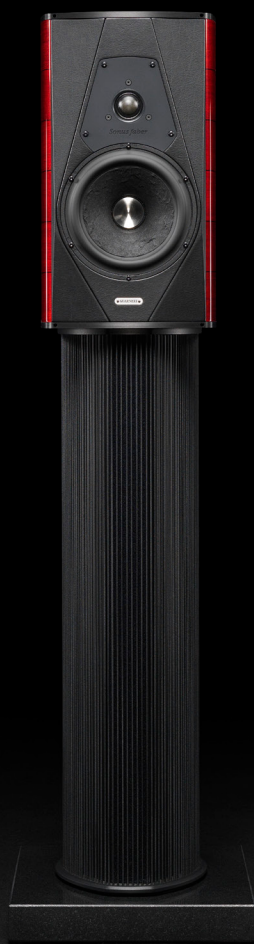


GUARNERI *evolution*

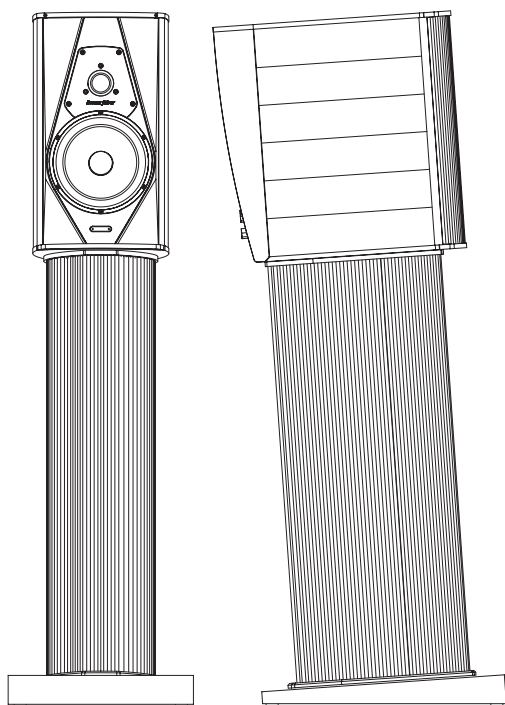
Eternity. Present.



Sonus faber

GUARNERI *evolution*

The Evolution of a Classic.



The new project confirms and modernizes another strong Sonus faber idea, of which the first Guarneri speaker was the earliest example: an acoustic instrument living in its environment becomes part of it, carrying out the functions of both a music source as well as being a beautiful piece of furniture.

The design choices, the finishes of the new materials, the increased quality of the craftsmanship and the extreme attention paid to every detail are, just like the sound produced, the enhanced expression of this concept and the most concrete testimony that Sonus faber everlasting values are not only deeply-rooted in the present, but also strengthened thanks to an evolution process.

Guarneri evolution expresses the renewal of continuity. An evolution made possible thanks to the combination of patented technical solutions that were developed through experience that brought Sonus faber to the production of its flagship "the Sonus faber".

AVAILABLE FINISHES



PIANO BLACK



RED /
BLACK SATIN

Data sheet

SYSTEM:

2 way, low spurious vibration optimized suspension, stealth reflex para-aperiodic loading, compact monitor on a dedicated stand loudspeaker system.

CABINET:

Lute shape design, multilayer, constrained-mode damping, enclosure formed using hand selected wood layers, quality graded and oriented for carefully optimized resonances control. Sub-structural ribs are strategically placed for absolute rejection of spurious vibrations. "New Era" avional (from the "the Sonus faber" experience) exo-skeleton clamp structure with the Tuned Mass Damper inhibiting the residual resonances of the wooden structure.

TWEETER:

29 mm ultra dynamic linearity classic Ragnar Lian moving coil driver, Sonus faber vibration optimized mechanical interface.

MIDRANGE/WOOFER:

179 mm, ultra dynamic linearity driver. CCAW/Kapton "eddy current free" voice coil. Dynamically linear magnetic field motor incorporating triple Kellogg/Goeller rings. Real time air dried and non pressed cellulose fiber cone. Designed synergistically with its optimized acoustic chamber. A special coaxial anti-compressor are used, designed to remove cavity resonance and distortions.

CROSSOVER:

Non-resonant progressive slope design, optimized amplitude/phase response for optimal space/time performance. Paracross topology on the tweeter hi-pass. The response at low frequencies is controlled for a clear amplifier friendly performance. Highest quality is used in terms of the components: Mundorf "Supreme" capacitors, Jantzen inductors. Crossover: 2800Hz.

FREQUENCY RESPONSE:

40 Hz - 30.000 Hz, Stealth reflex included

SENSITIVITY:

86 db SPL (2.83V/1 m)

NOMINAL IMPEDENCE:

4 ohm

POWER HANDLING:

25W - 200W, without clipping

DIMENSIONS (HxWxD):

410 x 235 x 412 mm

795 x 320 x 423 mm (dedicated stand)

TOTAL DIMENSIONS (HxWxD)

1205 x 320 x 510 mm

WEIGHT

37 Kg per pair

72 Kg per pair (dedicated stand)

TOTAL WEIGHT

109 Kg per pair



Technical specifications

THE ACOUSTIC ENCLOSURE

The cabinet is the highest expression of the lute shape design. The progressive gentle curve, made of multilayer cross-grained okumè, is applied through separate smoothed layers, thus applying the technique of constrained layer damping. The acoustic environment of the transducer of mid bass is optimized to a degree of theoretical perfection. Sub-structural ribs are strategically placed inside the cabinet to strengthen it. Guarnieri Evolution introduces the S.M.D.: Surface Mass Damper system that minimizes any discolouring of the cabinet.

TUNED MASS DAMPER

The two end-covers are linked by the dual avional rear wings, functioning as a high speed mechanical interface that conveys spurious vibrations to the base of the cabinet. A Tuned Mass Damper, with multiple tuning frequencies, like on record skyscrapers and F1 cars converts the residual vibrations into heat (thermokinetics) by out-of-phase vibrations.

EVOLUTION STAND

The "Anima Legata", another derivative of the "the Sonus faber", is made up of two surfaces, worked and positioned orthogonally to a concentric compressed traction bar in the column. A thickening volumetric eliminates any resonance in the cavity of the column and thanks to the friction between the grains a thermokinetic dissipation is generated.

L.V.T.

More than just a simple pedestal, the support column is a symbiotic element of Guarnieri Evolution. An instrument that reflects some of the fundamental elements of the concept from the "the Sonus faber" such as L.V.T. (Low Vibration Transmission) otherwise known as a system of mechanical decoupling from the floor obtained through a specifically optimized elastomer suspension. It substantially reduces the transmission of spurious vibrations in the listening environment and inhibits the production of damaging phenomenon such as acoustic feedback.

EXO-SKELETON

The Exo-Skeleton clamp is implemented by the 2 CNC machined avional nickel-plated end-covers (on the top and on the bottom of the cabinet). Their role is to control and constrain residual resonances of the enclosure walls. The two end-covers are linked by the dual avional rear wings, functioning as a high speed mechanical interface that conveys spurious vibrations to the base of the cabinet.

STEALTH REFLEX

The Stealth Reflex is the Sonus faber patented solution to implement a para-periodic vented system. Besides enabling to reduce the dimensions of the cabinet, better low frequency and lower distortions are reached. It has also the advantage of eliminating the port noises typical of classic bassreflex systems.



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AWARDS



**"FEDELTA' DEL SUONO HI-FI AWARDS
EDITOR'S CHOICE 2012"**

by FdS – Italia



"BLUE MOON AWARD 2012"

by SixMoons.com



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