

Sonus faber

Suprema



Synera



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Suprema

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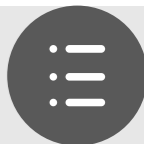
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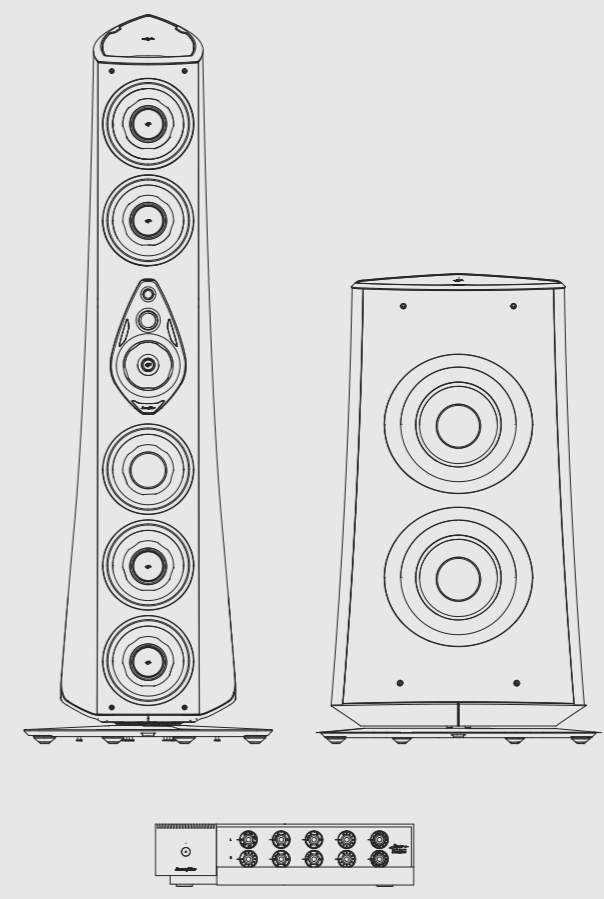
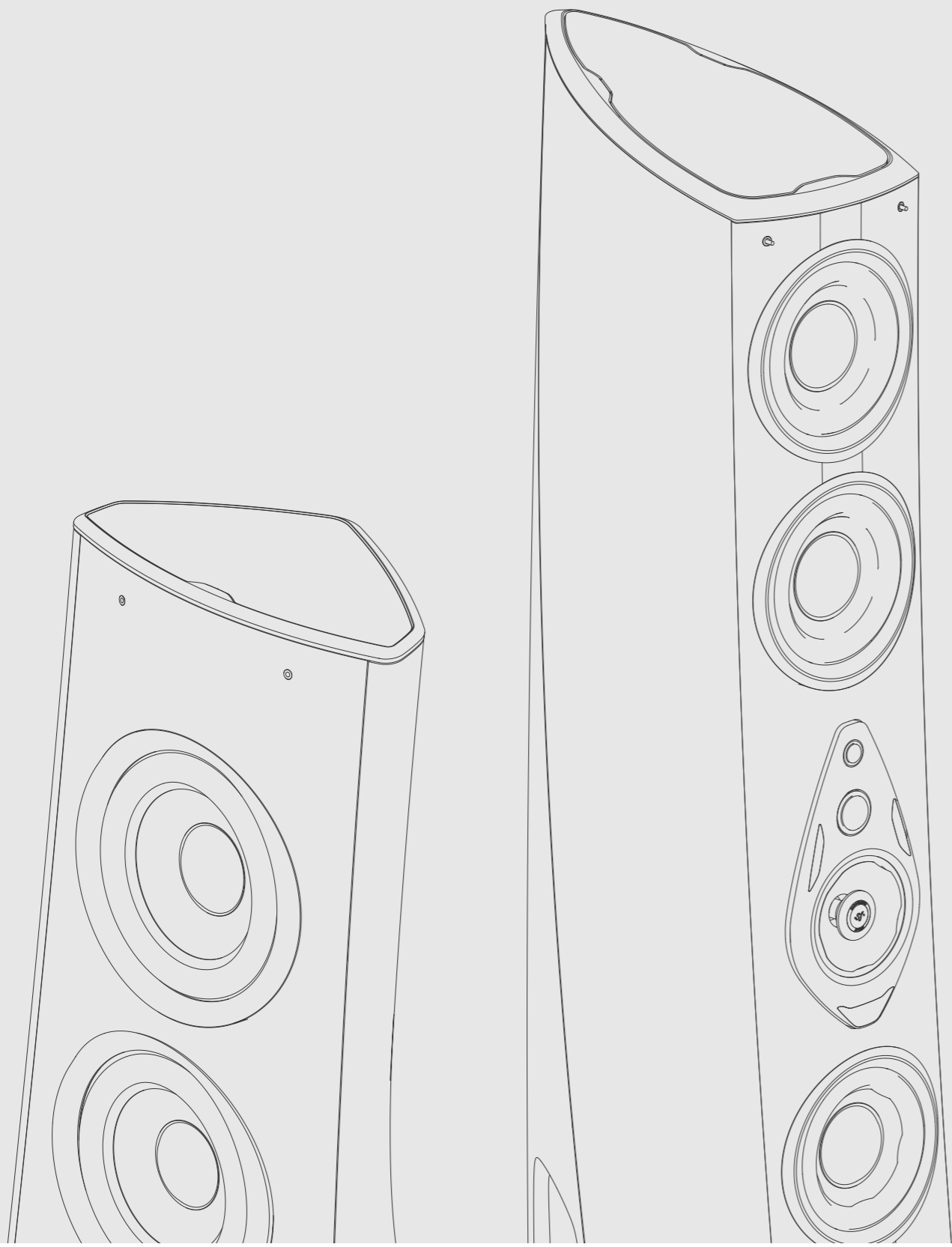
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INTRODUCTION

The most ambitious project ever crafted by Sonus faber.



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MEET SUPREMA

Introducing the Suprema loudspeaker system, the most ambitious project ever crafted by Sonus faber. Suprema represents a new pinnacle for the brand - where exquisite detailing, exceptional materials, and generations of leading craftsmanship elevate a project beyond the concept of a traditional loudspeaker system. Suprema is the embodiment of Sonus faber's long standing dedication to pushing the boundaries of audio excellence.

Suprema is made possible by the relentless progression of our Research & Development team. In recent years, the department has blazed a new trail of structural and technological advancements in audio engineering - all of which are brought to life in the creation of Suprema.

Suprema represents the most high-performance loudspeaker in Sonus faber's rich history, whilst setting a new and critical milestone for the future development of its products. Suprema is now the benchmark by which all future designs are measured - a lasting legacy of technology that will define a whole new generation of Sonus faber products.



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SOPHISTICATION BROUGHT TO LIFE

Refined for excellence, Suprema consists of an intelligent four-column system, inclusive of two primary loudspeakers, two subwoofers, and an external, high-performance electronic crossover.

This design has been painstakingly calibrated by Sonus faber's engineering team, and assembled with the sole intention of lifting acoustic performance to untold levels of fidelity.







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REDEFINING A LEGACY

Sonus faber is famed for its decades-long development of bold and innovative new approaches to sound - with each new project aimed at taking the listener to previously unrealized levels of sonic perfection.

This long and storied journey of forward-thinking creativity is poured into every new Sonus faber project. Every product and design decision in Sonus faber's history has been essential in bringing us to where we stand in the industry today.

Suprema represents a new highpoint to this legacy. Not simply a new creation, but the next chapter in a longstanding pursuit of excellence that has come to define Sonus faber. Without the unrelenting progression of ideas, knowledge, and expertise that has preceded it, Suprema would not exist.





