



## Senior Engineer - Failure Analysis

### Job description

Do you strive to work in laboratory environment? Being challenged with problem solving tasks every day, and performing high-level responsibility tasks? We have an interesting role in the Failure Analysis team which allows you to play an active role in ensuring high-quality standards and continuous efficiency and improvement.

In your new role you will:

- **Perform analytical lab characterization** for IC package material / backend process material
- **Perform data analytics and chemical analysis** related to IC package and backend process
- **Research and Atomistic modelling** of IC package reliability failure mode / mechanism characterization
- Participated in **lab tool development** and essential **equipment improvement / maintenance**
- Participate in **method development and improvement projects**

### Profile

You are a natural problem-solver with a strong commitment to team environment dynamics, contributing with your sense of responsibility to ensure the required quality standards are met. You also have an impeccable understanding of technical processes and a will to do your best work always focusing on quality.

You are best equipped for this task if you have:

- Master's / Bachelor's Degree in Mechanical / Material / Chemical Engineering
- **More than 3 years** of working experience in **material testing / characterization** and **chemical analysis** in Semiconductor manufacturing
- 2-3 years experience in **Atomistic modelling and data analytics**
- Experienced in **data analytics and modelling software**
- **Excellent English skills** for effective and successful communication with various stakeholders
- A highly **innovative spirit** and **team player** mentality

### At a glance

Location: **Singapore**  
Job ID: **312247**  
Start date: **immediately**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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