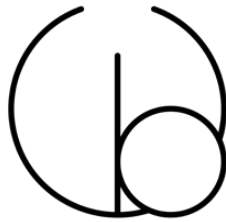


PRECISION SERIES





To the cognoscenti of British high-performance audio, the Wilson Benesch marque is recognised as one of the world's leading loudspeaker design and manufacturing companies in existence today. The driving force behind the Wilson Benesch brand is fundamentally a deep passion for music and engineering.

Music is an art form. From sound to silence; a simple, single instrument, to a full orchestra, music is capable of transforming, uplifting and emotionally stirring us like perhaps no other art form. Our mission is to enable access to this art form; revealing every detail, nuance and timbre of the recorded artist through the world's ultimate audio products. Through an iterative process of design, underpinned by highly ambitious research and development programs, Wilson Benesch puts you closer to the artist than ever before.

In terms of engineering, the Precision Series distils three-decades of engineering excellence and research, bringing together a contemporary line of products. The Precision Series draws upon core technologies from Wilson Benesch's reference loudspeaker line, delivering trickle-down technology in a product line with exceptional value that allows access to the Wilson Benesch marque to a wider audience than ever before. Our team of engineers, craftspeople and designers have devoted every effort to design and manufacture the Precision Series and we are extremely proud to present our new line to you.

A handwritten signature in black ink, appearing to read 'Craig Milnes', with a long horizontal stroke extending to the right.

Craig Milnes,
Design Director

A handwritten signature in black ink, appearing to read 'Christina Milnes', with a long horizontal stroke extending to the right.

Christina Milnes,
Managing Director

**“Wilson Benesch’s
entry-level speakers set
new standards.”**

WHAT HI-FI? MAGAZINE UK



Built upon a Legacy.

Located in Sheffield, South Yorkshire, Wilson Benesch is a highly optimised, vertically aligned design and manufacturer comprised of a team of highly trained designers, engineers and craftspeople. Founded in 1989, the Wilson Benesch brand is now recognised across the globe as a leading design and manufacturer of bespoke high-end audio products.

Over more than three-decades the company has consistently invested in and conducted high risk research, not only into pioneering materials science, but also into advanced manufacturing technologies. The company's first product, the Advanced Composite Technology 'A.C.T.' Tonearm, was a tapered, tubular, single piece monocoque carbon fibre tonearm. In the same decade that McLaren introduced the first F1 carbon fibre composite chassis that changed the history of the world's most technologically advanced sport forever, a high-end audio business start-up in Sheffield introduced the A.C.T. Tonearm to the high-end audio industry and in doing so one of the very first carbon fibre composite consumer products in the world.

Wilson Benesch recognised from the outset that advanced materials technology was central to the performance of a product. Before the Wilson Benesch name had even been conceived, an ambitious grant application was written and submitted to Her Majesty's Government under the Department of Trade and Industry. The grant proposed to create a series of new audio technologies that would draw upon collaborative research with leading institutions working within the aerospace sector to create a new British export. The grant application was a success and the Wilson Benesch name was born. In the development of the original tonearm, turntable and subsequent loudspeaker, the A.C.T. One, Wilson Benesch worked collaboratively with the engineers who had developed the Rolls-Royce RB211 carbon fibre fan blades and in doing so became one of four companies in the UK creating carbon composite components alongside Lotus Cars and two Ministry of Defence contractors.

The A.C.T. One Tonearm, Wilson Benesch Turntable and A.C.T. One loudspeaker were a great success story. Almost immediately the trio of products were picked up in Japan and Germany - the leading high-end markets of the time - and became a multi-award winning product line that placed Wilson Benesch and its pioneering advanced composite designs at the cutting edge of the high end audio industry almost over night.

