

Semiconductors: Manufacturing Process Engineer

Description:

Industry:	Compound Semiconductor/Manufacturing Sector
Job Title:	Semiconductor: Manufacturing Process Engineer
Job Start date:	ASAP
Location:	Fife Area KY5 – KY7
Job Type:	Permanent, rotational shifts
Salary range:	£35k - £45k plus shift allowance; depending on experience (plus attractive benefits package)

Job Overview:

Clas-SiC Wafer Fab Limited is a dedicated manufacturing facility for Silicon Carbide Power Semiconductors in Lochgelly, Fife. Due to increasing demand and the associated ongoing expansion, the Company now has an exciting opportunity for a **Manufacturing Process Engineer** to join its Wafer Fabrication Manufacturing Excellence Engineering Team. The primary focus of this role will be to develop, specify and maintain manufacturing processes to ensure 'best in class' on-time delivery of products to Clas-SiC's customers.

As a member of the Manufacturing Engineering team, the ideal candidate will have experience in a process engineering role in a semiconductor wafer fabrication manufacturing environment, with experience in defining, developing, and maintaining processes in areas such as diffusion, metalization, photolithography and/or wet & dry etch.

The candidate should have experience in operating across all organizational levels and departmental boundaries. As small enterprise company of around 65 employees, at Clas-SiC you will require to be highly flexible & become involved in activities other than purely process engineering. It is essential that you have a 'can do' attitude to do whatever needs to be done.

This role will report directly to the Manufacturing Engineering Manager & will work closely with the equipment Engineering, test Engineering and Facilities Engineering Teams.

Education & Qualifications:

- Minimum HNC in Electrical or Mechanical Engineering discipline

Essential Experience & Skills:

- Experience in semiconductor manufacturing processes and services, within any area of semiconductor manufacturing industry
- Track record of ability to fault-find and solve technical problems relating to stability and efficiency of manufacturing processes.
- Experience in defining and developing manufacturing processes and techniques.
- Proven experience of working safely within a manufacturing facility and environment
- Demonstrable experience in contributing to or leading process performance improvement programmes/activities.
- Highly motivated self-starter and able to drive progress without close supervision.
- Excellent communication skills, both written and verbal.
- Experienced and confident in interacting with customers & suppliers to leverage the best outcomes for the business.
- Proven post-qualification experience of working within a multi-disciplined maintenance environment is essential.

- Experience of defining, procuring, and maintaining a range of manufacturing process equipment.
- Competent in the use of Microsoft Office applications.
- Experience of working in a rotating shift team.

Key Role & Responsibilities:

- Along with Product Technology leads, develop appropriate manufacturing processes on owned tool sets to enable the manufacture of SiC based diode and Mosfet devices.
- Maintain/resolve process issues for all owned process stages and modules to ensure required process availability performance.
- Identify and remove process cycle time and capacity limitations for restricted equipment/process stages.
- Identify and remove process yield limitations root causes for restricted equipment/process stages.
- Assist in lower manufacturing costs with emphasis on cost of ownership and optimisation of the factory performance.
- Analyse process performance and stability data, report findings and implement improvement actions.
- Collect and maintain documentation to meet safety, quality and product compliance and legislation requirements.
- Control documentation for Process Quality management and process performance management systems.
- Develop and document process monitoring and maintenance practices & procedures so that they are easily understood and followed.
- Provide technical instruction and coaching to peers and colleagues for their area of expertise.
- Actively participate in goal setting and performance management objectives and demonstrate Clas-SiC values in meeting those objectives.
- Input into the Clas-SiC equipment and process technology roadmap.
- Support On-Time Delivery goals.
- Clearly and succinctly document and report development work to support the establishment of Clas-SiC's intellectual property.
- Support project planning, monitoring, and reporting.

Working Hours:

This role is 40 hours per week on a Dayshift/Backshift rotation, with the relevant shift allowance.

To apply:

Please submit your CV and covering letter to our HR Partner, Alison Melville at hr@greigmelvillehr.co.uk or apply via Indeed at: <https://uk.indeed.com/job/manufacturing-process-engineer-d0d06cb6ccdde0c6>