



## Staff Engineer Unit Process Engineering

### Job description

You will be responsible for Semiconductor Back End Test Unit Process Engineering who will analyze, improve, characterize and control processes towards stability, reduce waste and process variances, support production ramp up.

In your new role you will:

- Be responsible for **Semiconductor Back End Test Unit Process Engineering**
- Analyze, improve, characterize and **control processes** towards stability, reduce waste and process variances, support **production ramp up**
- Lead investigations on **deviation management, crisis management, risk management** and **mitigation**
- Be responsible as **site ESD coordinator** to govern **ESD control program**
- Interface with business divisions to **tool up conventional Burn-in capabilities** for new products
- Support equipment qualification, defect characterization, commonality studies and yield improvement initiatives via data analysis and machine learning
- Support to reduce falsefails and contact related yieldloss at Intelligent Burn-in and Final Test processes
- Be in charge of updating **Process Flow/FMEA/SOP/OCAP/Control Plan**

### Profile

You are best equipped for this task if you have:

- Bachelor Degree in Mechanical/Mechatronics/Electronics Engineering or equivalent
- Minimum **3 years** of working experience in **semiconductor manufacturing industry**
- Expertise in **FMEA, Lean Six Sigma, 8D Methodology and Advanced Process Control / Statistical Process Control**

### At a glance

Location: **(Singapore)**  
Job ID: **352735**  
Start date: **as soon as possible**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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- Strong knowledge in **data analysis and data visualization** tools such as **Minitab, JMP, Tableau or Power BI**
- Strong problem solving, communication and leadership skills to work with cross functional teams
- Experience in **ESD control standards such as ANSI/ESD S20.20**
- Familiar with **IATF16949 standard** and change management

## 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.

*In accordance with the requirements set by the Singaporean Government, Infineon Technologies Asia Pacific Pte Ltd ("Infineon") can only allow individuals who are (a) fully vaccinated, (b) certified to be medically ineligible for a vaccine or (c) have recovered from COVID-19 within a prescribed period, onto company premises. Therefore, Infineon requires all new employees, as well as contractors and business partners, to be fully vaccinated against COVID-19. "Fully vaccinated" means individuals have completed the full regime of an approved COVID-19 Vaccine as listed under the World Health Organization (WHO) Emergency Use Listing (EUL) including the respective post-vaccination period to ensure the vaccine has become full effective. Anyone who is unable to be vaccinated due to an approved and/or recognised exemption condition may apply for special consideration.*