In 2020, Wilson Benesch has applied for and won six Government Grant funds that has seen the company commit to match funded, high-risk research and development projects to the tune of millions of pounds. This has allowed Wilson Benesch to create a unique vertically aligned structure, where concept and design exist directly alongside manufacturing and production. From sketch to advanced 3D CAD modelling, through precision CNC-Machine and VRM-Carbon Composite manufacturing to precision craft and construction, Wilson Benesch deliver a British audio product like no other. As Wilson Benesch enters the 2020, it does so with awards across its current product lines from the leading hifi journals of the day. Once again affirming the company's position as a leader in high-end audio design.

By adopting key structural elements, componentry and design facets from the company's reference line, the Precision Series design builds upon decades of work in drive unit technology, enclosure construction and numerous other technologies that are central to the success of high-fidelity audio reproduction that legislate for award-winning designs. The compound benefits of this integrated approach are expressed throughout the Precision Series and was one of the principle reasons for the choice of the name. The complete control over every component in the synthesis of any product design is a considerable asset and strength that has been fostered by Wilson Benesch. It is this capability that has provided the foundation for the development of many small but very important and often innovative details that set a Wilson Benesch apart from other designs. The Precision Series is in every way a product built upon a strong legacy of innovation.



In-House Design & CNC Machined. Hand-Crafted in Sheffield, England. Built For You.

Despite the minimal, contemporary outward appearance of the Precision Series loudspeaker, the enclosure is in fact a statement in design and innovation that draws together more than thirty individually designed components that have been created entirely in-house to create a finished product.

Central to the Precision Series design is the philosophy that multiple materials should be used in enclosure design to create hybridised structures. The Precision Series enclosure represents an engineering solution to a product design problem, that of controlling structural born resonant energy within a loudspeaker enclosure to reduce the Q-factor of the enclosure as much as possible. The distinct Precision Series top and bottom 'caps', whilst elegant forms, are in fact critical components in the pursuit of this goal. Precision CNC-machined from solid billets of aluminium, the caps lock in position the front and rear aluminium baffles with the wood side panels. The caps are then tied along the vertical axis of the Precision Series enclosure using 13mm steel bars that brace the enclosure and compress the whole structure to ensure it is as sonically inert and stiff as possible. Additionally, along the horizontal axis tubular structures lock into pre-routed grooves to provide both increased stiffness and damping of the Precision Series enclosure in this axis.

In terms of drive unit and crossover design, just as with the reference loudspeaker line Wilson Benesch adopt a holistic whole system approach. The Wilson Benesch sound is characterised by an effortlessly natural, musical presentation - relaxed, real - leaving the listener connected with the music. Acoustic design is a complex problem, but the tenets of Wilson Benesch design is the drive unit cone, the precise specification of the drive unit motor design and the enclosure volume which in turn inform a reductive approach to crossover design.

Wilson Benesch created the first iteration of its dynamic drive unit in 2002. Since then the Tactic Drive unit has evolved through three generations to arrive in its current form. Wilson Benesch was the first company in the world to develop a consumer product that used Isotactic Polypropylene. It's unique balance of high specific stiffness with exceptional damping afford the opportunity to create a reductive minimal crossover design. This philosophy is further developed and underpinned by complete control over every single component within the drive unit design and critically the enclosure design itself, allowing electro-acoustic roll off of the drive units. It is an elegant approach to sound design executed in the company's Eminence loudspeaker and now in the P2.0 and P3.0 loudspeakers where the midrange drive unit is directly coupled to the amplifier with no crossover components in the signal pathway. Natural, effortless and open - the Wilson Benesch sound is well recognised now globally.

Joining the Tactic II dynamic drive unit is Wilson Benesch's new high frequency transducer technology, the Leonardo Tweeter. Developed directly through an iterative design approach that gave birth to the Fibonacci and Semisphere Tweeters before it. As with the Fibonacci Tweeter found in Wilson Benesch's reference loudspeaker Eminence, the Leonardo Tweeter features a geometrically optimised and decoupled polymer-carbon fibre faceplate. This entirely proprietary component is manufactured in-house using State-of-the-Art 3D printing technology. The faceplate acts as a waveguide, delivering optimal dispersion and phase characteristics for the Leonardo Tweeter.

