

## Redefining the Shape of Sound: Resonado Introduces Flat Core Speaker Technology at CES 2020

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Resonado, a South Bend, Indiana company founded at the University of Notre Dame, has a new take on electrodynamic speaker topology. The company developed a proprietary reconfigured speaker with a planar voice coil mounted perpendicularly to a flat “racetrack” diaphragm that was named Flat Core Speaker (FCS) technology. The innovative architecture enables thinner, lighter, and more efficient speakers than conventional equivalents. Applications are wide-ranging from soundbars, home theater, column speakers, automotive to headphone drivers.



RESONADO

Resonado's first commercial driver, the Neo Mid 5.

When oriented vertically, FCS drivers yield wide line horizontal coverage with reduced ceiling and wall reflections. For soundbars, the form factor enables a shallower and lower profile resulting in a more elegant design. With an aspect ratio typically of 4 to 1, more piston area results at lower cost than conventional round drivers of the same height.

While FCS drivers have a somewhat different internal structure from conventional drivers' workings, the material supply chain remains essentially unchanged. For that reason, Resonado has been able to source all of the components such as spiders, voice coils, frames, and diaphragms, albeit with new tooling, from all the same vendors used for conventional speakers.

Resonado is now entering mass production of its first commercial FCS drivers and has reached OEM agreements with multiple offshore factories for speakers and a headphone driver factory. Initial models include RV speakers, soundbar drivers, line array in-walls and headphone drivers.

Resonado plans to debut its first commercial driver, the Neo Mid 5, at CES 2020. The company will be showcasing their technology and several concept products at Booth #51780 at Eureka Park and at Suite 10306 in the Venetian Towers.

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*Editors note: Resonado recently joined the industry elite at ALTI. We are pleased to have them onboard!*