



Backend Electronic Manufacturing Engineer

Job description

Do you have experience in semiconductor backend process, electronic assembly process, or package engineering? In this role you will sustain the on-site backend electronic / hybrid assembly and screening to resolve day-to-day issues, support continuous improvement projects and support process development for new equipment and new products.

In your new role you will:

- Support various areas of manufacturing including Assembly, Screening and Finishing, SMT/PCB and Module Mechanical Assembly, and Material Storage and other manufacturing support areas
- Support on-site and hands-on approach in resolving and providing disposition to day-to-day manufacturing process issues, including those related to process set-up, materials, workmanship, and other factors
- Process continuous improvements for manufacturing predictability and enhancement of yield, cycle time, and product quality and reliability
- Recommend process roadmap; selection, purchase and qualification of manufacturing equipment
- Review and provide recommendations for manufacturability of new products
- Develop and qualify processes for new or revised products, materials, package, or product / quality requirements
- Design tools and develop procedures to reduce manufacturing variability and ease operator processes and training
- Support other responsibilities that may be assigned depending on business need

Profile

You are best equipped for this task if you have:

- Bachelor of Science (or equivalent) degree in engineering, such as mechanical, chemical, materials, metallurgy, manufacturing, or process engineering
- Minimum 3 years in semiconductor backend process, electronic assembly process, or package engineering; including hands-on experience in equipment and materials such as epoxies, solders, Al, Au bond wires
- Knowledge in developing, improving, and sustaining on-site and outsourced backend processes, such as die attach, wire bond, package sealing, lead, finish, trim and form, and mechanical assemblies
- Ability to work effectively in a team, ability to collaborate with other teams and sites for best practice, resource and knowledge sharing

At a glance

Location:

Job ID: **339961**

Start date: **as soon as possible**

Entry level: **1-3 years**

Type: **Full time**

Contract: **Permanent**

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Job ID: **339961**

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- Experience in leading continuous improvement teams and optimistic in managing and implementing changes
- Worked with other teams to deliver customer commitments on manufacturing engineering projects and tasks
- Skills in tools for new process development, process optimization, and continuous improvement such as DFM reviews, DOE, 8D, FMEA, Control Plans, OCAP, and statistical analysis methods/tools

Infineon **Power & Sensor Systems (PSS)** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. IR HiRel, part of Infineon PSS, is a leader in high-reliability, rad hard power management and RF solutions for space and other extreme environments.

Our leading-edge power devices make chargers, adapters, power sources and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

– We drive leading-edge power management, sensing and data transfer capabilities –

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.

IR HiRel Products Inc. is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should contact the Talent Network by phone at (408) 503-2194.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your on-boarding documents.

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

IMPORTANT NOTICE:

Infineon is requiring all new U.S. employees and contractors to be fully vaccinated against COVID-19. Full vaccination is defined as two weeks after both doses of a two-dose vaccine or two weeks since a single-dose vaccine has been administered. Anyone unable to be vaccinated, either because of a sincerely held religious belief or a medical condition or disability that prevents them from being vaccinated, can request a reasonable accommodation.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically



during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

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