



SMT/PCB Assembly, Rework & Inspection Operator

About ION Science Ltd:

ION Science is a global leader in developing and manufacturing pioneering gas sensing products & solutions for a wide range of industries and applications. We have a team who strive to deliver exceptional product quality and customer service.

This is a fantastic opportunity to join our growing Team and be part of a recognised and trusted brand associated with strong company values, integrity, quality and responsiveness.

MAIN PURPOSE OF JOB:

The SMT/PCB Assembly, Rework & Inspection Operator will assist in the manufacture of a wide range of PCB assemblies, within the SMT/PCB Manufacturing Value Stream. The role is essential for ensuring that the PCB's are manufactured to the highest standards and that any process defects are identified and reworked in accordance with IPC standards, in a timely manner in order to meet customer specifications.

You will be responsible, as part of a team, for assembling, inspecting & reworking SMT & PCB assemblies along with the day-to-day set-up, running and daily maintenance checks of key processes and equipment within the SMT (Surface Mount Technology) & PCBA Manufacturing Value Stream within Ion Science Ltd.

The primary responsibility will be to inspect finished SMT & PCBA's (using A.O.I or manual vision systems), identify any defects and carry out accurate repairs in accordance with the relevant company & IPC standards. In addition, to carry out any SMT & PCBA related assembly processes as required by the SMT/PCB Manufacturing Value Stream. This could include hand soldering of odd-form components, operating related SMT/PCB processes, testing finished PCBA's etc.

TEAM AND REPORTING TO:

You will work as part of the Production Team reporting to the PCB Team Leader. In addition, work closely with the SMT Technician regarding all technical aspects of Surface Mount Production Processes.

JOB ROLE:

- Carry out assembly and precise soldering of odd-form PCB components (i.e. Pins, Connectors, Displays etc.) onto SMT & part-finished PCB Assemblies.
- Carrying out testing and programming of finished PCB Assemblies.
- Visually inspect SMT & finished PCB Assemblies to ensure that all components are installed & soldered correctly.
- Carry out first-off panel inspections to enable key processes to run.
- Carry out reliable component level inspection of boards using AOI (Automated Optical Inspection) and/or Vision Systems.
- Operate Automatic Optical Inspection on SMT Panels (Cyberoptics AOI).



- Carry out precision repairs to component level on SMT/PCB Assemblies.
- Carry out SMT and odd-form component soldering in accordance with relevant company and IPC Standards (Ideally IPC Level 3, or to possess the ability to achieve this standard).
- Operate key equipment & processes as required within the PCB Assembly Value Stream. This will include; -
 - De-panel PCB's.
 - Conformal Coat application.
 - Potting application.
- To keep the SMT & PCB Assembly equipment & area clean and tidy always (5S & Safety).
- Produce all PCB variants via all the relevant in-house processes, & relevant IPC Standards
- Correct identification of through-hole components and their values.
- Correct identification of SMT components and their values.
- Maintain information through Microsoft Applications.
- Under guidelines from Team Leader, fulfil requirements required for working day.
- Attend internal meetings when required.
- Work closely with the production team to resolve high priority issues.
- Participate in Continuous Improvement Activities to develop & improve the SMT & PCB Assembly areas and related processes
- Work effectively with team members and other key members to ensure delivery of production targets and customer demand.
- Maintain accurate stock levels where applicable and strive to minimise waste.

SKILLS:

This is a hands-on production role and the person appointed will be:

- **Safety & quality conscious.**
- Experience of working in a **technical manufacturing environment.**
- Production **experience PCB Assembly Production Equipment & related Processes.**
- Possess a high degree of **precise manual dexterity**, and the physical ability to load/unload PCB Processes and Equipment and to carry out basic cleaning and maintenance tasks
- **Excellent vision capability** (including the **ability to inspect and work under magnification**) to enable **precision work with very small components** (i.e. 0201 SMT components).
- Experience & relevant qualification for carrying out **assembly, inspection & rework of high quality SMT & PCB Assemblies to relevant IPC standards.**
- **Precision hand soldering of SMT** (component packages down to 0201) and odd-form components in accordance **IPC Standards (Ideally IPC Level 3, or to possess the ability to achieve this standard).**
- Self-organised, methodical, logical and detail oriented.
- **IT literate** & proficient with Microsoft Office tools.



- Numerate.

- Good reading, written & oral communication skills in English language.
- Ability to read work instructions and drawings.
- A team player.
- Possess good initiative & work ethic.
- Punctual & reliable.
- Have excellent levels of attention to detail.
- Have a flexible approach and prepared to work additional overtime where necessary to ensure meet demand.
- Ability & willingness to learn and develop.
- Ability to differentiate between colours for accurate identification of materials & components.
- Experience of electronic component recognition.

BENEFITS:

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

WORKING PATTERN:

Monday to Thursday: 08:30 – 17:00;

Friday 08:30 – 15:45

Full time (part time can be considered)

Permanent position

LOCATION:

This role is based at the Ion Science head office, located in Fowlmere, 10 miles south of Cambridge.

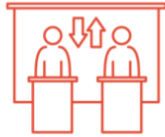
The role is required for you to be on site.



Our Core Values:



Fun



**Embrace
change**



Respectful



Responsive



**Challenge the
status QUO**



Committed

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