

German loudspeaker tradition

With more than 45 years of sound experience, Canton stands for innovative loudspeaker construction.

We offer the right sound solutions for any taste and any standard at the best possible price.

With our products we strive to give many people the opportunity to listen to music in outstanding quality.

Member of:  HIGH END SOCIETY

Changes, in particular of a technical nature, and errors excepted.

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REFERENCE

K
SERIE

TIMELESS.



2019

The Reference K Family marks the start of a new age of sound. These loudspeakers characterised by ceramic-tungsten membranes, innovative bass-guide technology and cabinet dimensions that are designed to suit contemporary living spaces. Their performance in all tones and at all volumes is calm and confident in equal measure.



Reference 5 K

Reference 3 K

Reference 2 K

Reference 1 K

Reference 7 K

Reference 8 K

Reference 9 K

Reference 50 K Center

Perfection begins and ends with detail

Nothing can replace volume. That is why the cabinets of the new Reference K loudspeakers are larger than before. Not in terms of height, but in terms of depth. The end result is an elegant appearance with dimensions that fit well into any living space despite the much greater internal volume.



Solid cabinet design

Characteristic bow shape: The acoustically optimised cabinet with its organic curved baffle offers significantly improved dispersion characteristics. The multi-layer laminate used in the Reference 1 K sets new standards in terms of stability.

Innovative Bass-Guide®

The floorstanding loudspeakers of the Reference K Family operate with the new Bass-Guide® bass reflex system. Vibrations are directed away from the cabinet and flow noise is reduced. The usable inner volume of the loudspeaker is maximised while the external dimensions remain the same and there is greater flexibility in the set-up location. The distance from walls or corners no longer has much impact.

NEW:
The living room-friendly Reference 8 K.



Reference 8 K

As the smallest loudspeaker of the Reference K series, the Reference 8 K is a living room-friendly high-end floorstanding loudspeaker. Alongside the new double cone membranes in the woofer system, a 160 mm ceramic-tungsten chassis features for the first time in the mid-range and bass areas. The screwless, diamond-cut aluminium rings give this small floorstanding loudspeaker a modern and clean look.



High-grade fabric covers

Acoustically optimised, two-part fabric covers with magnetic fastenings complete the exclusive look.

NEW IN THE SERIES:
The powerful Reference 2 K.

Internal reinforcement

The enormous power generated inside a loudspeaker has to be controlled using a special, computer-optimised reinforcement. An additional, precision damping made of special fleece suppresses any vibration inside the cabinet itself.



Reference 2 K

Between the Reference 1 K and Reference 3 K there now comes the new, powerful Reference 2 K, whose deep structure, large interior volume and double cone membrane in the woofer system deliver the warm sound of the Reference K series. With its slim cabinet and screwless, diamond-cut aluminium rings, the Reference 2 K also fits visually into the modern living room of Hi-Fi fans.



Every period has its materials

No other material satisfies our demands for a perfect membrane like an aluminium cone with a ceramic-tungsten structure. For the first time in the Reference K Series we also use this material in the woofers and mid-range speakers. The perfection that this brings in terms of music reproduction is fascinating.

A spider with a precisely defined suspension rate forms the link between the coil carrier and the basket.

The dust cap covers the drive system and dissipates all the heat generated by the coil.

An optimised cone membrane with three different radii is used in the mid-range speakers of the K Series.

The front support of the drive system with its wave surround design allows a maximum frequency of up to 6 cm and controls the swing-in and swing-out behavior of the membrane and allows maximum excursion.

The high quality front ring made of die-cast aluminium increases the mechanical stability of the drive system, which is a particular advantage at high volumes.

Glass fibre-reinforced polycarbonate baskets combine the benefits of a lightweight material with maximum stability.

The optimised performance and design of the magnetic drive with vented pole piece enables it to hold the coil in a symmetrical field of induction.



