



PCB Assembler

About ION Science Ltd:

ION Science has over 37 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. In 2022 ION Science were awarded the Queen's award for Enterprise for MiniPID Sensors. This is a fantastic opportunity to join our dynamic and growing team and be part of a well-recognised brand associated with quality.

MAIN PURPOSE OF JOB:

The PCB Assembler will assist in the manufacture of a wide range of PCBAs (Printed Circuit Board Assemblies) and related Sub-Assemblies, within the Instrument/PCBA Manufacturing Value Stream. The role is required to ensure that required PCBA's are assembled and tested to the highest standards, on-time, in order to meet our customer requirements.

JOB ROLE:

- Carry out assembly and precise hand soldering of through-hole and odd-form PCB components (i.e. Pins, Connectors, Displays etc.) onto part-finished PCB Assemblies.
- Component soldering in accordance with relevant company and IPC Standards (Ideally IPC Level 3, or to possess the ability to achieve this standard).
- Carrying out testing of PCBA's using in-house test equipment.
- Visually inspect PCB Assemblies to ensure that all components are installed & soldered correctly.
Note: In-house vision equipment & Automatic Optical Inspection (AOI) equipment are also available to aid visual inspection.
- Operate key equipment & processes as required within the PCBA Manufacturing Department. This may include; -
 - Soldering stations & associated local exhaust ventilation equipment.
 - Magnification and Visual Inspection Equipment.
 - ESD equipment and test stations.
 - PCB De-paneling equipment.
 - PCB Test & Programming Equipment.
 - Conformal Coat application, as required.
 - Potting application, as required.
 - Curing Ovens.
- To keep the 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.
- Maintain information through Microsoft Applications.

EXPERIENCE REQUIREMENTS:

- Experience gained working in a (Engineering based) Technical Manufacturing, business or similar.
- Solder and PCBA assembly training and/or experience (Ideally in accordance with IPC standards)



DESIRABLE SKILLS:

- Safety & quality conscious.
- Punctual & reliable.
- Production experience of PCB Assembly, Soldering, Production Equipment & related Processes.
- Precision hand soldering of SMT (component packages down to 0201) and odd-form components in accordance IPC Standards (Ideally IPC Level 3 or possess the ability to achieve this standard with training).
- 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).
- Possess a high degree of precise manual dexterity, and the physical ability to load/unload PCB
- Processes and Operate Inspection/Test Equipment, and to carry out other related calibration, test, cleaning and maintenance tasks.
- Have excellent levels of attention to detail.
- Basic reading, written & oral communication skills in English language.
- Basic IT Literacy & Basic Numeracy
- Ability to read work instructions and related PCBA Procedures, Drawings/Schematics in English.
- Team player.
- Possess good initiative & work ethic.
- Ability & willingness to learn and develop.
- Ability to differentiate between colours for accurate identification of materials & components.

BENEFITS:

- 25 days annual leave + Bank Holidays (annual holiday increasing with service)
- Excellent employer pension contributions of 8% after probation
- Life Assurance of 4x of pensionable salary
- In-house training
- On-site shower & changing facilities
- Discretionary Annual Bonus
- Long term service awards
- Monthly lunch & drinks laid on by the company
- Sick Pay
- Christmas Party
- On-site parking
- Private Medical with AXA
- Car share scheme
- Early finish on Fridays

WORKING PATTERN:

- Monday to Thursday: 08:30 – 17:00
- Friday: 08:30 – 15:45
- Immediate start available
- Full time – Permanent position

Our Core Values:



Fun



**Embrace
change**



Respectful



Responsive



**Challenge the
status quo**



Committed

Due to the high level of CVs that we receive, we regret that we will not be able to contact you unless your CV is being progressed to interview stage.