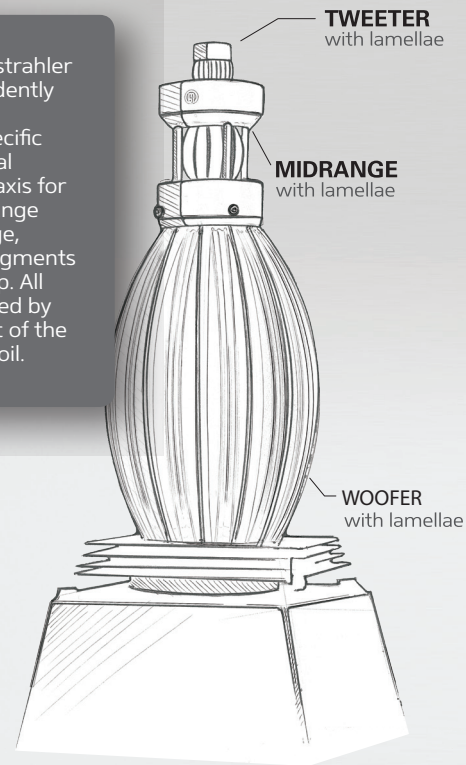


SECRETS OF THE MBL-RADIALSTRAHLER

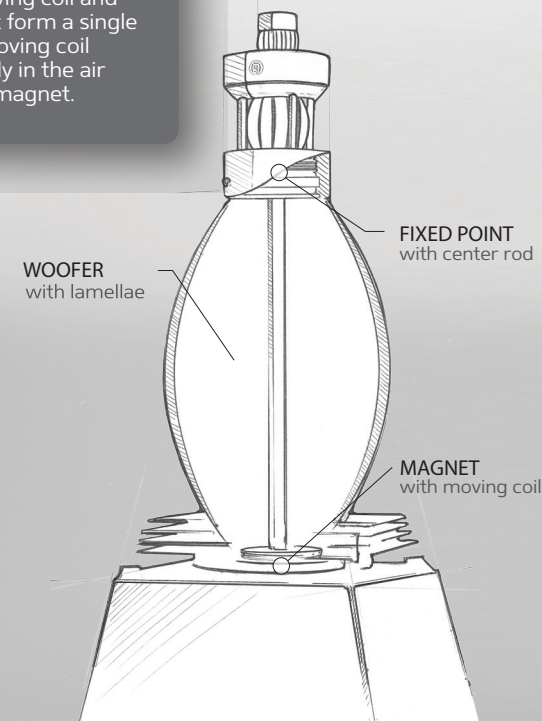
The MBL Radialstrahler Loudspeakers are synonymous with high-fidelity, true-to-life sound. Like instruments in an orchestra, club, or concert, MBL speakers radiate sound 360°. No matter where you are in your living room, you have an amazingly natural and realistic aural and emotional experience, just as if the sound were live. What exactly is the technology, what ingenious principle is really behind all this sonic magic? We would like to let you in on some secrets and take you on a journey to explore the world of omni-directional sound... the world of the MBL Radialstrahler...



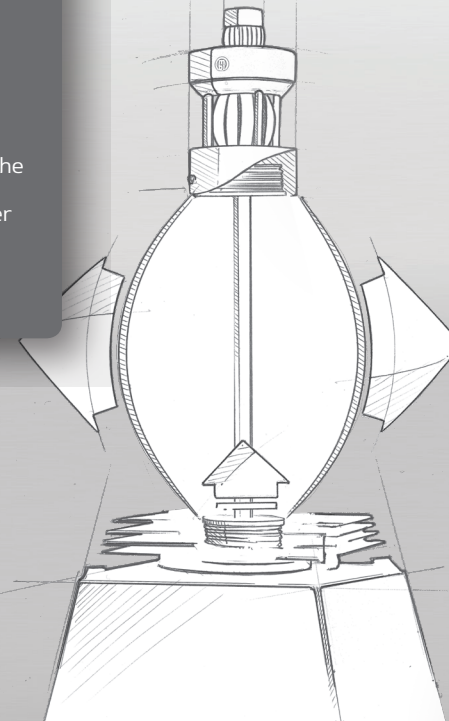
1 The MBL Radialstrahler principle independently arranges lamellae segments of a specific shape and material around a vertical axis for each frequency range (Tweeter, Midrange, Woofer). These segments are fixed at the top. All motion is generated by the upward thrust of the magnet/moving coil.