Patented Canton Wave Surround

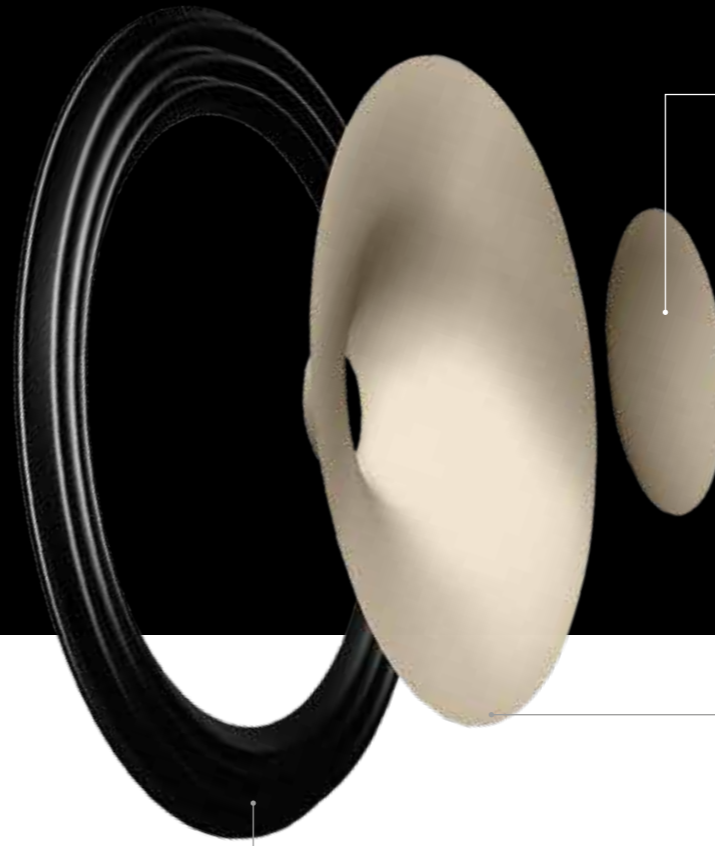
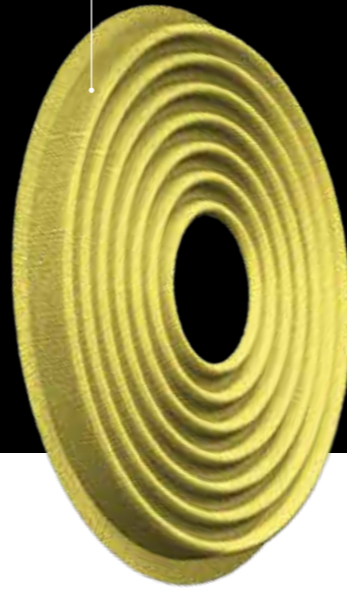
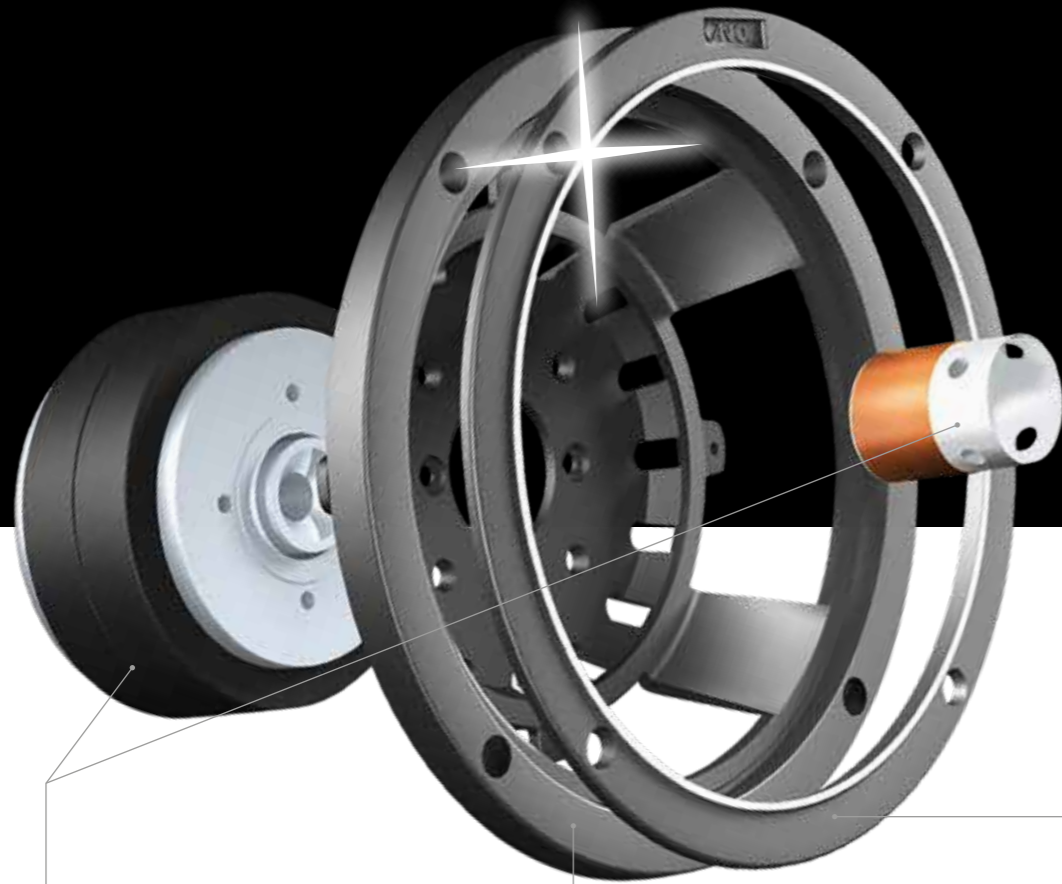
Woofers and mid-range systems are fitted with the wave surround technology. Three precisely defined wave folds provide symmetrical power, leading to perfectly balanced swing-in and swing-out behaviour.

