

RESONADO LABS

230 East Ohio Street
Suite 210
Chicago, IL 60611

VP of Acoustic Transducer Engineering at Resonado Labs

Company Overview |

Resonado Labs is an American multinational technology company that designs and licenses proprietary speaker driver technologies to brands and manufacturers. The company's core pursuit is to develop speaker driver architecture that achieves optimal form and function, without compromise. Resonado's flagship product, Flat Core Speaker™ (FCS™) technology, is the first manifestation of that pursuit. FCS technology is a novel type of electrodynamic speaker driver engineered with a low depth structural profile and high diaphragm aspect ratio as an alternative to the conventional conical driver type to meet the rising demand for innovative, space-efficient product designs without experiencing tradeoffs in sound performance. Developed to be completely scalable, FCS technology is an audio component solution that can be implemented in products ranging from consumer electronics, to vehicles, to architectural spaces. Learn more at resonado.com.

Job Description |

Resonado Labs' Chicago headquarters is looking for a motivated and creative candidate with a passion for loudspeaker development to lead the company's U.S. acoustic transducer engineering team. Candidates should be ready to take on new challenges by assuming a highly visible role in a small, yet ambitious organization and expect extensive collaboration across departments. Our company maintains a horizontal organizational culture with a strong emphasis on meritocracy. With transparent communication and open channels welcoming new ideas, Resonado Labs is an ideal environment for an experienced engineer looking to become an early member of a rapidly expanding company poised to bring a new wave of innovation to the audio industry.

Responsibilities |

- Leading a growing team of acoustic transducer and simulation engineers
- Driving internal research and development and advancement of current and new loudspeakers through directing and participating in computer simulation, physical iteration/experimentation, and testing
- Determining transducer design requirements and specifications
- Working with Resonado Labs' licensed manufacturers to optimize and develop transducers for various applications and scale production for mass-market integration.
- Responsible for providing oversight on transducer assembly, production practices, and visiting manufacturing facilities to ensure high quality and consistent results
- Working with sub-component vendors to evaluate and advance each transducer component
- Working with engineering teams at partner companies to integrate Resonado technologies into their products
- Becoming a leading expert on Resonado's proprietary FCS technology and contributing to the expansion of the company's intellectual property portfolio with the development team

Contact

833.633.8737
hello@resonado.com



RESONADO LABS

230 East Ohio Street
Suite 210
Chicago, IL 60611

Qualifications I

Required

- Passion for acoustics and improving how people experience sound
- 10+ years in electrodynamic loudspeaker design, development, and manufacturing
- Thorough understanding of loudspeaker design methods, transducer optimization, sub-components, materials, assembly techniques, manufacturing, and standard methods for evaluating acoustic transducers and systems
- Mastery of 3D CAD software for transducer design
- Proficiency in standard methods for evaluating acoustic transducers and systems
- Practical expertise in audio analyzers including Klippel R&D/QC, Audio Precision APx, Listen, and SoundCheck
- Working knowledge of FEM and BEM simulation methods for magnetic circuits, acoustics, and mechanics (i.e., COMSOL)
- Hands-on experience working with high-volume transducer suppliers and sub-component vendors in Asia
- Strong communication and presentation skills including project planning, documentation of technical requirements, and technical presentations
- Must be qualified to work in the U.S. and have no restrictions for international travel
- Ability to commute to Resonado's Chicago office in Streeterville on a daily basis

Preferred

- Experienced in developing and manufacturing new loudspeaker innovations
- Experienced in conceiving, writing, and publishing patents
- Experience with loudspeakers of all size, from micro-speakers to subwoofers
- Experience leading an expanding team
- Fluency in Mandarin and/or Korean is a strong plus
- Members of our engineering team have advanced degrees in Acoustics or a similar field (mechanical or electrical engineering, physics, etc.), but if you have taken a different route to gain experience in acoustic transducers, that is acceptable

The applicant must be a flexible, results-oriented problem-solver who is passionate about introducing large-scale innovation into the loudspeaker industry.

Resonado Labs evaluates qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, genetic information, national origin, age, disability, veteran status, or any other legally protected characteristics.

All inquiries should be directed to hello@resonado.com.

Contact

833.633.8737
hello@resonado.com