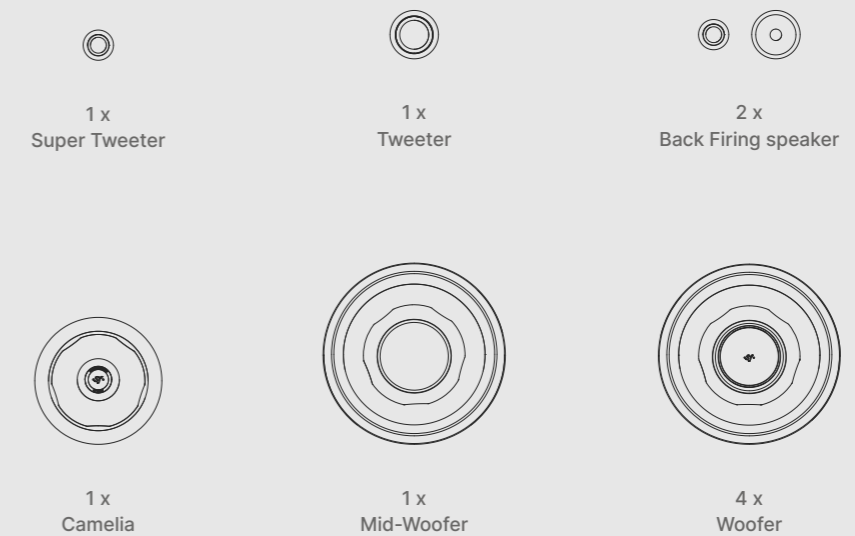
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A GROUNDBREAKING DRIVER COMBINATION

Each of Suprema's two main columns consists of a new and innovative 4.5-way system.

Back-firing speakers are implemented to vastly improve staging and dispersion, whilst a carefully calculated combination of front-facing speakers allows for jaw-dropping audio reproduction at every frequency level.

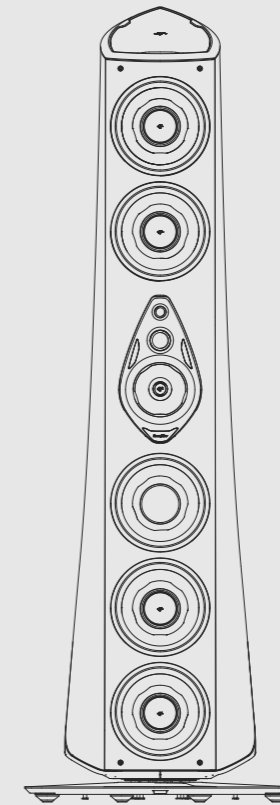






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THE MAIN COLUMN

4.5 way, sealed box design.

100 W – 700 W.



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THE EVOLVING VOICE OF SONUS FABER

Suprema has been developed to further elevate the signature 'Natural Sound of Sonus faber' beyond its already industry-defining foundations.

Suprema reconfigures the arrangement of tweeters and midranges into three new elements: one Camelia midrange with a cellulose pulp diaphragm, a brand-new and optimized mid-tweeter, and a newly designed super-tweeter featuring a treated silk dome.







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NATURAL CORK CHAMBER

Suprema's collection of tweeters and midrange are loaded into a wholly unique chamber - designed to nurture internal volume, and further enhance the performance of the drivers.

This chamber is realized through the use of computer simulation, yet the resulting unit is truly organic in shape; without regular interior walls and constructed from a completely natural and sustainable material - cork.

As a brand famed for innovation, Sonus faber can once again proudly claim another design and engineering first - pioneering the use of recycled cork to create acoustic volume. The acoustic properties of this material play a fundamental role in the resolution and natural quality of Suprema's midrange performance.



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CAMELIA MIDRANGE

Our midrange may be named for its striking resemblance to the Camelia flower, but that's not where its similarities end.

Traditional cone designs have consistently produced unwanted vibrations and resonances that have been proven difficult to manage. Camelia employs a new design, carving the edge of the cone in five places in order to obtain a smoother frequency response. The surround is a reverse cone - partially hidden by the Camelia cone - implemented to avoid out-of-phase movements and counteract any potential interference in frequency responses.

To deliver maximum power handling, the midrange uses a dual-drive motor system with neodymium magnets employed to achieve a high sensitivity, linear frequency range. A phase plug taken from the Homage collection allows for a smooth out-of-axis frequency response.

The result is a sound that truly blossoms, with a clarity and acuity that simply needs to be experienced first hand.







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DUAL-DRIVE WOOFER

Suprema's dual-gap woofer has been designed by Sonus faber's engineers to ensure perfect symmetry of the motor force, whilst significantly minimizing distortions intrinsic to conventional magnetic circuit design.

Innovations include an all-natural paper pulp sandwich cone, and a surround calibrated to deliver absolute balance with the needs of the motor action. The result is a woofer that delivers a remarkably fast and clean impulse response - taking the reproduction of low and ultra low to new, enthralling levels.

The woofer is further enhanced by a ventilated motor to lighten the power compression of the loudspeaker, and a new terminal cup made of aluminium - acting as both dissipator and a guarantee of circuit operation.



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SOUND DEEP ADJUSTMENT

To deliver a deeper and more immersive audio experience, Suprema employs Sonus faber's 'Sound Deep Adjustment' system. This takes the form of a two-way speaker system installed on the rear of the main column, designed to significantly enrich sonic staging and vastly improve dispersion - all of which is fully adjustable using an autoformer with tapping.







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COLUMN DECOUPLING SYSTEM

Musical texture flourishes when delivered in the context of deep, uncompromising silence. To achieve this, it's absolutely crucial to control the coupling between the speaker and the ground.

Suprema employs an industry-leading decoupling system created in collaboration with IsoAcoustics - allowing it to reach uncommon levels of dynamics and power whilst preserving energy content and avoiding the creation of any unwanted vibrations.



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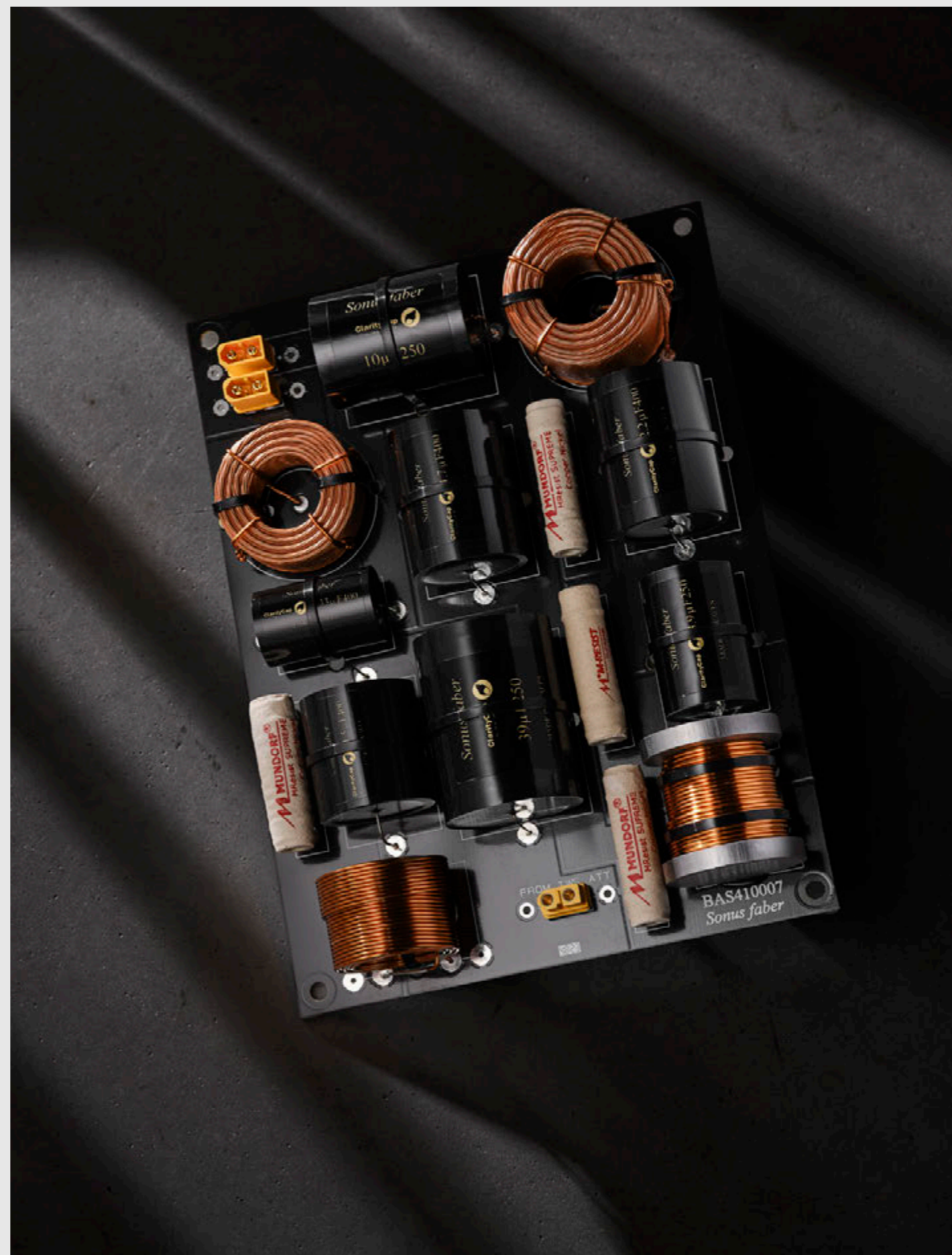
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THE ULTIMATE HYBRID

Suprema's highly calibrated crossover filters are partially visible on the sides of each main column. Sonus faber's R&D team have tapped into over a decade of design experience to produce this crossover - a culmination of the best-performing electroacoustic configurations from all preceding projects.