Manufacturing quality

We develop and manufacture the loud-speaker systems of our Reference K Series in our own workshops. This is the only way we can satisfy the quality standards required, eliminate fault tolerances and achieve high sound perfection.

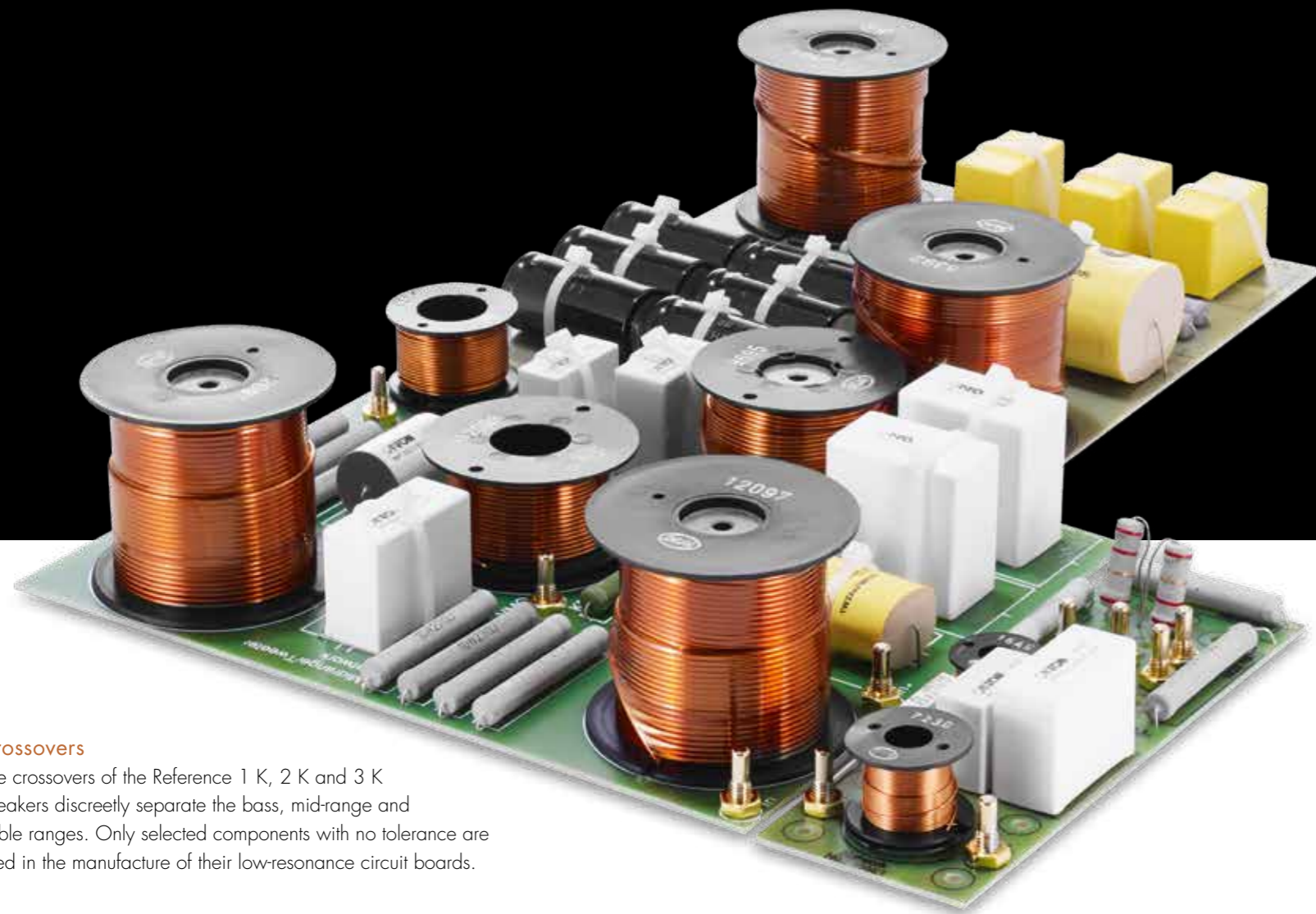
Ceramic-tungsten technology

For the membranes of the K Series, up to 20 % of the molecular structure of the aluminium cone is transformed into a ceramic structure and refined with tungsten particles. The result: An optimum ratio of rigidity to weight.



Top performance needs optimal foundations

As the control centre of the loudspeakers, the newly developed crossovers make a vital contribution to stress-free music enjoyment at all volumes. They ensure brilliant trebles, impressive basses and optimum precision across the entire bass range.

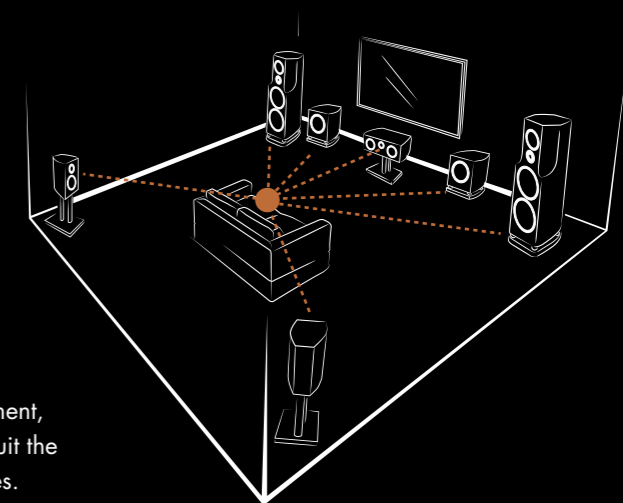


Crossovers

The crossovers of the Reference 1 K, 2 K and 3 K speakers discreetly separate the bass, mid-range and treble ranges. Only selected components with no tolerance are used in the manufacture of their low-resonance circuit boards.

Home cinema set-up

The Reference K Series are perfectly suited for creating home cinema systems. The center acts as the core element and combines with the other speakers to ensure an impressive sound experience.



Level adjustment

Thanks to the integrated mid-range-tweeter adjustment, the 1 K, 2 K and 3 K models can be adjusted to suit the acoustics of the room and individual listening tastes.



Exclusive cabling

The cables are specially developed for the Reference K loudspeakers. The design, with its special core and six twisted individual conductors per phase, ensures optimum sound transmission.



Hand-crafted

The loudspeakers of the Reference K Family are premium quality, handcrafted unique items. Before they are given a name plate complete with individual serial number, they have to pass a detailed test process with 100%.



Connection terminal

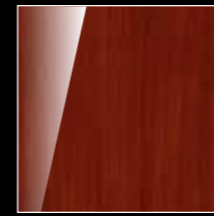
The high quality connection area with four gold-plated screwclamp terminals is suitable for cable diameters up to 10 mm² and special cable shoes.



