

Sonus faber
MAXIMA AMATOR



Heritage collection was born from the desire of telling a story about our past, our qualities, and values. In other words, the story of our huge heritage.

We never imagined that Electa Amator III (2018) and Minima Amator II (2019), conceived as a pure homage to our roots, could achieve a success story. A market approval as large as unexpected that led us to go further.

With Maxima Amator, the line has almost become a time machine that brought us far back in the past to dredge up a project from many years ago, started several times but always abandoned because it was considered, at those days, impossible...



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Maxima Amator is the first 2-way floor stander model with a solid walnut wood's cabinet.

The 2-way design has always been a kind of "holy concept" that characterized Sonus faber production for the first 15 years of its life.

We treated the project as a glorification of the 2-way concept of merging two speakers together in the best possible way to achieve a unique emotion, as well as the maximum representation of the concept of the "Voice of Sonus faber".

Maxima Amator wants to pay homage to Music and lead the listener to its fullest enjoyment, allowing the immersion in its deepest essence.

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EXTREMA
1991 - 1996

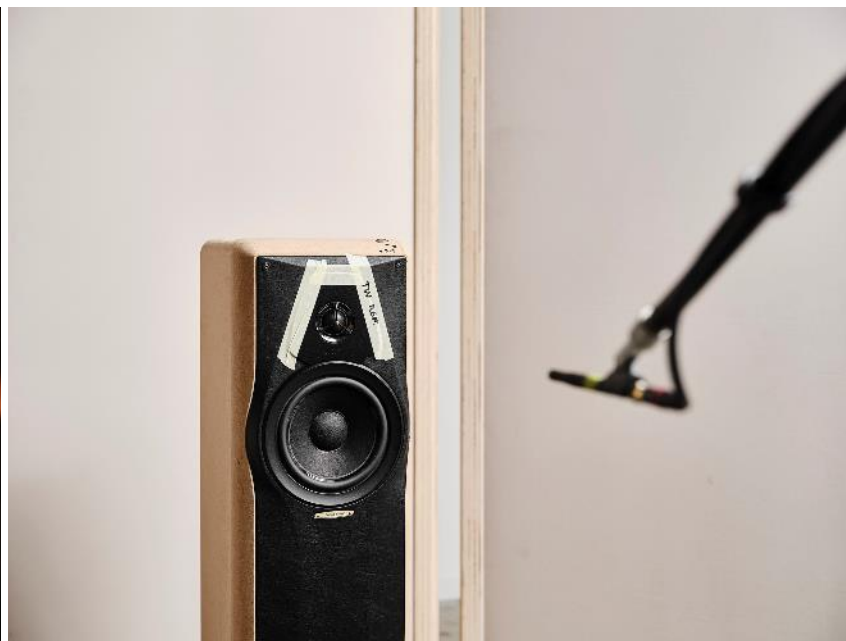
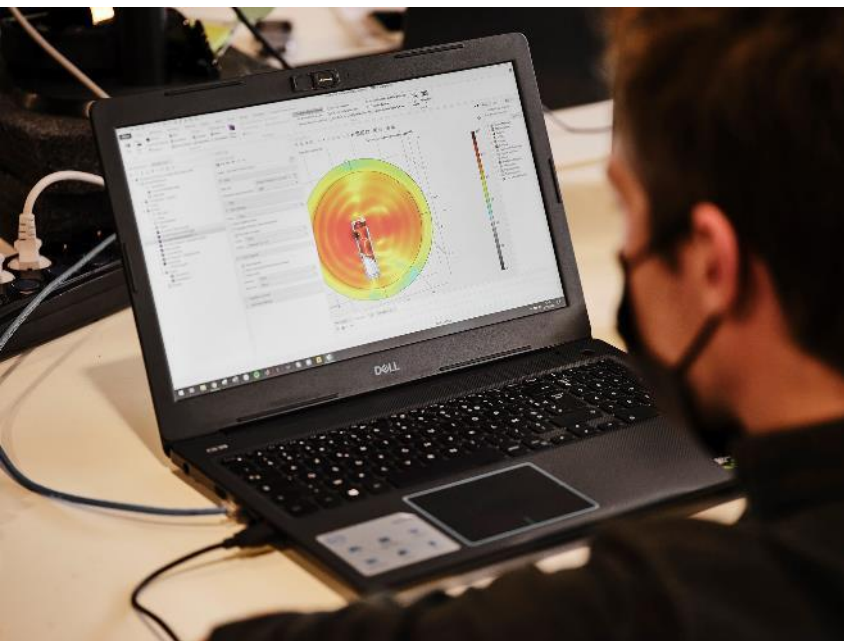
ELECTA AMATOR
1987 - 1997