Through painstaking simulation, testing and empirical listening, these crossovers achieve unprecedented tonal balance and a rigorous control of acoustic phases - responsible for timing and stunning soundstage performance in all 3 dimensions.

The topology of the crossovers are a novel hybrid solution, matching 'IFF' technology and 'Paracross' topology, reaping the significant benefits of both systems. The 'Phase Coherent' design guarantees the optimal time alignment whilst allowing for full control of relative phase behavior.

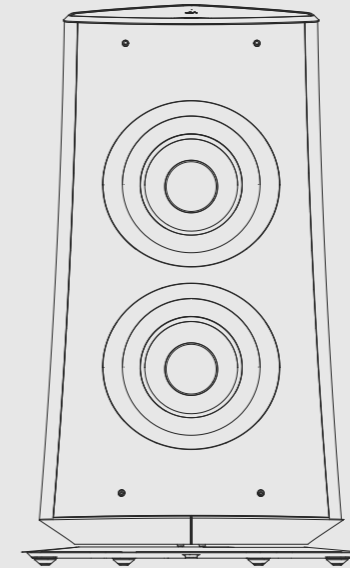
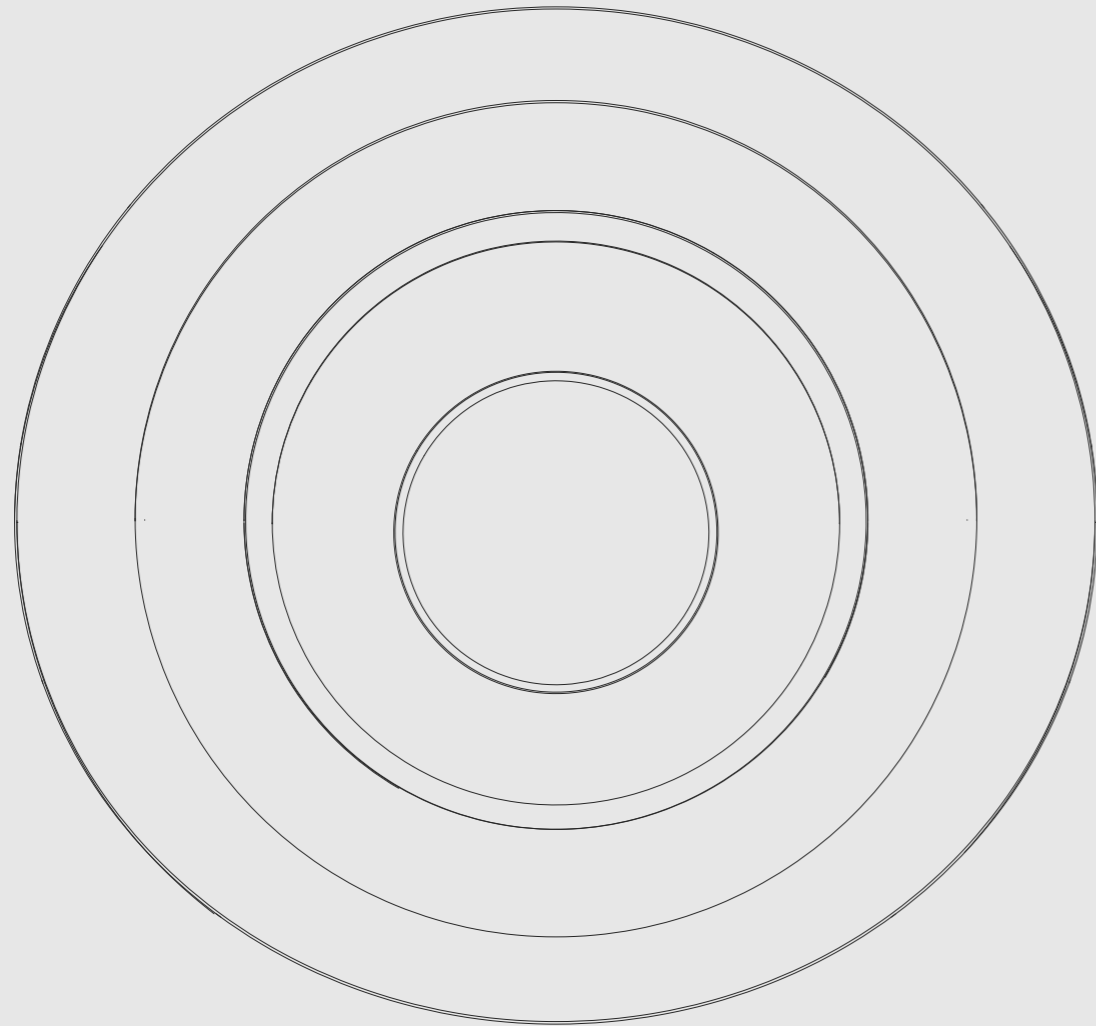






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THE SUBWOOFER

Sealed box loading, passive design.

500 W – 2000 W.



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IMMENSE WOOFERS

The Suprema subwoofer is a low-frequency marvel - utilizing two deeply powerful 38cm/15inch transducers with forged carbon fibre membranes, and a neodymium magnet motor system delivering undistorted pressures up to 16hz.

It allows Suprema to deliver a low-end experience unlike any other product in premium sound design.



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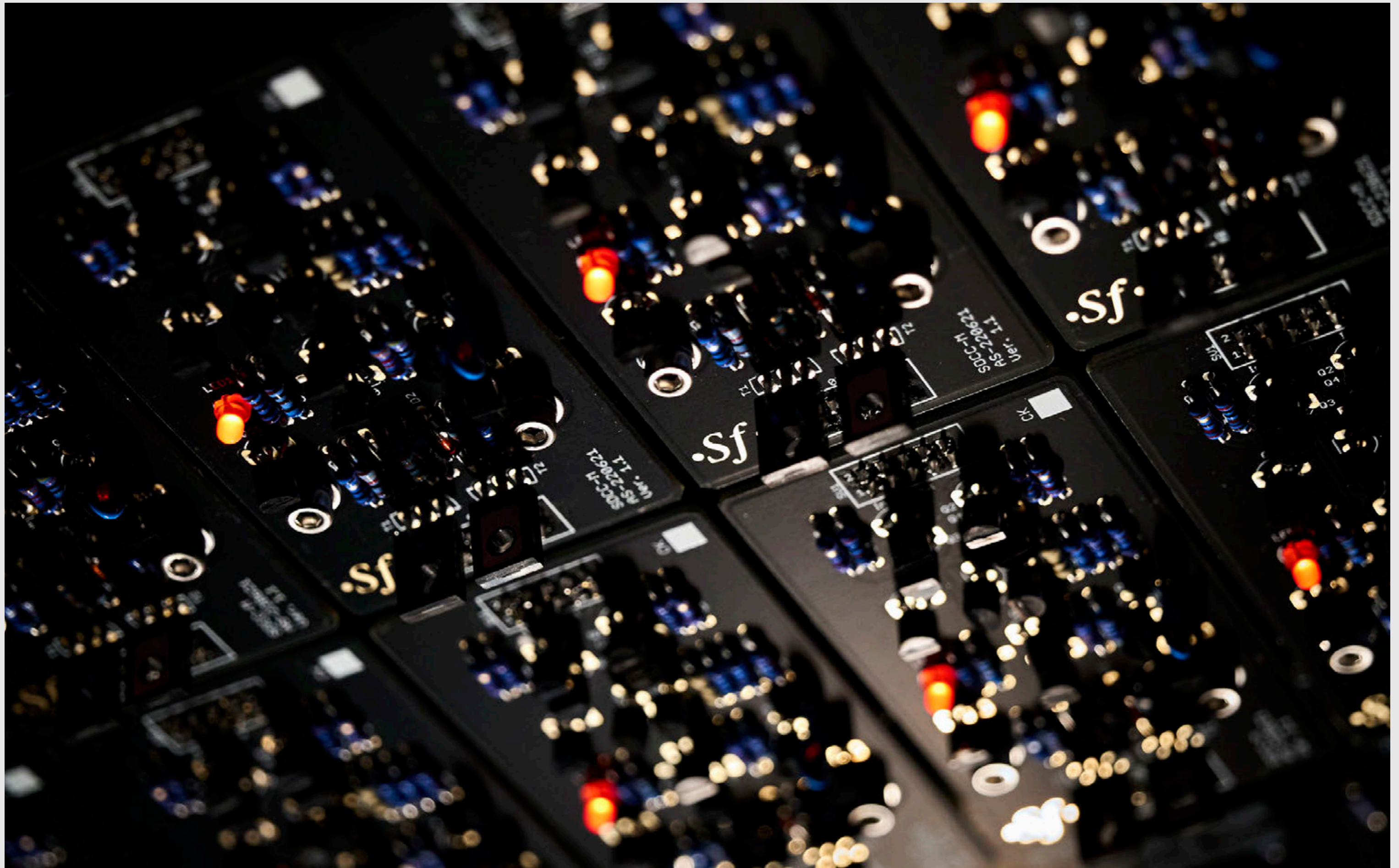
Suprema

