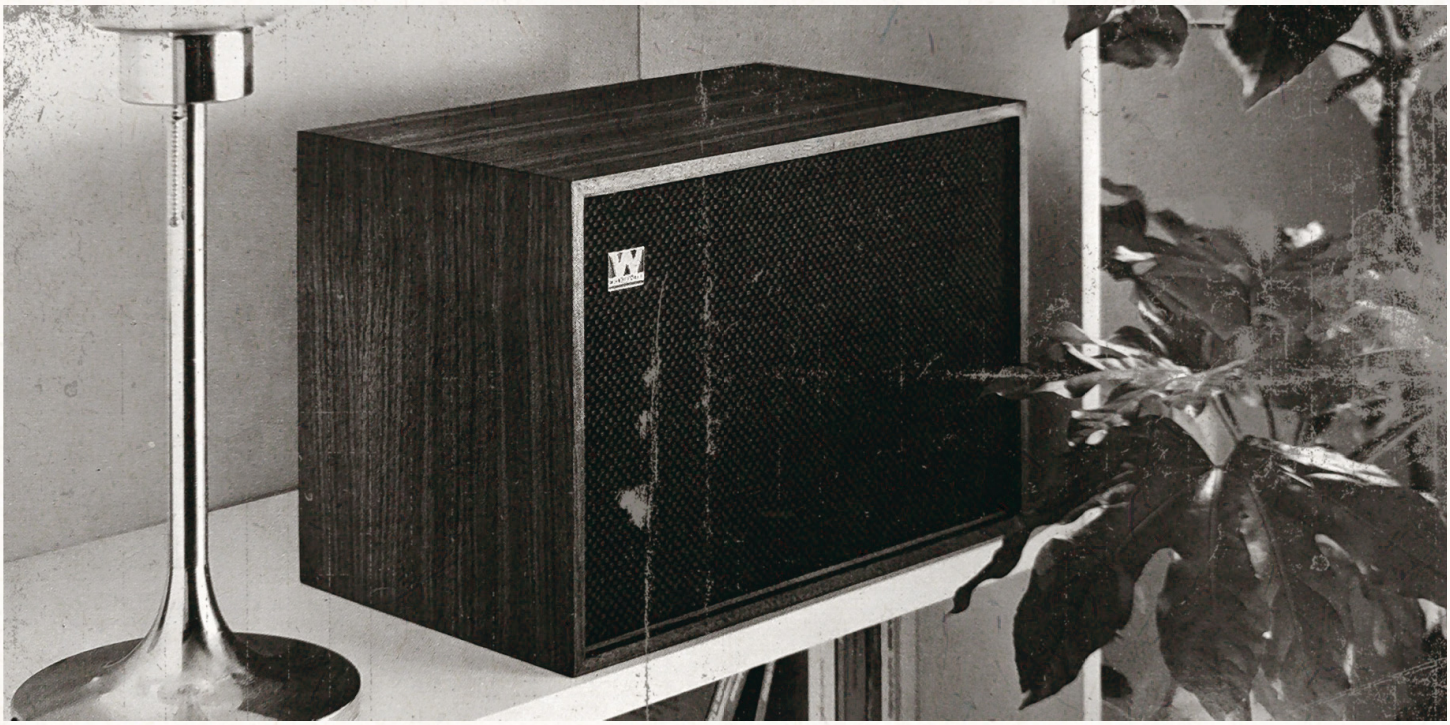
SUPER DENTON

DESIGN NOTES

Wharfedale's new SUPER DENTON is part of Wharfedale's Heritage series, based on classic designs from Wharfedale's past but brought right up to date with modern drive unit, cabinet and crossover technology.

When the DENTON 3 was introduced, in 1971, its brochure claimed that it "succeeds in combining 3 speakers … in a very small cabinet. The resulting sound will surprise anyone who believes that high fidelity is only obtainable with larger cabinets".



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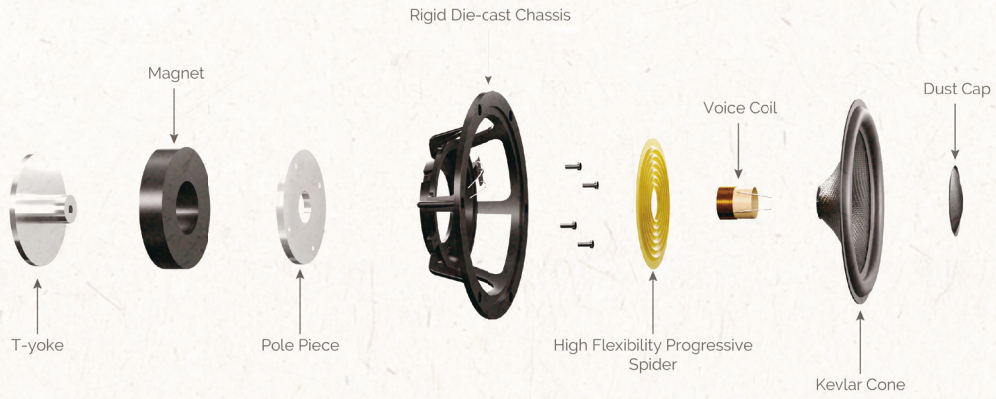
Today, Wharfedale's engineers have replicated that concept with exactly the same aim in mind. We call it 'SUPER DENTON'.