MINIMA
1984 - 2000

PARVA
1983 - 1992

Modern technologies and computer simulation made possible for the team to evaluate the behaviors of standing waves inside the cabinet and gave the opportunity to verify ideal points for placing damping material as well as its perfect quantities.

After the choice of the drivers and a first phase of simulation, we achieved to define a series of fundamental parameters, such as the volume suitable for the 6.5" mid-woofer and its height from the ground, which has an essential impact for correct reconstruction of a sound stage being very clear in all the three dimensions.



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The definition of the perfect tonal balance took shape in the final stages through the fundamental "tuning by ear", this time performed in the new listening room of the Sonus faber's R&D laboratory,



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The Heritage collection DNA is evident, from the curved front baffle that envelop the mid-woofer, typical feature of all our Amator models, to the leather wrapping on front and back panels of the cabinet, to the use of natural stone.

Maxima Amator features a new kind of marble, with a warmer color compared to the Carrara used on Electa Amator III, but still a great material to offer a strong support to the entire cabinet.

Like in the rest of the line, the base is enriched by the brass parts on the cabinet and on the base itself.

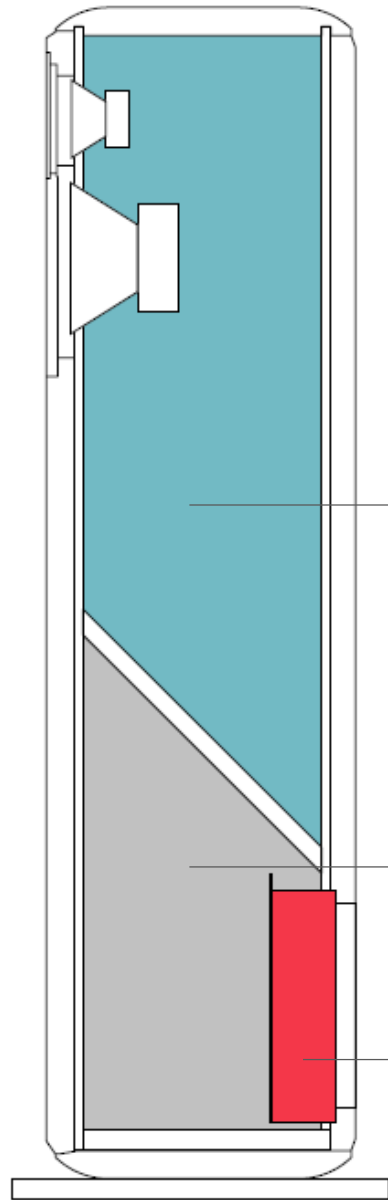
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The most important feature for a Heritage line element, is solid walnut wood cabinet, but this time also the most critical one.

Solid wood is a living and changing material and a large cabinet runs the risk of deforming or even breaking over time. This is why we abandoned the project at the beginning, many years ago.

Today we overcome these limits thanks to the new achievement of the wood working processes; the current wood drying methods and the use of specific internal structural ribs fixed with more flexible glues compared to the past, guarantee resistance to natural wood movement. Modern CNC machines, also allowed us to keep much tighter tolerances.





We took great care of internal volumes, and the cabinet has been divided into three separate chambers.

The **first** is the acoustic volume, optimized using software node simulators. We introduce a brand-new damping material 100 % made in Italy, composed by three layers: two external layers made of recycled carbon fiber with a particular silica fiber in between.



