Qualification Laboratory Engineer

Tus actividades

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.

Tu perfil

Skill Set:

- Outstanding problem-solving skills, attention to detail, experience in driving analysis to root cause.
- 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 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:

Job ID
REF2550H

Área de trabajo
Calidad

Ubicación
Guadalajara - Periférico

Nivel de liderazgo
Autoliderazgo

Flexibilidad laboral
Trabajo Presencial

Nombre de contacto
Marcela Martin del Campo

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

- 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.

Lo que ofrecemos

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 and join us at the start of something extraordinary? Apply now to become a part of AUMOVIO and drive the future mobility together with us!

Acerca de nosotros

Continental's Automotive group sector is expected to be listed as independent company "AUMOVIO" in September 2025. With ~93,000 employees worldwide and annual sales of ~€20 billion, we are entering an exciting new era.

AUMOVIO stands for highly developed electronic products and modern mobility solutions. In addition to its strong market position with innovative sensor solutions, displays, and technologically leading braking and comfort systems, AUMOVIO has significant expertise in software, architecture platforms and assistance systems for the rapidly growing future market of software-defined and autonomous vehicles. Our purpose is clear: to make future mobility safe, exciting, connected, and autonomous.