Subwoofer

The powerful, 750-watt digital amplifier of the audiophile subwoofer is fitted with a high-level and low-level input. The woofer system produces impressive bass notes up to 18 Hertz.

Technical data



Cherry veneer
"piano finish"



White lacquer
"piano finish"



Black lacquer
"piano finish"

Perfect surfaces

The elegant, high gloss, "piano finish" surface is applied and polished in a 12-stage process. It gives the cabinets of the Reference K Series a sensation of extraordinary depth. Acoustically optimised, two-part fabric covers with magnetic fastenings complete the exclusive look.



	Reference 1 K	Reference 2 K	Reference 3 K	Reference 5 K	Reference 7 K
Designed as	High-End floorstanding speaker	High-End floorstanding speaker	High-End floorstanding speaker	High-End floorstanding speaker	High-End floorstanding speaker
Engineering principle	3-way bass reflex system	3-way bass reflex system	3-way bass reflex system	3-way bass reflex system	3-way bass reflex system
Power handling (Nom/music)	500/900 watts	430/750 watts	350/600 watts	280/440 watts	170/340 watts
Efficiency	89.5 dB	89.5 dB	89 dB	88.5 dB	88.5 dB
Frequency response	18...40,000 Hz	18...40,000 Hz	18...40,000 Hz	20...40,000 Hz	22...40,000 Hz
Crossover frequency	180/3,000 Hz	180/3,000 Hz	200/3,000 Hz	220/3,000 Hz	220/3,000 Hz
Impedance	4...8 Ohm	4...8 Ohm	4...8 Ohm	4...8 Ohm	4...8 Ohm
Dimensions W x H x D	48 x 127 x 69 cm 18.9" x 50" x 27.2"	34,5 x 128 x 62 cm 13.6" x 50.4" x 24.4"	33,5 x 115 x 49 cm 13.2" x 45.3" x 19.3"	30,5 x 107,5 x 44,5 cm 12" x 42.3" x 17.5"	29 x 100 x 42 cm 11.4" x 39.4" x 16.5"
Weight	134 kg	71 kg	56 kg	37 kg	33 kg
Special features	Base design with Bass-Guide®, Connection terminal with level adjustment	Base design with Bass-Guide®, Connection terminal with level adjustment, Screwless, diamond-cut aluminium rings	Base design with Bass-Guide®, Connection terminal with level adjustment	Base design with Bass-Guide®, Connection terminal with level adjustment	Base design with Bass-Guide®, Connection terminal with level adjustment
Cabinet design					

	Reference 8 K	Reference 9 K	Reference 50 K Center	Reference SUB 50 K
Designed as	High-End floorstanding speaker	High-End-compact speaker	High-End-center speaker	High-End active subwoofer
Engineering principle	3-way bass reflex system	2-way bass reflex system	3-way bass reflex system	Engineering principle Bass reflex system (Passive driver)
Power handling (Nom/music)	150/300 watts	120/200 watts	120/220 watts	Power handling (Nom/music) 500/750 watts
Efficiency	88.5 dB	87 dB	87 dB	
Frequency response	24...40,000 Hz	25...40,000 Hz	26...40,000 Hz	Frequency response 18...40,000 Hz
Crossover frequency	220/3,000 Hz	3,000 Hz	3,000 Hz	Crossover frequency 55...200 Hz (adjustable)
Impedance	4...8 Ohm	4...8 Ohm	4...8 Ohm	
Dimensions W x H x D	27 x 98,5 x 39 cm 10.6" x 38.8" x 15.4"	25 x 40 x 38 cm 9.8" x 15.7" x 15"	70 x 20 x 35 cm 27.6" x 7.9" x 13.8"	Dimensions 42 x 54 x 50 cm W x H x D 16.5" x 21.3" x 19.7"
Weight	27 kg	14 kg	16.5 kg	Weight 33 kg
Special features	Base design with Bass-Guide®, Screwless, diamond-cut aluminium rings	LS 850.3	LS 850.3	Special features Base design with Bass-Guide®, Wireless remote control
Cabinet design				Cabinet design