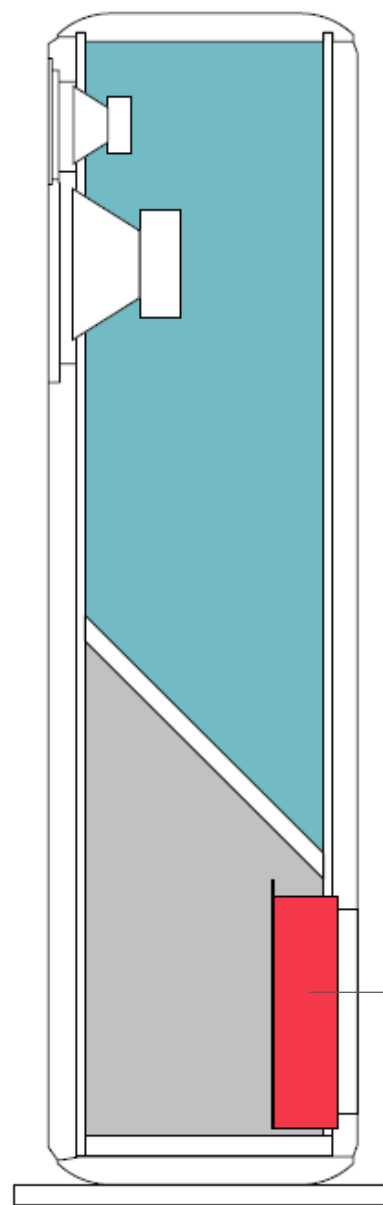
The **second chamber** is filled with damping material which gives stability to the cabinet increasing the weight and helps to reduce any small spurious resonances of the solid wood structure.

The **third chamber**, totally free of vibrations is entirely dedicated to hosting the crossover, which is therefore shielded against any possible vibration generated by the acoustic chamber.

Maxima Amator speakers are the same used for Electa Amator III.

The 28 mm tweeter, our best high frequency transducer also used in the Reference line, features a silk soft dome and is characterized by D.A.D. - Damped Apex Dome™ technology, which combines the dispersion capability of the soft dome membranes and the extension characteristics of the ring tweeters. This transducer features a Neodymium magnetic motor system and is implemented with a solid spruce wood acoustic labyrinth rear chamber.

The 180mm Mid-woofer features an air-dried membrane made of cellulose pulp and natural fibers, mounted on the Sonus faber original design die-cast aluminum basket.