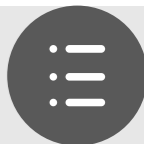
SUBWOOFER DECOUPLING SYSTEM

Just as with Suprema's main column design, decoupling is an essential component in preserving clarity in the subwoofer's audio performance.

Sonus faber once again partnered with IsoAcoustics to create the decoupling system present in Suprema's subwoofers, similarly engineered to preserve energy and avoid the propagation of distorting vibrations.

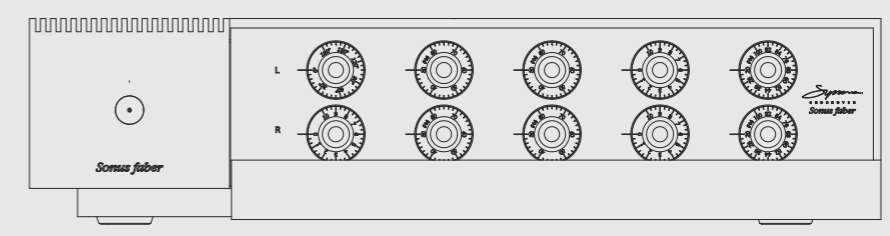
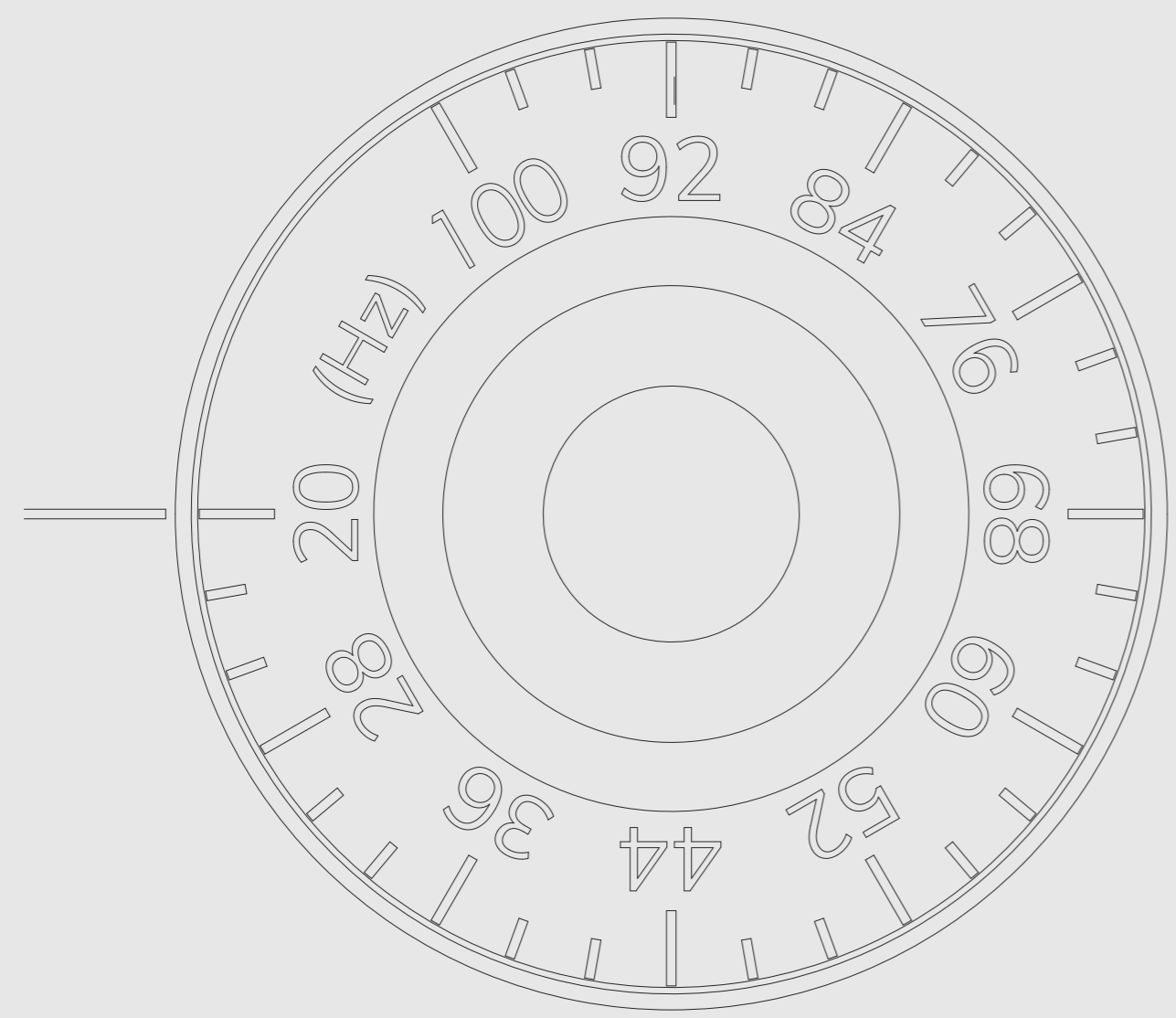






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THE CROSSOVER

Stereo/Mono, active design.

Full Discrete - Pure Analog.



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CROSSING BOUNDARIES

The crucial task of managing the integration between Suprema's main column and its subwoofers has been entrusted to a new, high performance electronic crossover - designed and built for Suprema.

This unique external crossover unit is perfect dual-mono and fully balanced, designed to offer complete versatility of use whilst simultaneously preserving the utmost fidelity of the electrical signal.

All phase cutting and control circuits are 100% analog and created using carefully selected, low-order components.



