



Senior Engineer Process Integration (Integrated Circuits Product Matrix)

Job description

To drive process improvement plan based on systematic analysis of inline/Electrical Test/yield data to meet quality and yield targets.

In your new role you will:

- To drive process improvement plan based on systematic analysis of inline /Electrical Test/yield data to meet quality and yield targets.
- To own technology assigned and manage independently on process/inline/ Electrical Test /yield issues to meet line yield target performance.
- To execute technology transfers and/or product transfer/new product introduction from mother fab and release for mass production by ensuring process robustness and manufacturability.
- To identify key process weaknesses and perform fine tuning on existing processes for continuous improvement to yield/quality/productivity and cost.
- To work closely with process/equipment engineers to formulate and implement robust technical improvement solutions.
- To use statistical knowledge (e.g. DOE, SPC) and systematic problem-solving techniques (e.g. 8D, 5 Whys) to determine root causes for low yield wafers/lots as well as developing containment/corrective/preventive action plans.
- To work closely with Defect Density/process engineers to swiftly contain high Defect Density and inline excursions and find root causes and provide working solutions.
- Lots' assessment & disposition to ensure quality of products delivered to customers meet required quality standards.

Profile

You are best equipped for this task if you have:

- PHD/Masters/Degree in Microelectronics/Electrical/Electronic Engineering or Science in Physics/Chemistry/Material Science or any related field.
- Preference will be given to candidates with strong knowledge of semiconductor device physics.
- (e.g. PN junction diode, MOSFET, BJTs etc.) And wafer fabrication techniques and processes (e.g. diffusion, ion implantation, etching, photolithography, thin film deposition etc.).

At a glance

Location: **Kulim (Malaysia)**
Job ID: **337997**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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- At least 2-3 years relevant experience in semiconductor manufacturing and yield improvement.
- Experienced candidates may be considered for higher positions in relevance to their qualifications.
- and expertise.
- Fresh candidates will be considered for entry level positions only.
- Good interpersonal and effective communication skills.
- Good presentation skills with strong problem-solving skill.
- Able to perform under a fast paced and challenging environment.
- Willing to stretch extra miles to achieve overall organizational goals.

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.

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.