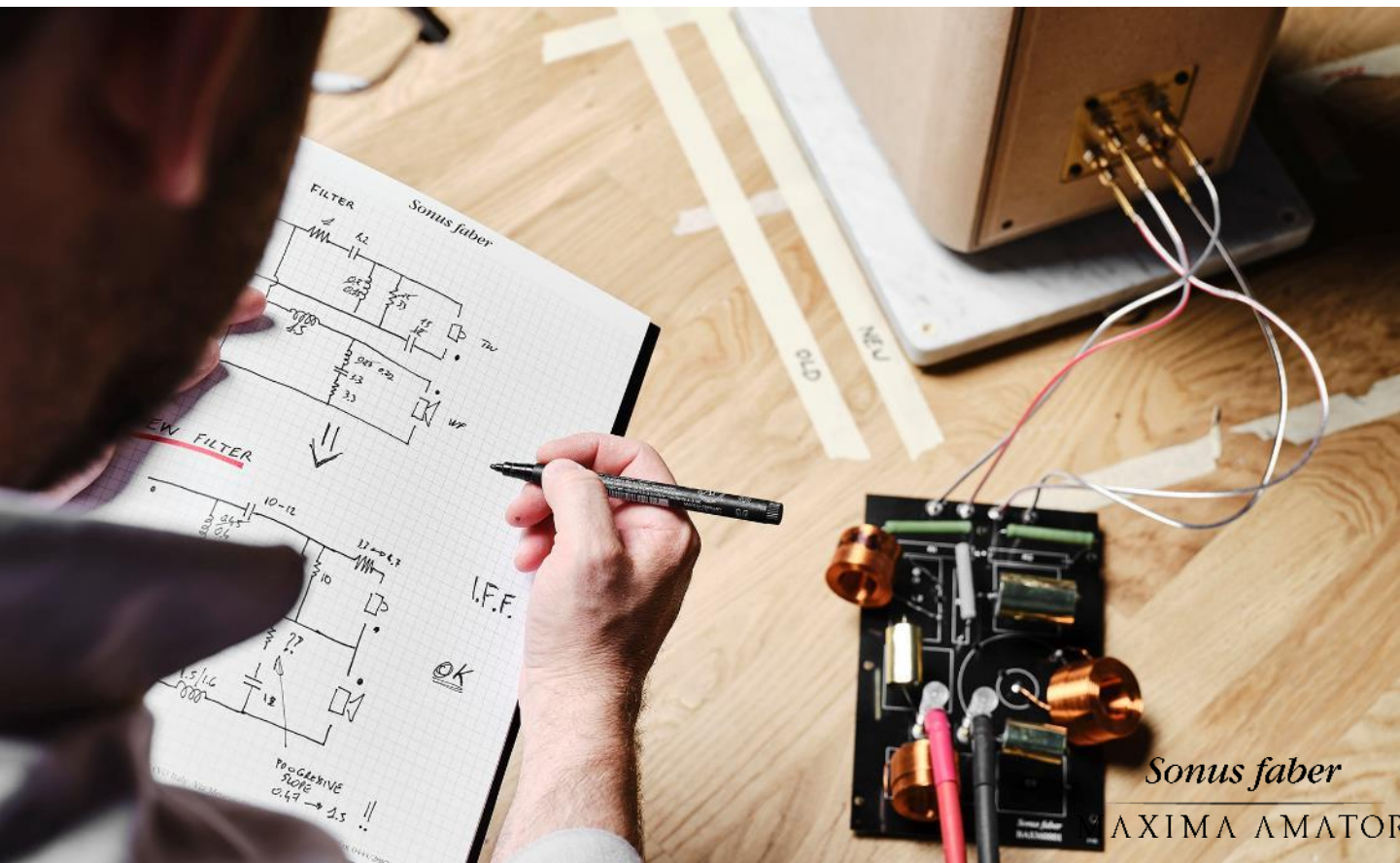


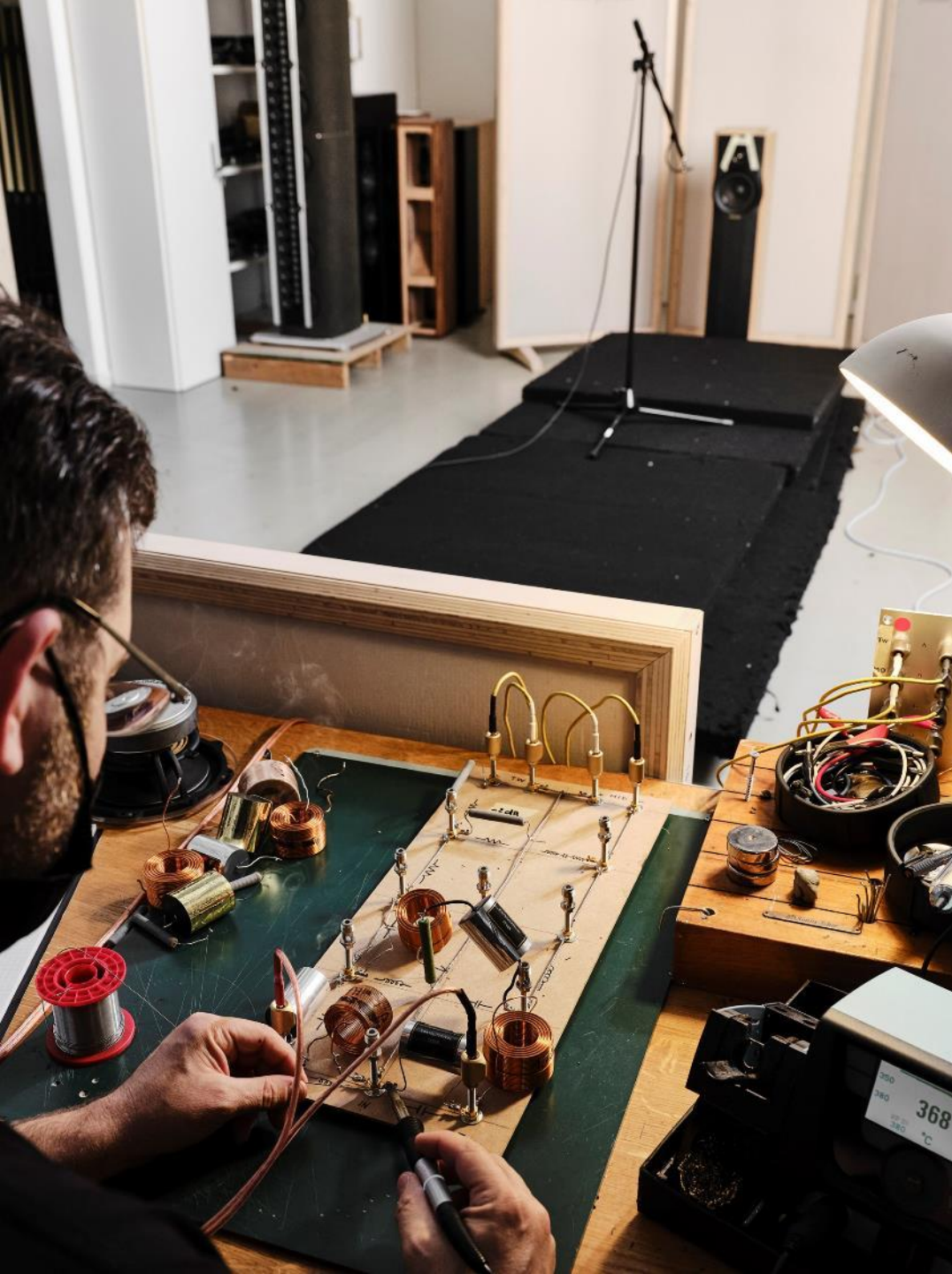
The Crossover network, instead, is completely new.