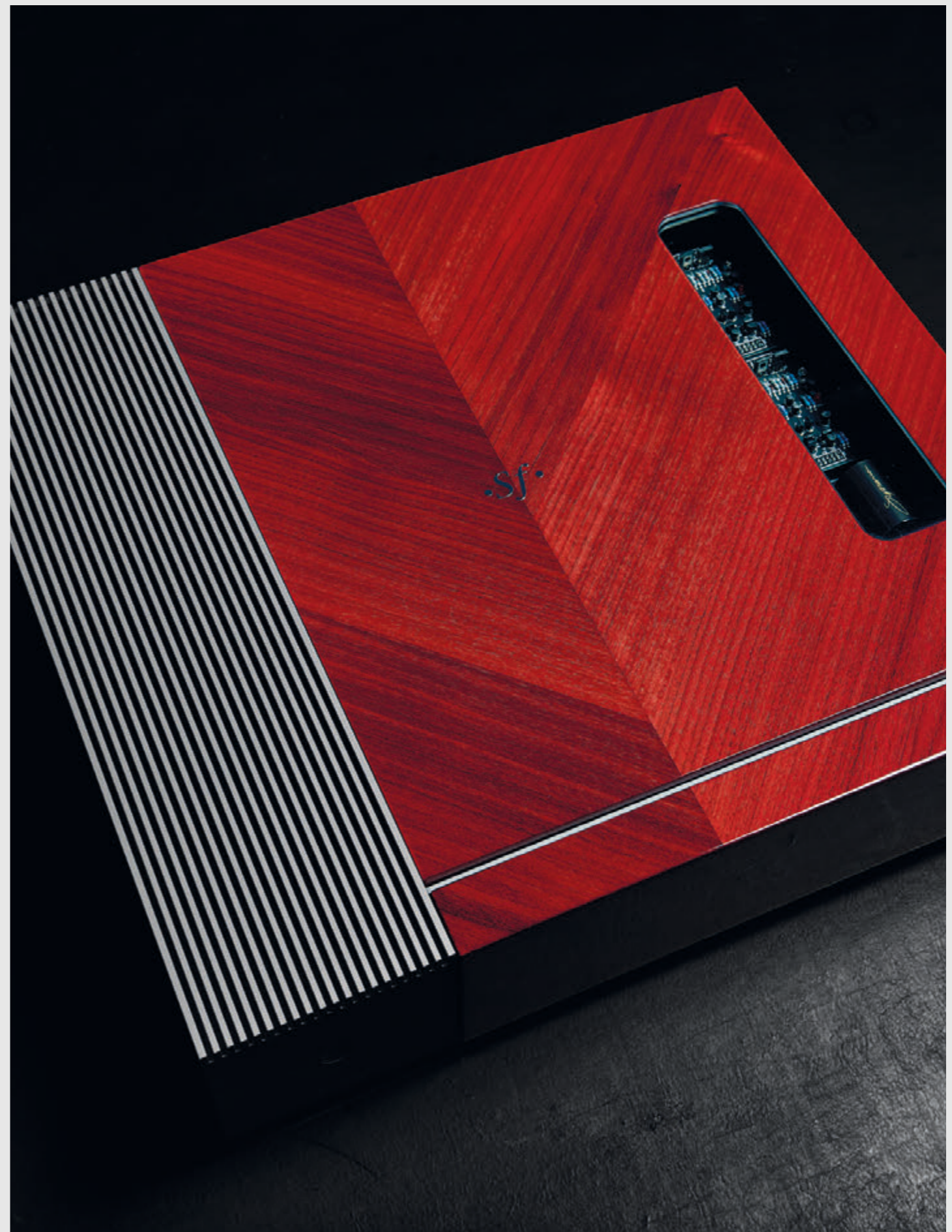
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DEEPLY LUXURIOUS THROUGHOUT

Sonus faber's design team have gone to great lengths to ensure Suprema's crossover casework mirrors the unparalleled luxury and eye-catching aesthetic of its corresponding speaker units.

The crossover's power supply comes enclosed in an imposing solid aluminum chassis, and all electronic components pertaining to the audio signal are guarded inside a beautifully rendered, lacquered wooden enclosure of the highest quality.

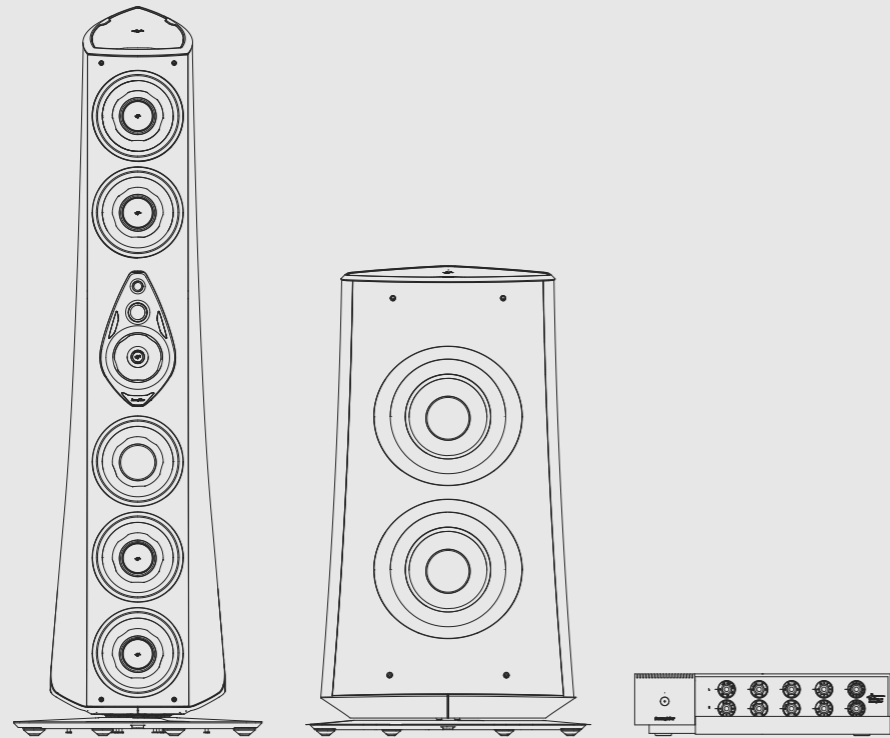






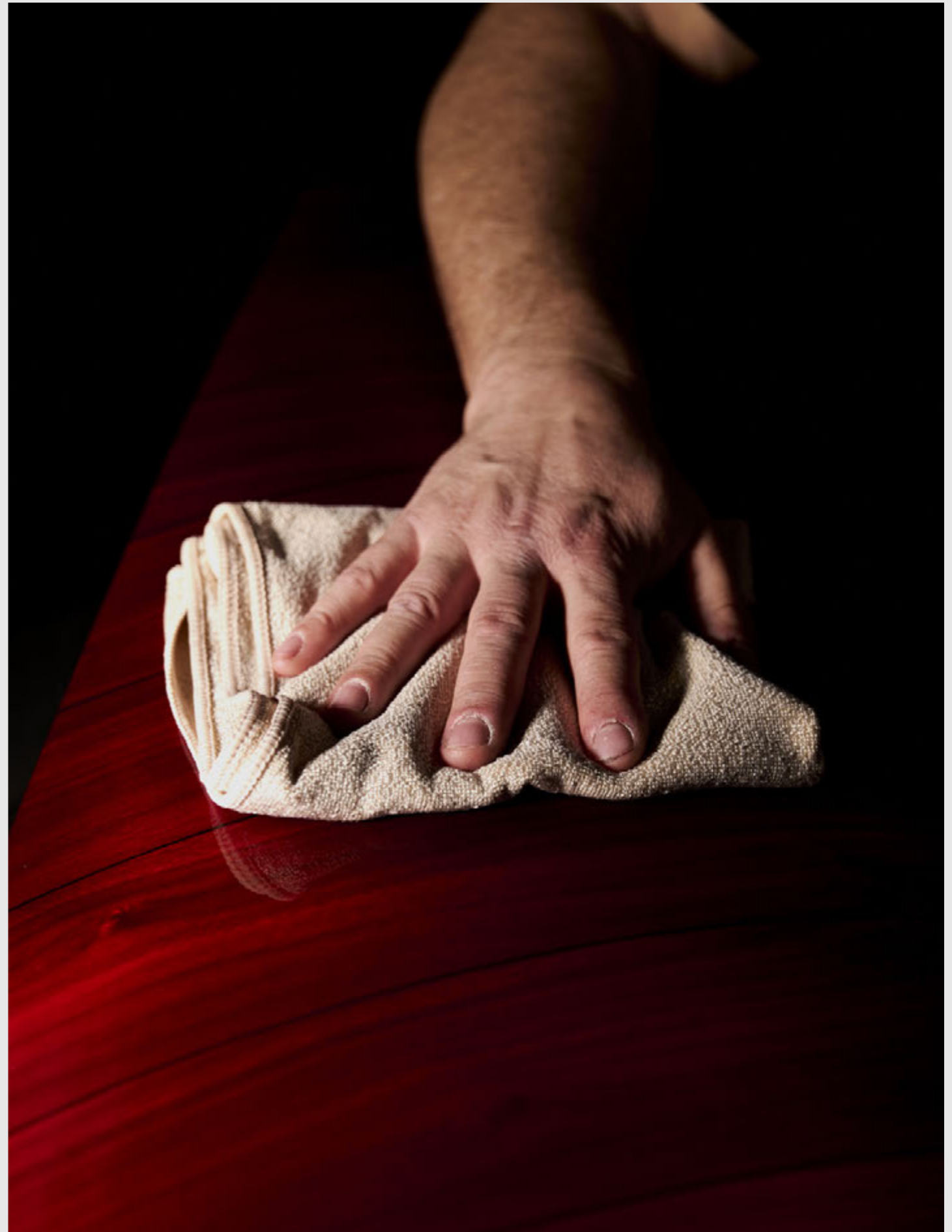
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PERSONALISATION

