



Principal Engineer Product & Test Engineering

Job description

Responsible for yield management at Infineon subcons for MOSFET, IGBT, SiC and other semiconductor products. Job duties include yield, cost, quality and test improvement by working with Fabs, quality and test engineering teams. Interface with cross-functional teams, like OSAT engineering, QM, Test Engineering, and Fab teams for product yield, cost and quality improvement goals & projects.

- Ownership of Assembly & Final Test yields improvements at OSAT factories for all products by working with FE (Fabs) and BE (assembly) engineering teams
- Work with Technology Development (TD), Divisions (Business units), Operations (Assembly & Fabs), Test Engineering, Packaging R&D and Quality teams to identify opportunities for cost reduction, yield/quality improvements and defect reduction on Power products at OSAT
- Ability to work with internal and external customers on product quality improvement & zero defect goals
- Responsible for data collection, analysis and feeding back to the design and manufacturing teams, recommendations and product learning in order to systematically improve product processes, technologies and product lines for yields, quality and cost down plans
- Interface with cross-functional teams, like OSAT engineering, QM, Test Engineering, and Fab teams for product yield, cost and quality improvement goals & projects.
- Responsibilities include product characterization, testability and manufacturability study (DFT and DFM) during the NPI process, and release to production.

Profile

- BS, MS or PhD in Electrical/electronics engineering, chemical, Microelectronics, Physics, Material or equivalent field in engineering & science.
- More than 5 year experience dealing with Power devices (MOSFET, IGBT, Diodes, IC, etc.) related to manufacturing, test, yield enhancement
- Product Engineering experience with 5+ years of in semiconductor industry working with Power Devices (like MOSFET, IGBT, SiC, GaN,) in areas of yield improvement at assembly or fabrication area.
- Knowledge and experience in Statistical & Problem Solving Methodologies
- Knowledgeable in all electrical characteristics of Power MOSFETs, IGBT & IC products
- Excellent teamwork with good interpersonal skills (ability to work efficiently with multi-functional teams) .
- Excellent communication skills (verbal, written, and ability to make presentations to management & customers)
- Strong driver (assertive and results/goal oriented) (Must have)
- Ability to initiate, lead and complete projects with minimum supervision to meet deadlines(Must have)

Benefits

At a glance

Location: **Wuxi, (China)**
Job ID: **359968**
Start date: **as soon as possible**
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:

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Contact

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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.