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During development, the R&D team adopted an original approach that led to rediscover an alternative “forgotten” path in crossover design: the series crossover. In series crossovers, the high pass influences the low pass and vice versa, this potentially leads to a better sonic merging of both ramifications of the filter.

And this is really what we were looking for: two drivers able to work in a maximally interconnected and organic way.





The IFF Crossover, "Interactive Fusion Filtering", foregoes the classical 1st order series iteration, for a more complex third order one, with non-academic transfer functions based on our accelerated progressive slopes.

Maximum attention was paid to the choice of crossover components: everything is the result of long listening and testing sessions, which guide us to perfect balance. We chose Litz Wire Coils impregnated in wax to eliminate vibrations, capacitors with highest quality polypropylene base film combined with thick aluminum metallization and anti-inductive resistors.

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With Maxima we wanted to be pure and in some how proud...so we decided to show to everybody the soul of Maxima Amator and for this reason the crossover is visible on the back of the speaker behind the terminals.

This design choice wants the listener to peek inside the product and just like the entire Heritage project with Maxima Amator in particular we invite the customer to look at the essence of the Sonus faber brand.

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SYSTEM	2-way floorstanding vented loudspeaker system.
CABINET	High rigidity diffused resonance spectrum system obtained by means of solid Walnut slabs (thickness 25 mm each). Baffle and back panel covered in leather. The cabinet consists of three different chambers, the first is the acoustic volume, optimized using software node simulators, the second is a volume filled with inert material that will give stability to the cabinet and will help reduce any small spurious resonances of the solid wood structure. . The third is the one that contains the crossover network isolating it from the acoustic chamber.
TWEETER	H28 XTR-04 DAD Sonus faber design silk dome 28 mm “Arrow Point” DAD tweeter.
MIDWOOFER	MW18XTR-04 Sonus faber design 180 mm cone with real time air dried non pressed blend of traditional cellulose pulp, kapok, kenaf and other natural fibers.
CROSSOVER	IFF “Interactive Fusion Filtering”, design with a special transfer functions based on accelerated progressive slopes. Crossover frequency: 2.100 Hz
FREQUENCY RESPONSE	35 Hz – 35.000 Hz
SENSITIVITY	88 dB SPL (2,83V/1 m)
NOMINAL IMPEDANCE	4 ohm
SUGGESTED AMPLIFIER POWER OUTPUT	25-125W
DIMENSIONS (HxWxD)	1120 x 300 x 350 mm / 44,1 x 11,8 x 13,8 in
WEIGHT	38 Kg / 83,7 lb each
SMRP	15.000 EUR 15,000 USD

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THANK YOU

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