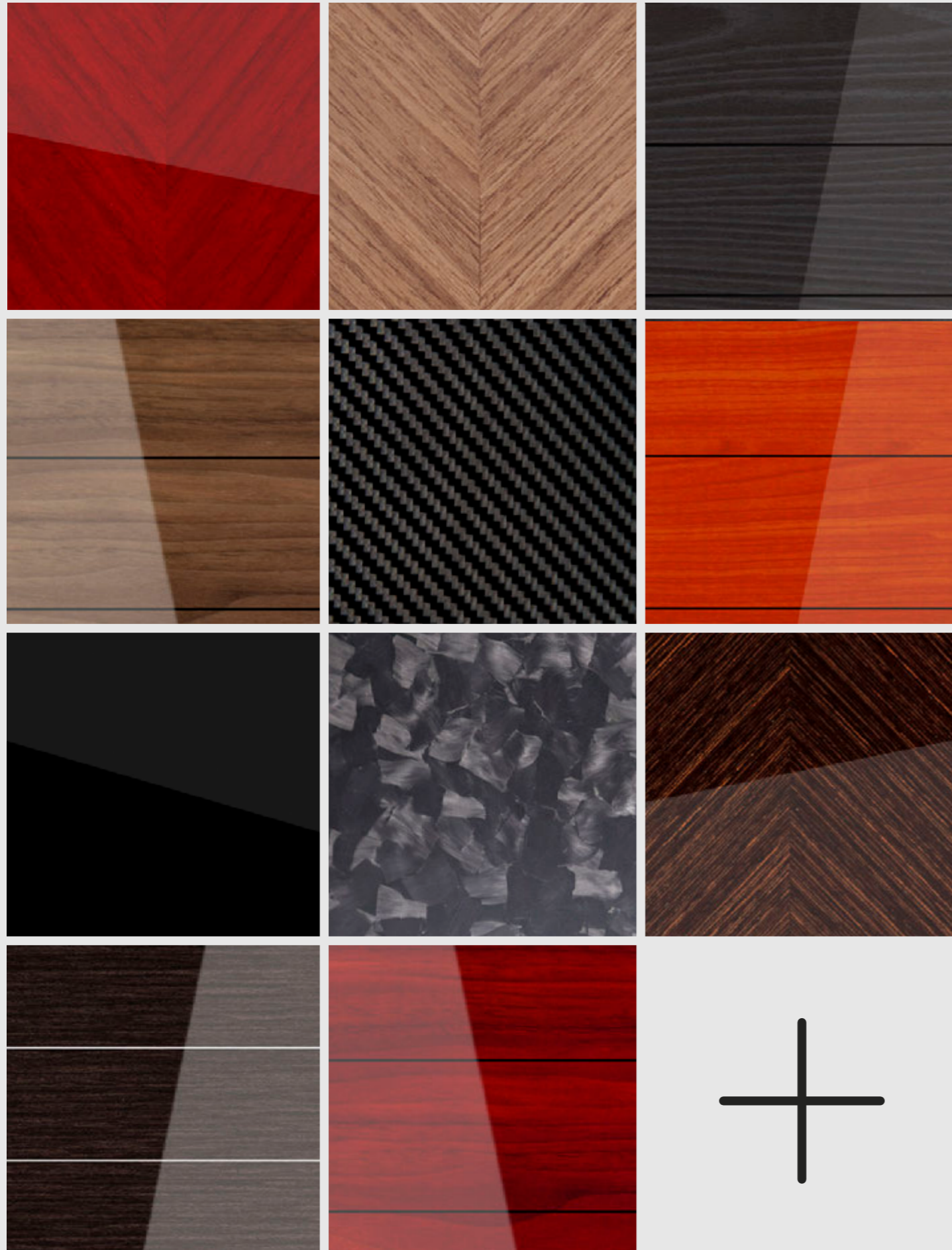
Tailored to be as individual as you.





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THE FINEST FINISHES

Suprema's elegant finishes have been hand-picked as an exterior reflection of the system's uncompromising internal design and elite audio performance. Fully-customizable on every level, Suprema can be finished to perfectly match the lifestyle of each and every discerning listener that brings the system into their home.

Whether you prefer the classic elegance of fine wood, the ultra-modern aesthetic of carbon fiber, the clean finish of high-polished metals, or the luxurious feel of natural leather, Suprema can be custom-curated to reflect the very essence of your individual character and home interior.

Each finish has been sourced by our expert design team, meticulously crafted to ensure the highest quality finishing of any loudspeaker available today. It makes each Suprema system a truly unique piece, perfectly complementing your personal style and interior décor.



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POLTRONA
FRAU
LEATHER

In keeping with Sonus faber tradition, the front panel of each speaker in the Suprema range is adorned with luxurious, natural leather, in collaboration with the esteemed Italian furniture brand, Poltrona Frau.

Each set of Suprema speakers will showcase distinctive Poltrona Frau Pelle Frau® ImpactLess leather - a material produced using a chromium-free tanning process, first launched in 2022.

