

Job Title: Production Engineer  
Reporting to: Production Team Lead  
Reports: N/A

### **Company description**

Ilika ([www.ilika.com](http://www.ilika.com)) is a pioneer in solid state batteries. The company has developed miniature micro-fabricated solid state batteries (Stereax) for Internet of Things (IoT) applications and is now developing large format solid-state cells for electric vehicles.

Ilika is a publicly listed company with its head office in Romsey and a facility at the University of Southampton. We offer the successful candidate a competitive package and the opportunity to be part of a world class technical team using state of the art equipment in a supportive environment.

### **Overview of the role**

The individual will work in a team of engineers taking overall responsibility of the day-to-day operation and maintenance of the vacuum cluster production tool. In addition, the successful candidate will support the transfer of Ilika's Stereax process from the cluster tool to high throughput manufacturing tools, and help facilitate the transfer and incorporation of these tools and processes into one or more 3<sup>rd</sup> party fabs.

### **Your main duties will include:**

- Responsibility for implementing, and sustaining, qualified processes on the cluster tool and their transfer to new manufacturing tools (including metrology);
- Support Stereax battery manufacture on both the cluster tool and the new manufacturing tools;
- Analyse manufacturing performance (process capability and yields) and continuously improve using appropriate methodologies/techniques;
- Development and maintenance of Process documentation and procedures to comply with appropriate quality standards;
- Manage and execute workload/tasks to ensure OTD of project/business requirements and achievement of KPI's;
- Technical support with upgrades and modifications to manufacturing tools;
- Implement Lean Six Sigma productivity improvement techniques;
- Documentation of optimised production workflows for various format processes;
- Support in the design, factory testing, delivery, installation and commissioning of Company equipment at 3<sup>rd</sup> party facilities.

### **To be successful in this role, you will possess the following:**

- Minimum qualification level HNC although a BSc or BEng/Meng would be desirable;
- A minimum of 2 years' experience working in a production cleanroom environment (Semiconductor or MEMS) in volume production;
- Good understanding of manufacturing processes;
- Ability to follow and maintain qualified processes with good attention to detail;
- Six Sigma skills (Fishbone, FMEA, etc.) applicable to troubleshooting;

- Ability to write well defined operating procedures in compliance with ISO 9001;
- Conscientious and have a good eye for detail;
- Demonstrated ability to work well in a team;
- Willing to travel on a regular basis.

Applicant must be eligible to work in the UK.

Ilika is an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, gender reassignment, religion or belief, marital status, or pregnancy and maternity.

**Contact: [careers@ilika.com](mailto:careers@ilika.com)**