We are a customer focused provider of audio solutions. We exceed users' expectations with well thought out design, integration, and service. Our purpose-built products meet our customers where they are at, enhancing their moment with a powerful experience through music.

Job Title: Acoustic Design Engineer **Job Location:** Tempe, AZ (100% Onsite)

Rockford Fosgate is looking for an experienced and passionate Acoustic Design Engineer. You will be responsible for working closely with Product Development and other engineering teams to design, develop and validate class-leading loudspeaker products.

Key Responsibilities

- Detailed design of transducers for aftermarket and OEM automotive markets.
- Design and run detailed loudspeaker and acoustic system simulations using state of the art acoustic software.
- Design and set up acoustic reliability tests (thermal, mechanical, acoustic, etc.).
- Dissect loudspeakers, enclosures, and other relevant system components to identify failure modes and suggest improvements.
- Review acoustic test reports and provide technical expertise to improve speaker performance and reliability.
- Design and participate in internal and competitive product listening evaluations.
- Interface with domestic and international suppliers to communicate design details and troubleshoot issues to execute loudspeaker product builds.
- Design and build crossovers to optimize speaker performance.
- Provide acoustic technical expertise to mechanical, amplifier, embedded, and internal vehicle install teams to execute cross-departmental projects.
- Communicate with customers and OEM partners to assess customer needs and identify loudspeaker design goals.
- Create detailed technical design input presentations to communicate acoustic design decisions and directions with suppliers, customers, and various internal groups (New Product Development, Marketing, Sales, etc.).

Required Skills / Qualifications

- BSEE, BSME, or BS in Acoustics, Physics, or other relevant fields.
- Exceptional knowledge in acoustic fundamentals.
- Experience in the design and engineering of transducers and loudspeaker systems.
- Knowledge of speaker materials and manufacturing processes.
- Knowledge of audio system architecture and system tuning.
- Experience with various acoustic test equipment such as Klippel, Audio Precision, etc.
- Proficient in the use of simulation tools such as Klippel SIM2, Loudsoft Suite (Fine Cone, Fine Motor, Fine Xover, Fine Suspension, Fine Box), Finite Element Magnetic Modeling (FEMM), etc.
- Strong team player with positive attitude and willingness to learn and collaborate in group settings.
- Excellent written and verbal technical and interpersonal communication skills.
- Self-starter with strong organizational skills and attention to detail.
- Ability to effectively execute multiple projects concurrently in a fast-paced deadline driven environment.

DESIRED SKILLS (OPTIONAL):

- 1-3 years of experience in an acoustic design role.

- Strong understanding of physics fundamentals.
- Electrical design skills and familiarity with schematic capture tools such as Altium.
- Basic understanding of amplifier design and Digital Signal Processing (DSP).
- Familiarity with 3D modeling tools such as Solidworks.
- Familiarity with software scripting /automation using Python, LabVIEW, Excel macros, etc.
- Experience with speaker enclosure design and fabrication.
- Passion for and knowledge of automotive audio market.
- High volume consumer Electronics experience or Automotive OEM experience.
- Active license to operate a motorcycle is a plus.

About Rockford & Benefits

Rockford Fosgate is an equal opportunity employer located in Tempe, Arizona. Join us and thrive in a dynamic office environment where your contributions truly make a difference. Enjoy the benefits of flexibility, competitive pay, affordable healthcare, a 401k match, and a pathway for growth.

Interested and qualified applicants are encouraged to send their resume and cover letter to jobs@rockfordcorp.com Visit www.rockfordfosgate.com to learn more about us.