



Senior Electronics Manufacturing & Test Engineer

About ION Science Ltd:

ION Science has over 30 years of industry experience designing, manufacturing, and supplying PID gas sensors, gas detection instruments and leak detectors for a wide range of industries and applications. We are an unrivalled worldwide Gas and Leak detection Company, with a Team of workers who strive to deliver exceptional product quality and customer satisfaction.

This is a fantastic opportunity to join our growing Team and be part of a well-recognised brand associated with quality.

MAIN PURPOSE OF JOB:

You will be responsible for developing best in class PCB & Product Testing capability and diagnostic support, to ensure that the Manufacturing Operations can run reliably and efficiently. In addition, you will take the lead in managing projects to support the introduction of new products, processes and automated test equipment.

This role will need advanced electronics engineering expertise, combined with a hands-on approach to provide exceptional diagnostic support to Production & Production Engineering teams. Furthermore, the ability to collaborate effectively with the R&D teams and external suppliers is vital, to deliver robust automated production process and test solutions.

TEAM AND REPORTING TO:

You will work as part of the Operations Team reporting to the Operations Director or appropriate Operational Manager.

JOB ROLE:

- Lead projects to deliver New Products & Processes into Manufacturing, utilising best in class automated production process and test solutions.
- Provide exceptional support to Production, by conducting structured problem solving and root cause analysis to diagnose issues and to provide robust solutions.
- Design & develop automated test & verification processes & solutions to meet the requirements of the Production teams and to develop the capacity needed to keep up with customer demand.
- Fault finding & repair of precision electronic PCBA's etc.
- Where necessary, coordinate service / maintenance of SMT machine and related PCBA Manufacturing equipment with external providers as necessary to ensure that machine uptime is optimal.
- Help develop & support the Production Teams by ensuring that in-house processes & rework comply with best-practise and relevant IPC Standards.



- It would be desirable if the successful candidate has the ability/experience to load, set, programme & optimise a Euro-placer SMT Line and associated speed printer, reflow oven & AOI etc.
- Support the production of all PCB variants via all the relevant in-house processes & relevant IPC Standards.
- Maintain high quality documentation using the company documentation systems.
- Attend internal meetings when required.
- Work closely with the production & production engineering teams to resolve high priority issues.
- Participate in Continuous Improvement Activities to develop & improve our manufacturing capability in the PCBA & product manufacture, production processes and related processes.
- Work effectively with team members, management teams and other key members to ensure delivery of robust and reliable solutions.

SKILLS:

This is a hands-on senior electronics role and the person appointed will be; -

- Advanced Electronic & Electrical measurement competence & capability.
- Able to conduct structured root cause analysis of advanced & high sensitivity electronics to enable robust problem solving and provide robust solutions.
- Experience of working with, & TPM maintenance of, SMT Machines, AOI & other related Processes & Equipment.
- Ability to lead others effectively. The role will require project leadership and also the development of small team of direct reports from apprentice level to experienced engineers.
- Safety Conscious.
- Self-organised, methodical, logical and detail oriented.
- IT literate & proficient with Microsoft Office tools.
- Good levels of numeracy
- Excellent written & oral communication skills in English language.
- Possess a high degree of precise manual dexterity, and the physical ability to load/unload SMT Machines & carry out basic maintenance
- Good vision capability to enable precision work, with very small components (i.e. 0201 SMT components)
- Team player.
- Possess good initiative & work ethic.
- Have excellent levels of attention to detail.
- Excellent at building rapport with internal departments.
- Have a flexible approach, and prepared to work additional hours where necessary to meet customer demand.
- Ability & willingness to learn and develop.



BENEFITS:

- 25 days annual leave + Bank Holidays (annual holiday increasing with service)
- Pension Scheme
- Life Assurance Scheme
- Private Medical Scheme
- Bike purchase Scheme

SALARY:

TBC

WORKING PATTERN:

Monday to Thursday: 08:30 – 17:00;

Friday 08:30 – 15:45

Full time

Permanent position

LOCATION:

This role is based at the Ion Science head office, located in Fowlmere, 10 miles south of Cambridge. The role is required for you to be on site.

Our Core Values:



What our current employees say about working for ION Science:

“I have worked at ION Science for 8 years now and I wouldn’t want to work for anyone else! It doesn’t matter whether you are office staff or production, you are always treated with respect by everyone.” L Stanford: Senior Production Assistant

“I have been with ION Science for nearly 5 years now and our Company values really are integral in all we do. ION Science is fun, yet such a driven Company to work for.” E Lane: Marketing Supervisor