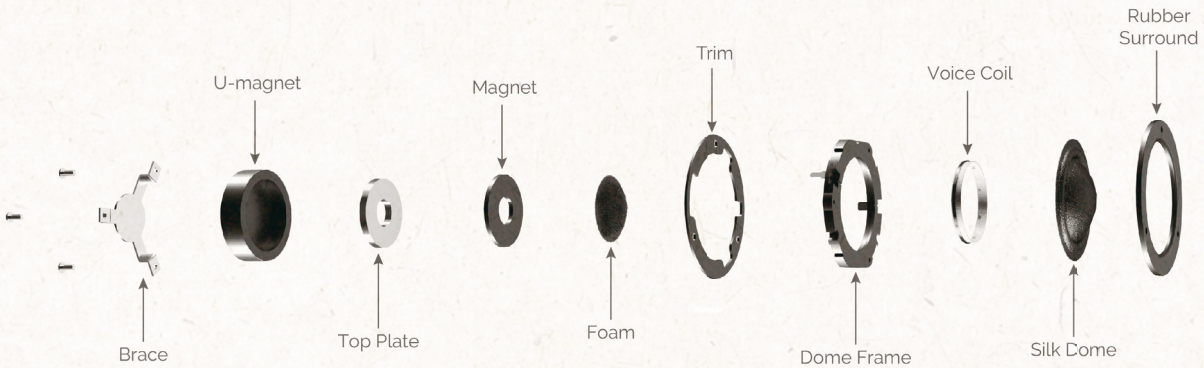
SUPER DENTON is formulated from three advanced drive units – a 6.5 inch (165mm) woven Kevlar cone bass unit, a 2 inch (50mm) dome midrange unit and a 1 inch (25mm) soft-dome treble unit.

The bass unit and cabinet are tuned to achieve a remarkable bass extension down to 40Hz, below the fundamental E1 tuning of a standard bass guitar, with the woven Kevlar diaphragm providing realistic performance from instruments and vocals in the lower midrange.



Bass Unit

Upper midrange and lower treble output comes from a midrange unit based on the technology of the award-winning EVO 4 loudspeakers. Here the 2 inch fabric dome driver provides the ideal transition from the fundamental tones carried by the bass unit to the harmonic overtones higher in frequency. The wide dispersion of this dome diaphragm is responsible for the clarity and finesse that brings the musical performance alive into your living room.



Midrange Unit

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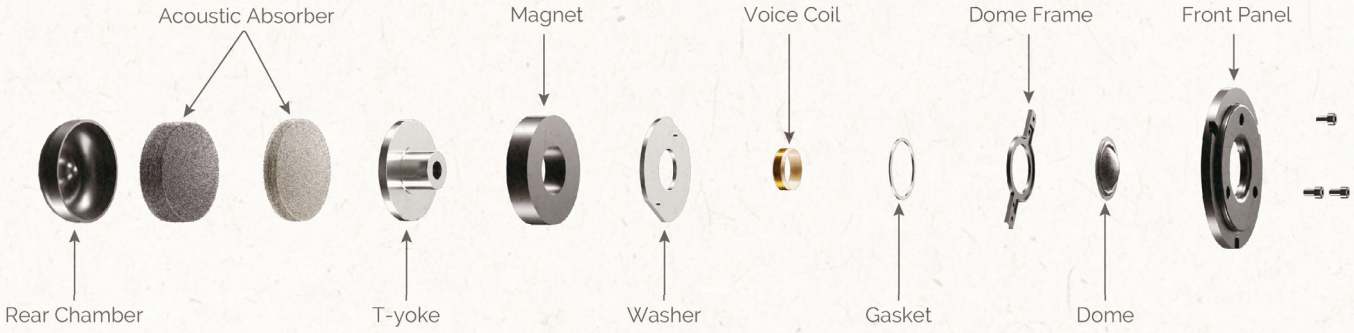
Perfectly matched to this advanced midrange dome unit is the new 1 inch soft dome treble unit, inheriting the ceramic magnet motor system and rear chamber used in the Dovedale Heritage, to better match the detailed performance of its companion drivers.



Treble Unit

Naturally, the advanced performance of these three drive units requires an equally highly researched crossover. Developed over hundreds of hours of listening tests, the SUPER DENTON crossover matches the acoustic performance of the drive units to achieve a seamless transition between them. Utilising air core coils and high-specification polypropylene capacitors for midrange and treble circuits, the crossover enhances the clear and realistic detailing that emerges effortlessly from this advanced bookshelf loudspeaker.

Even the grille incorporates internal shaping to maximize the power performance of the drive units and avoid interference from reflections from the edges of the cabinet. The result is a musical output that suits all genres of music and sources, whether analogue or digital. You can rest assured that SUPER DENTON will delight you and satisfy you with musical entertainment for years to come.

In 1979, Peter Comeau co-founded Heybrook Hi-Fi to design and manufacture the multi-award-winning HB1 and classic HB2 loudspeakers, In 2009, after leading IAG speaker development since the acquisition of Mission, Peter assumed overall acoustic design responsibility for all of the brands within the Group, including Wharfedale. With a deep respect for the history of these brands and the necessity to maintain each individual brand's design integrity, Peter continues to design award-winning speakers at IAG's research centres in Huntingdon, England, and Shenzhen, China.

PETER COMEAU
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