Just like the Semisphere Tweeter, Leonardo features the proprietary Neodymium magnet ring in its rear chamber. The beautiful open architecture design is created entirely in house on precision CNC machinery and ensures optimal energy paths for both acoustic and thermal energy; critical design considerations where super low distortion levels are aspired to.

The Precision Series stands upon a lifetimes work and a vast investment in the development of high performance audio systems that precede it. By drawing upon this intellectual property that resides within Wilson Benesch, the company is able to create something extremely special at a point within the market that has not been possible before. The Precision Series. Built For You.



P1.0



P1.0

Standmount Loudspeaker

“The Precision Series P1.0s are exceptional standmounters that deliver class-leading performance...” WHAT HI-FI? MAGAZINE UK

The entry point into the Precision Series. The P1.0 combines a single Tactic II drive unit with the Leonardo Tweeter, within the contemporary Precision Series enclosure in a standmount monitor form.

The P1.0 then is the ultimate combination of performance and value - a loudspeaker that should be first on the shortlist for those wanting to access trickle-down technology from Wilson Benesch's award-winning Geometry Series in a high-value design.

DRIVE TECHNOLOGY

- 1 x 25mm (1") Wilson Benesch LEONARDO Tweeter
- 1 x 170mm (7") Wilson Benesch TACTIC II Drive Unit

CROSSOVER TOPOLOGY

- Tweeter 2nd-Order Crossover
- Mid-Bass Directly Amplifier Coupled

ENCLOSURE TECHNOLOGY

- Hybrid Composite Construction
- U-Section High Torsion 13mm Steel Damping Rods in Vertical Axis
- Tubular Cross Bracing and Damping in the Horizontal Axis
- Ported Enclosure
- Alloy Baffle, Top + Base Caps, Foot with Machined Logo

MEASUREMENTS

- 2-way
- Nominal Impedance: 6 Ohms Nominal / 4 Ohms Minimal
- Sensitivity: 89dB @ 1-Meter on axis, 2.83V Input
- Frequency Response: 38Hz - 24KHz +/- 2dB- on axis

DIMENSIONS

- Height: 322mm (12.6") Cabinet // 1025mm (40.4") inc. stand
- Width: 348mm (13.7")
- Depth: 368mm (14.48")
- Weight per channel: 30kg (66 lbs) stand integrated





P2.0

Floorstanding Loudspeaker

"If you're trying to find a loudspeaker with a higher sound quality than Wilson Benesch's P2.0 anywhere near its asking price, don't bother. Why?..."

Stated succinctly, because none exist" NOVO HIGH-END MAGAZINE

The P2.0 delivers scale and authority with absolute control. Combining a dedicated Tactic II midrange drive unit, with a dedicated Tactic II bass drive unit with the Leonardo Tweeter at the acoustic centre.

The P2.0 offers another level of performance within the Precision Series, upping the ante from the P1.0 - driving the room and the listener to a higher level, whilst still offering exceptional value.

DRIVE TECHNOLOGY

- 1 x 25mm (1") Wilson Benesch LEONARDO Tweeter
- 1 x 170mm (7") Wilson Benesch TACTIC II Midrange Drive Unit
- 1 x 170mm (7") Wilson Benesch TACTIC II Bass Drive Unit

CROSSOVER TOPOLOGY

- Tweeter 2nd-Order Crossover
- Midrange Directly Amplifier Coupled
- Bass 1st-Order Crossover with Laminated High Density Iron Cored Inductors with High Coil Packing Ratio