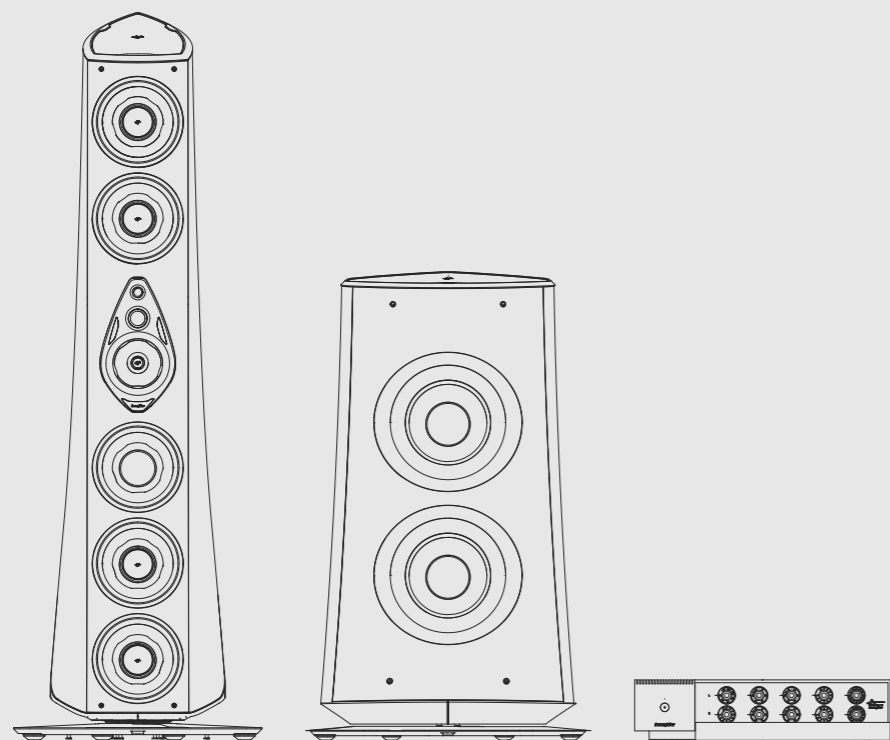






Sonus faber

Symena

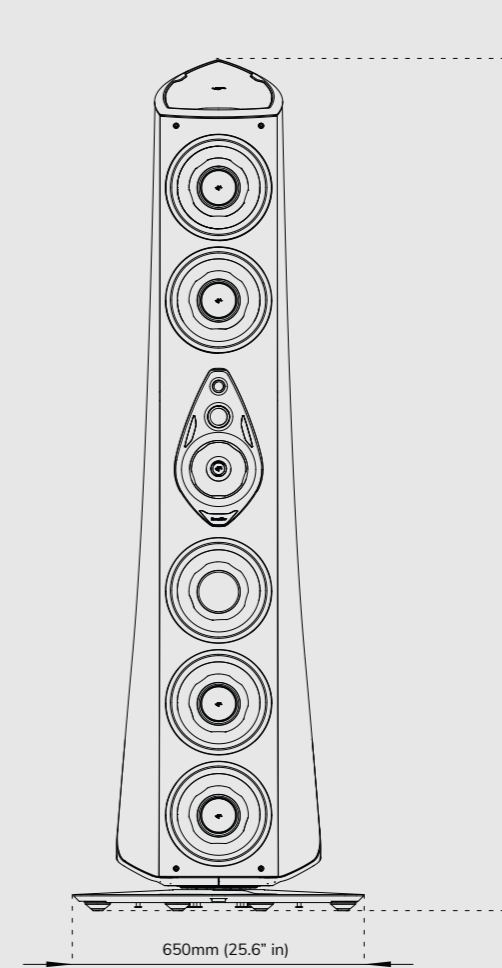


SPECIFICATIONS

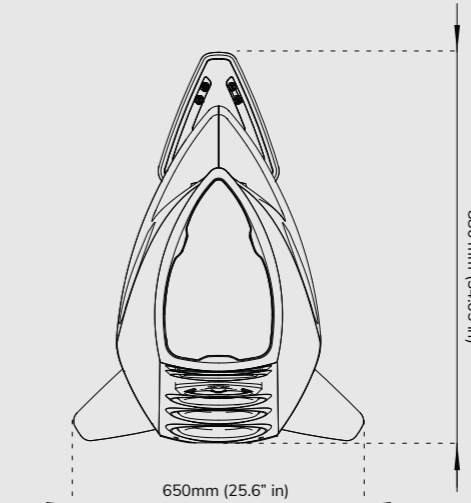
Masterful Craftsmanship Meets Sonic Perfection.

