

Qualification Laboratory Engineer

Descrição da função

We are seeking a highly experienced FA engineer with demonstrated proficiency in analytical thinking and practical skills in performing physical analyses. The role involves identifying root cause defects in electronic and electro-mechanical products and circuits, including the electronic components used. Besides performing analyses, the tasks include collaborating with design engineering, supplier quality management, manufacturing quality engineers, and suppliers to enhance the quality of Continental products. The FA engineer will create detailed analysis reports, provide technical support for findings, and share expertise within the global network of analysis labs.

Requisitos

Experience:

- Minimum 5 years of experience in performing physical analysis of electronic modules, circuits and components.
- Advanced knowledge of electronics, electronic and electromechanical components, and their materials.
- Comprehensive understanding of the impact of real-world effects on electronic modules and components (e.g. bias voltage, current flow, humidity, thermal effects, etc.).
- Skilled in using the following analysis techniques:
 - optical imaging
 - cross-sectioning of components and/or modules
 - 2D/3D X-ray imaging
 - Scanning Acoustic Microscopy (SAM),
 - Field-emission Scanning Electron Microscopy (FE-SEM)
- Fluent in written and spoken English (C1)

Education:

- Master's degree in electrical engineering or equivalent required - or alternately work experience which covers the theoretical background of a master's degree as required for electronics failure analysis

Additional ways to stand out:

- Familiar with automotive product electronic design, quality, validation and manufacturing process.
- Experience in the analysis of thermal incidents.
- Aware of current industry standards and regulations related to electronic circuits, modules and components.
- Experience in using functional analysis techniques for electronics such as e.g. curve tracing, probing, HiPot testing of advantage.

O que oferecemos



Identificação da vaga
REF2550H

Área funcional
Quality

Local
Guadalajara - Periférico

Nível de liderança
Leading Self

Modalidade de trabalho
Onsite Job

Contato
Marcela Martin del Campo

Pessoa jurídica
**Continental Automotive
Guadalajara México, S. de R.L. de
C.V.**

At AUMOVIO we are committed to building an inclusive and discrimination-free ecosystem in Mexico, these principles are rooted in our corporate philosophy and culture. Therefore, it is totally forbidden to request a pregnancy or HIV test as part of our selection processes.

#LI-MM1

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

Quem somos

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.