



Principal Engineer, Metrology & Control

Job description

As a Principal Engineer, Metrology & Control, you will handle dimensional metrology topics and develop innovative metrology and control solutions and for existing and new package platform technologies and processes.

In your new role you will:

- Handle dimensional **metrology topics** and work closely with team members to review and execute relevant strategies to comply with overall backend assembly **metrology** roadmap.
- Work and align with different stakeholders to identify the development plan and define the implementation system.
- Develop innovative **metrology and control solutions** and for existing and new package platform technologies and processes.
- Realize **advanced metrological concept** for high-volume manufacturing in-process control.
- Apply strategies to implement dimensional **metrology automation and digitalization**.

Profile

You are best equipped for this task if you have:

- PhD/Masters/Bachelor in **Electrical / Electronic Engineering** or its equivalent with **5-10 years of relevant work experience**.
- Strong understanding on **semiconductor backend assembly metrology**.
- **Proficient in handling one or more metrology tools** such as **confocal and widefield microscopy**.
- Proficient in managing **metrological data acquisition, repository and analysis**.
- Hands-on experience in good methodical technique in technology synchronization and process harmonization.
- Highly innovative, motivated and stress resistant individual with great desire to achieve given goals.
Good communication with interpersonal skills and is good team player who is able to work well with both internal and external partners.
- Knowledge in **semiconductor backend assembly unit processes** is a plus.
- Experience in **factory automation, digitalization application** and implementation and project management would be advantageous.

At a glance

Location:

Job ID: **346566**

Start date: **Jun 01, 2022**

Entry level: **5+ years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **346566**
www.infineon.com/jobs



Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

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.