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Symena



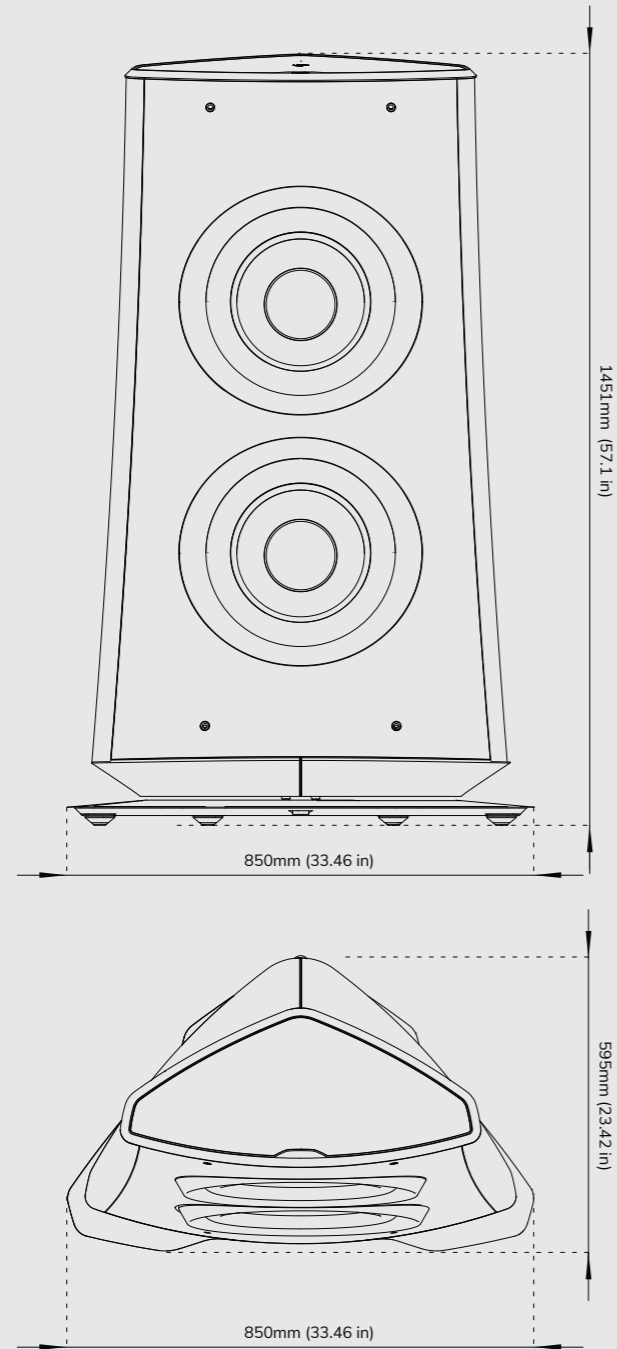
MAIN COLUMN DRAWING



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Synema

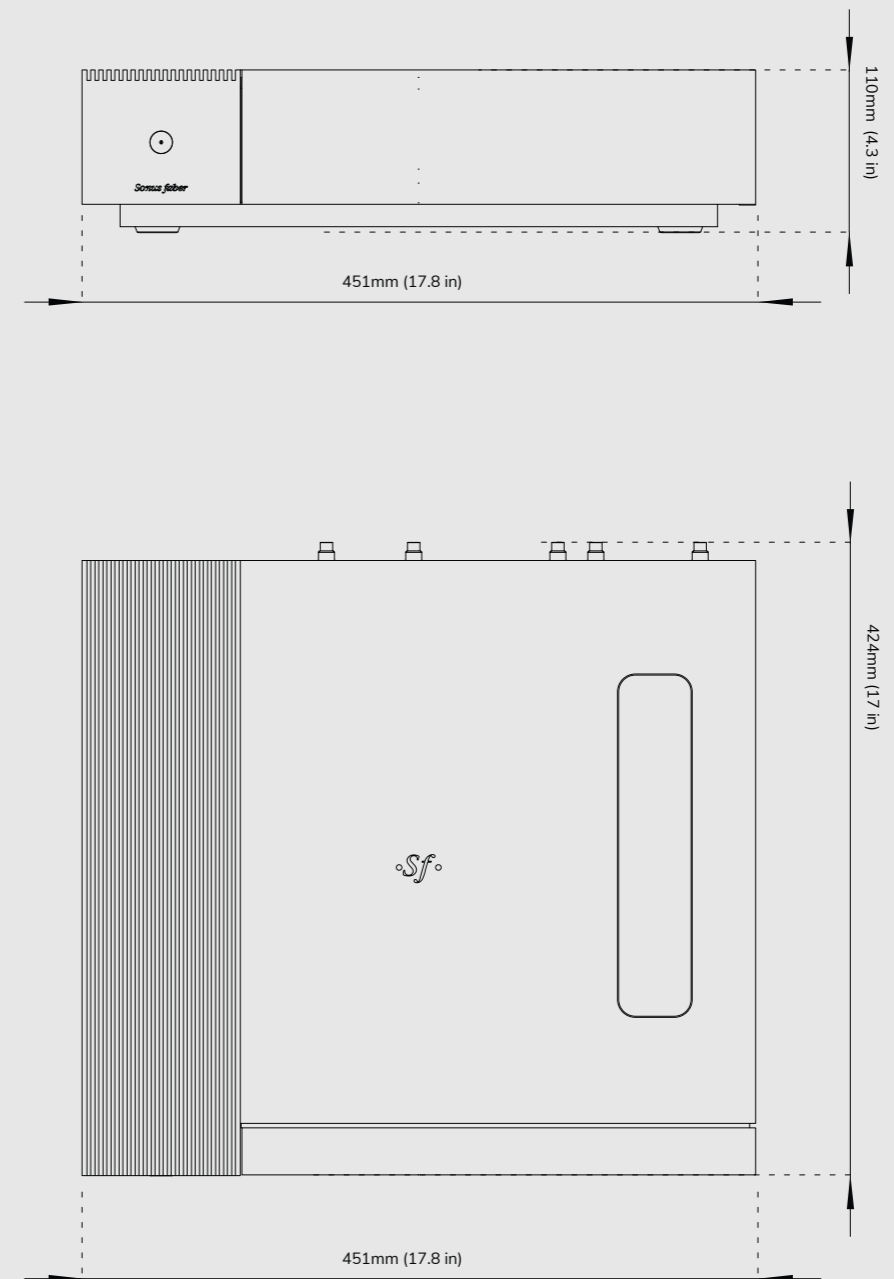
SUBWOOFER DRAWING



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Synema

CROSSOVER DRAWING





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Synema

SPECIFICATIONS

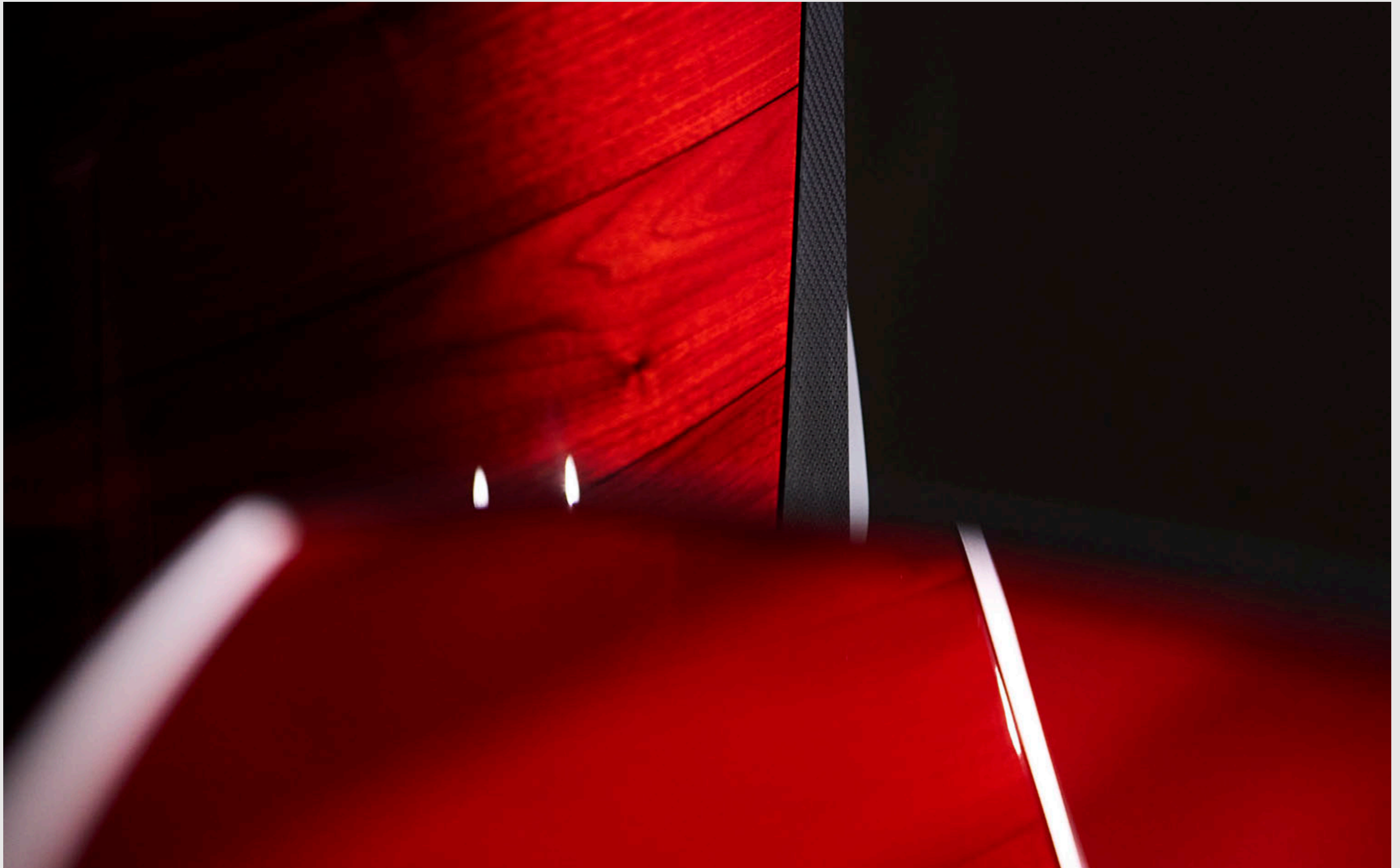
System	MAIN COLUMN: 4.5 way sealed box. SUBWOOFER: Sealed box loading, passive subwoofer. CROSSOVER: Full Discrete – Pure Analog Stereo/Mono active Crossover.
Loudspeakers	MAIN COLUMN: Stw: Ø 20 mm, silk dome with dedicated waveguide, High Power Neodymium, Extended Range Double Soft Dome. Tw: Ø 38 mm, silk dome with dedicated waveguide, High Power Neodymium, Extended Range Double Soft Dome. Md: Ø 165 mm, dual driver motor system with neodymium ring magnet. Lmw: Ø 203 mm, neodymium slug magnet, Ø 65mm voice coil, sandwich paper cone. W: Ø 4×203 mm, dual driver motor system with neodymium ring magnet, Ø 50 mm voice coil, sandwich paper cone. Btw: Ø 28 mm, silk dome, neodymium magnet. Bmd: Ø 101 mm, paper cone driver, neodymium magnet. SUBWOOFER: Ø 2×380 mm carbon fiber sandwich cone.
Crossover Points	MAIN COLUMN: Front emission: 360, 430, 1700, 6700 Hz. Back emission: 500, 2300 Hz.
Frequency Response	MAIN COLUMN: Front emission: 45 Hz – 40000 Hz. Back emission: 500 Hz – 20000 Hz. SUBWOOFER: 16 Hz – 30/80 Hz, variable based on the setting of the electronic crossover. CROSSOVER: MAIN: 25 Hz – 150000 Hz. PROC: 5 Hz – 150000 Hz.
Sensitivity	MAIN COLUMN: 91 dB SPL (2.83V/1 m). SUBWOOFER: 92 dB SPL (2.83V/1 m).
Nominal Impedance	MAIN COLUMN: 4 Ohm. SUBWOOFER: 4 Ohm.
Recommended Power Amplifier	MAIN COLUMN: 100W - 700W, undistorted signal. SUBWOOFER: 500W - 2000W, undistorted signal.
Audio Input / Output	CROSSOVER: OUTPUT DRIVING CAPABILITY: Unbalanced: 6 V rms (+15,5 dBv) @ 490 Ohm. Balanced: 11 V rms (+20 dBv) @ 980 Ohm.

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SPECIFICATIONS

Mains Input Voltage	CROSSOVER: 110Vac, 60 Hz, 0.26A, 30W. 220Vac, 50 Hz, 0.26A, 30W.
Connectivity	MAIN COLUMN: 4 connectors binding post: Mid-Hi, Low. SUBWOOFER: 2 connectors binding post. CROSSOVER: INPUT CHANNELS: 2 Unbalanced, 2 Balanced. OUTPUT CHANNELS: 8 Unbalanced, 8 Balanced.
Decoupling Systems	IsoAcoustic.
Product Dimensions (HxWxD)	MAIN COLUMN: 1905 × 650 × 880 mm (75 × 25.6 × 34.7 in) each. SUBWOOFER: 1451 × 850 × 595 mm (57.1 × 33.5 × 23.4 in) each. CROSSOVER: 110 × 451 × 424 mm (4.3 × 17.8 × 17 in) / unit.
Dimensions With Packaging (HxWxD)	MAIN COLUMN: 2110 × 830 × 1200 mm (83 × 32.7× 47.2 in) each. SUBWOOFER (WITH OR WITHOUT CROSSOVER): 1900 × 1000 × 830 mm (74.8 × 39.4 × 32.7 in) each.
Weight	MAIN COLUMN: 110 kg (242,5 lb) each. SUBWOOFER: 105 kg (231.5 lb) each. CROSSOVER: 17 kg (37,5 lb) unit.
Packaging Weight	MAIN COLUMN: 241 kg (531.3 lb) each. SUBWOOFER (WITHOUT CROSSOVER): 219 kg (482.8 lb) each. SUBWOOFER (WITH CROSSOVER): 238 kg (524.7 lb) unit.
Cabinet	Double curvature - Lute shape. High gloss wood, Carbon fiber, Black leather, Aluminium.
Fuse	FST 5×20 / 500mA, Time-Lag, 250Vac @220Vac. FST 5×20 / 1A, Time-Lag, 250Vac @110Vac.



Synera

Suprema not only represents the highest-performing
loudspeaker in Sonus faber's history but also serves as a
critical milestone for the R&D team. It acts as a test bench for
the creation of a lasting legacy of technical solutions that will
define the next generations of Sonus faber products.



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SF/SUP/BRC/1024-V3