ENCLOSURE TECHNOLOGY

- Hybrid Composite Construction
- U-Section High Torsion 13mm Steel Damping Rods in Vertical Axis
- Tubular Cross Bracing and Damping in the Horizontal Axis
- Ported Enclosure
- Alloy Baffle, Top + Base Caps, Foot with Machined Logo Front & Rear

MEASUREMENTS

- 2.5-way
- Nominal Impedance: 6 Ohms Nominal / 4 Ohms Minimal
- Sensitivity: 89dB @ 1-Meter on axis, 2.83V Input
- Frequency Response: 34Hz - 24KHz +/- 2dB- on axis

DIMENSIONS

- Height: 1105mm (43.5")
- Width: 269mm (10.6")
- Depth: 472mm (18.6")
- Weight per channel: 50kg (110 lbs)





P3.0

Floorstanding Loudspeaker

“With the P3.0s, when one closes the eyes, the physical barriers disappear. There is no longer the sense that the sound is projected from two speakers,” VUMETRE MAGAZINE

Sitting at the top of the table, the P3.0 is the Precision Series flagship. The P3.0 combines a dedicated Tactic II midrange drive unit with two Tactic II Bass drive units. By combining an upper bass drive unit with a low bass drive unit, the P3.0 boasts serious low frequency power and drive, but always with absolute control. With a dedicated midrange Tactic II drive unit and the Leonardo Tweeter, the P3.0 is able to articulate exquisite detail and recreate delicate emotional source material, making for an extremely involved and exciting listening experience.

DRIVE TECHNOLOGY

- 1 x 25mm (1") Wilson Benesch LEONARDO Tweeter
- 1 x 170mm (7") Wilson Benesch TACTIC II High Bass Drive Unit
- 1 x 170mm (7") Wilson Benesch TACTIC II Midrange Drive Unit
- 1 x 170mm (7") Wilson Benesch TACTIC II Low Bass Drive Unit

CROSSOVER TOPOLOGY

- Tweeter 2nd-Order Crossover
- Midrange Directly Amplifier Coupled
- Upper Bass 1st-Order Crossover Air Cored Inductor
- Lower Bass 1st-Order Crossover with Laminated High Density Iron Cored Inductors with High Coil Packing Ratio

ENCLOSURE TECHNOLOGY

- Hybrid Composite Construction
- U-Section High Torsion 13mm Steel Damping Rods in Vertical Axis
- Tubular Cross Bracing and Damping in the Horizontal Axis
- Ported Enclosure
- Alloy Baffle, Top + Base Caps, Foot with Machined Logo Front & Rear

MEASUREMENTS

- 2.5-way
- Nominal Impedance: 6 Ohms Nominal / 4 Ohms Minimal
- Sensitivity: 89dB @ 1-Meter on axis, 2.83V Input
- Frequency Response: 31Hz - 24KHz +/- 2dB- on axis

DIMENSIONS

- Height: 1255mm (49.4")
- Width: 269mm (10.6")
- Depth: 472mm (18.6")
- Weight per channel: 59kg (130 lbs)





Precision Series. Built For You.

Wilson Benesch offer a range of finishes across the Precision Series. All aluminium components are available in a luxurious powder coated Precision Black or Precision White finish. But we invite you to then choose from a range of finishes to make something truly bespoke to suit your living space.

ARCHITECTURAL SINGLE COLOURS

PRECISION BLACK



PRECISION WHITE



VERDE



ARCHITECTURAL STONE LOOK

SLATE

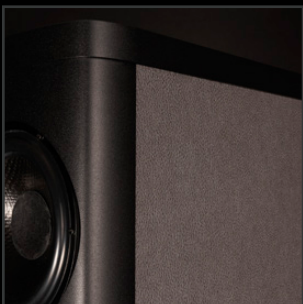


BRONZE



ARCHITECTURAL LEATHER LOOK

GRIGIO



NERO



ARCHITECTURAL WOOD LOOK

BURR WALNUT



AGED WALNUT



AGED OAK



SILVER BIRCH





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