAXIAL  
ARAMID DRIVERS



“LA SPHÈRE, THE GROUNDBREAKING  
FLAGSHIP LOUDSPEAKER FROM  
FRENCH MANUFACTURER CABASSE.”

Hifi pig

“IT PROVIDES A RIGID, VIBRA-  
TION-FREE SUPPORT FOR THE  
SPHERE, AND ALSO GIVES IT A  
SEXY, «FUTURISTIC» LOOK.”

Stereophile Magazine



## LA SPHÈRE INNOVATION

A pure work of art and the most aesthetic representation of Cabasse technology working all together as one, La Sphère has yet again been reborn with another technological breakthrough: the TCA membrane (Tri Coaxial Aramid) which adds perfectly coherent directivity between drivers and optimizes tweeters.

These concentric membranes form of the TCA in profile a constant curve, offering more radiating surface and almost no diffraction from the minimized radiating areas. The homogeneity and purity of the diffusion from top highs to lows are constant. The gain in rigidity with no compromise in weight enables the use of new more powerful rare-earth magnets. It improves significantly the efficiency and the power handling of Baltic. The simultaneous production of both membranes by Cabasse robotized machines guarantees the reliability and the constancy of the performance.

The Cabasse measuring protocol in the anechoic chamber takes into account measurements on the listening axis and at 360° for perfect control of the directivity and global power output in keeping with the Cabasse HDSE principle (Homogeneous Distribution of the Sonic Energy). Direct and reflected sounds are homogeneous, the sound stage wide and stable.

La Sphère is equipped with the best technology Cabasse has to offer for a complete experience in musical emotion: power & precision from a 55cm woofer, faithful reproduction of the audio source through 4-way coaxial drivers, a deep & stable soundstage, perfect linearity in a 60° angle, active 4-way crossover with a 96 kHz processor, calibration in an anechoic chamber and custom home installation.



## HISTORY OF LA SPHÈRE

In 2006 La sphere has been introduced to the world on the CES 2006 edition in Las Vegas. Equipped with the only quadri axial technology in the world, la Sphère was composed by a TC23 and a 55 cm woofer, the frequency response was 20 hz /25 khz.

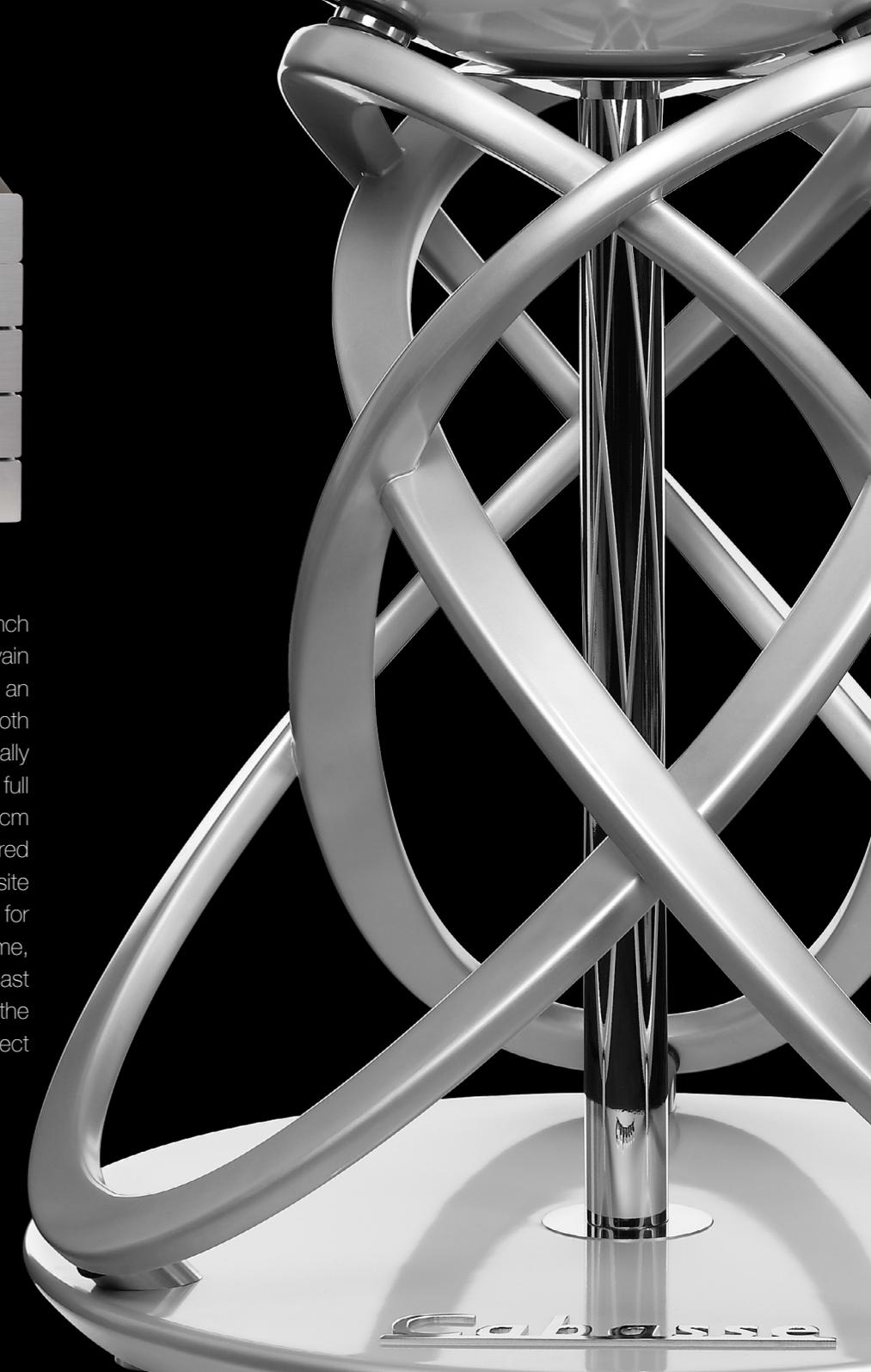
The high power handling allows a better transparency that can seduce all high End expert from various countries, its main goal was to subjugate music lovers in their quest for the absolute.

It is one of the densest speakers combining such power, the architecture has been carefully designed to prevent any standing waves or diffraction effects with its dense and aerial aluminium base.

Working with the renowned French designer and architect, Sylvain Dubuisson, Cabasse produced an aesthetic masterpiece which is both beautifully simple and technically perfect for the reproduction of the full audible frequency range. The 70cm spherical enclosure, manufactured from a sandwich of composite materials originally designed for the European space programme, is coupled to the helical die-cast aluminium stand, which positions the centre of the speaker at the perfect height for listening.



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Cabasse

**Position** Floorstanding

**Ways** 4

**Driver Tweeter**

1" dome diaphragm  
91 dB (2.83 V/1m)  
3000 to 25000 Hz  
30W  
103 dB SPL

**Midrange**

4" honeycomb ring  
92 dB (2.83 V/1m)  
800 to 3000 Hz  
80 W  
103 dB SPL

**Low-midrange**

8" honeycomb ring  
95 dB (2.83 V /1m)  
165 to 800 Hz  
150W  
114 dB SPL

# LA SPHÈRE



**Driver bass**

22" honeycomb inverted dome  
95 dB (2.83 V / 1m)  
20 to 165 Hz  
500 W  
119 dB SPL

**Frequency response**

28 – 23000 HZ +- 3dB on axis  
20 – 23000 Hz in open space conditions  
6 dB at 16 Hz

**Dimensions**

140 x 70 x 70cm

**Weight**

98 kg



www.cabasse.com