



Engineer Failure Analysis

Job description

Identify problems or unfavorable deviations, recommend and execute/implement corrective/improvement actions which enhance the quality, reliability or cost effectiveness in the area of responsibility.

In your new role you will:

- Identify problems or unfavorable deviations, recommend and execute /implement corrective/improvement actions which enhance the quality, reliability or cost effectiveness in the area of responsibility.
- Perform physical analysis on components and module from production and customer returned failures and feedback the analysis findings to customers (external & internal) in the form of reports and photographs.
- Gives technical guidance in multiple Fields of Knowledge to Engineers, Assistant engineers and lab technicians pertaining to defect analysis.
- Carry out PFA specialist job scope, i.e. SEM/EDX, FIB Circuit Edit, Analytical Service, SRP, AFM/SCM, AES, TEM (level 2).
- Carry out PFA package analysis including XRAY,CSAM, Laser and Acid Decapsulation.
- Perform wafer and package sample preparation inclusive embedded cross-section, chemical delayering.
- Manage the job loading and supervise shift members.
- Business Process Owned, i.e. Construction Analysis business owner, ICO/FAR /Task Force.
- Tool Owner (any PFA tool).
- KPIs and projects.
- Participate in IFX user meeting, i.e. Contributor for Best Practice Sharing.
- Compliance to lab instruction, VA, APA and SOP..
- Adhere to Environmental, Safety and code compliance regulations.

Profile

You are best equipped for this task if you have:

- Ph.D/Master/Degree holder in Electrical/Electronics Engineering or Applied Science with major in Physics/Chemistry/Material Science
- 0-1+ year of experience in semiconductor or failure analysis field
- Good knowledge on failure analysis methodology

At a glance

Location: **Kulim (Malaysia)**
Job ID: **349630**
Start date: **as soon as possible**
Entry level: **0-1 year**
Type: **Full time**
Contract: **Permanent**

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- Good analytical minds in technical problem solving and inspiration for all possible solutions
- Good communication skills with internal and external group of personnel
- Strive for excellence and focus on the customer mindset and behavior
- Experienced in Semiconductor or PCBA manufacturing process
- The following experience/knowledge is advantageous, but not a prerequisite:
- SEM, EDX, FIB, TEM, AFM, FTIR, XPS, XRAY, CSAM, Ion Miller, delayering and decapsulation techniques.

Benefits

- **Kulim:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Holiday child care; Medical coverage; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Flexible transition into retirement

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