2 The moving coil and the magnet form a single unit. The moving coil moves freely in the air gap of the magnet.

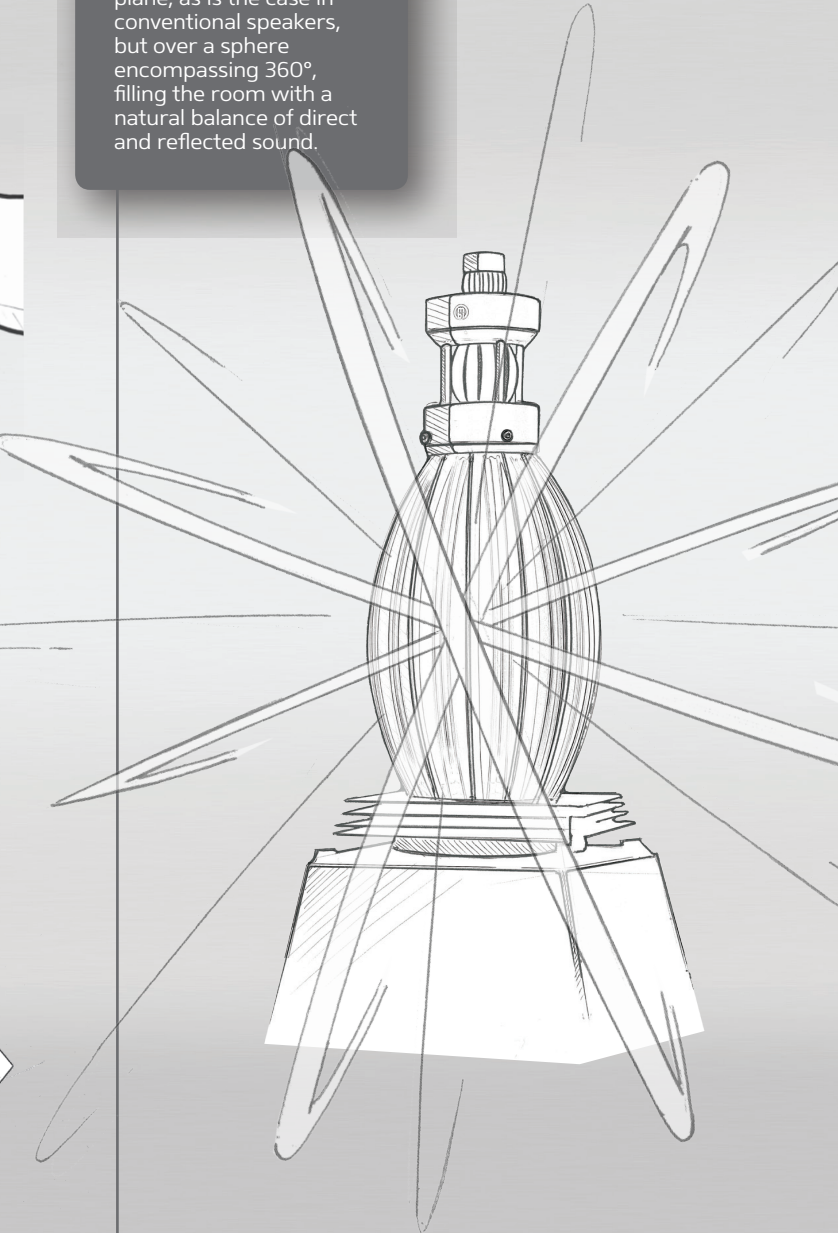


3 The musical signal, still electrical at this stage, is sent from an amplifier to the speaker. Electricity passes through the moving coil, and the resulting magnetic field allows the coil to move up and down in the air gap of the magnet.



4 The vertical movements of the coil force the lamellae segments to bend, creating sound waves. Just like a balloon that is held at the top and forced vertically from the bottom, then released again, the Radialstrahler drivers pulsate and launch waveforms. We hear them as music.

5 The sound is not radiated on one plane, as is the case in conventional speakers, but over a sphere encompassing 360°, filling the room with a natural balance of direct and reflected sound.



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