

# Senior Failure Analysis Engineer - Electronic Component Analysis

## Your tasks

### HOW YOU WILL MAKE AN IMPACT

We are looking for an FA engineer with extensive experience in the analysis of electronic components and the required advanced tools and methods. The role involves identifying most complex root cause defects in electronic and electro-mechanical products as well as assessing the quality of electronic components. The ideal candidate will also have experience in component manufacturing and testing, enabling them to pinpoint possible origins of the failures and propose corrective actions. Additional tasks include collaboration with design engineering, supplier quality management, manufacturing quality engineers, and suppliers to improve the quality of Continental products. The FA engineer will create detailed analysis reports, provide technical support for findings, and share experience within a global organization of analysis labs.

We are currently hiring two FA engineer positions for our QL Harmon Road analysis lab. One of these positions will include supervisory responsibilities for a small analysis team of 5-8 engineers, contingent upon the candidate's people management qualifications.

## Your profile

### WHAT YOU BRING TO THE ROLE

#### Skill Set:

- Excellent analytical and problem-solving skills with attention to detail.
- Strong written report and presentation skills
- Ability to communicate highly technical issues/results in simple terms.
- Strong collaboration skills, with the ability to work effectively in local and international teams and share knowledge.
- Proven ability to work independently with minimal supervision.
- Ability to work under pressure.

#### Experience:

- Minimum of 5 years of experience in analysis of electronic or electro-mechanical components.
- Strong proficiency in methods and tools for analysis of electronic components, including at least 3 of the following: optical imaging, cross-sectioning, component decapsulation, Scanning Electron Microscopy/EDX, Scanning Acoustic Microscopy (SAM), Focused Ion Beam (FIB), Auger Microprobe, X-ray Photoelectron Spectroscopy (XPS).
- Experience in component manufacturing and testing, preferably in



Job ID  
**REF77901V**

Field of work  
**Quality**

Location  
**Auburn Hills**

Leadership level  
**Leading People**

Job flexibility  
**Hybrid Job**

Legal Entity  
**Continental Automotive  
Systems, Inc.**

the automotive or electronics industry.

**Education:**

- Bachelor's degree in electrical engineering or equivalent required, Master's degree preferred

Legal authorization to work in the U.S. is required. Continental will not sponsor individuals for employment visas now or in the future for this job posting.

Continental will not offer relocation assistance for this opportunity.

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**ADDITIONAL WAYS TO STAND OUT**

- Master's Degree in electrical engineering or equivalent.
- Familiar with automotive product electronic design, quality, validation, and manufacturing processes.
- Aware of current industry standards and regulations related to electronic and electro-mechanic components.
- Experience with 2D/3D X-ray imaging techniques
- Experience in leading a small team (direct or indirect)

**Our offer****THE PERKS**

- Immediate Benefits
- Robust Total Rewards Package
- Paid Time Off
- Volunteer Time Off
- Tuition Assistance
- Employee Discounts, including tire discounts
- Competitive Bonus Programs
- Employee 401k Match
- Diverse & Inclusive Work Environment with 20+ Employee Resource groups.
- Hybrid Work
- Employee Assistance Program
- Future Growth Opportunities, including personal and professional
- And many more benefits that come with working for a global industry leader!

## **EEO-Statement:**

EEO / Disabled / Protected Veteran Employer. Continental offers equal employment opportunities to all qualified individuals, without regard to unlawful consideration to race, color, sex, sexual orientation, gender identity, age, religion, national origin, disability, veteran status, or any other status protected by applicable law. In addition, as a federal contractor, Continental complies with government regulations, including affirmative action responsibilities for qualified individuals with a disability and protected veterans, where they apply. To be considered, you must apply for a specific position for which Continental has a current posted job opening. Qualifying applications will be considered only for the specific opening(s) to which you apply. If you would like to be considered for additional or future job openings, we encourage you to reapply for other opportunities as they become available. Further, Continental provides reasonable accommodations to qualified individuals with a disability. If you need assistance in the application process, please reply to [Careers@conti-na.com](mailto:Careers@conti-na.com) or contact US Recruiting at 248.393.5566. This telephone line and email address are reserved solely for job seekers with disabilities requesting accessibility assistance or an accommodation in the job application process. Please do not call about the status of your job application, if you do not require accessibility assistance or an accommodation. Messages left for other purposes, such as following up on an application or non-disability related technical issues, will not receive a call back.

Ready to drive with Continental? Take the first step and fill in the online application.

## **About us**

### **THE COMPANY**

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent, and affordable solutions for vehicles, machines, traffic, and transportation. In 2023, Continental generated sales of €41.4 billion and currently employs around 200,000 people in 56 countries and markets.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion, and motion control systems. Innovative solutions for assisted and automated driving, display, and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services. Are you ready to shape the future with us?