

VACANCY – NPI & Production Engineer

SALARY: COMPETITIVE
HOURS: 37.5hr p/w
LOCATION: HOOK
EXPERIENCE: ESSENTIAL



We currently have an exciting opportunity for you to join STI Ltd as **NPI & Production Engineer**, based at our manufacturing site in **Hook**. This role is offered on a full time, permanent basis in return for a competitive salary, depending on experience and skills.

As the **NPI & Production Engineer**, you will be responsible for providing an efficient assembly process flow and effective control plan for new products and newly introduced legacy products, targeting a right first time build. Enabling production to maintain and improve quality, cost and delivery performance by providing online technical support, standard operating procedures, assembly tooling and visual aids. Understanding, defining methods and supporting processes that meet and deliver customer requirements.

The NPI & Production Engineer role will involve:

- Owning the technical aspects of Contract Review Process, ensuring that:
 - All critical and specific customer requirements are captured and considered during manufacturing/process steps/ routing creation
 - Required and appropriate tooling (i.e. stencils/ fixing/solder jigs) are provided prior the slot date
 - Visual aids and other assembly instructions are provided
- Customer focus Engineer looking after all engineering activities to introduce, update and maintain products
- Conducting PFMEA to identify the associated risks and establish control prior to the manufacture of new products
- Facilitating Process, Quality, and Cycle Time/UPH improvement, involving representatives from other departments to promote teamwork and awareness
- Promoting quality awareness
- Standardising procedures and documenting them through work instructions
- Designing fixtures and jigs required during PCB and Box Build Assembly
- Assembly monitoring to minimize downtime in order to successfully meet OTIF/ turnaround
- Carrying out post build reviews to document all key elements that lead to the success and/or lessons learnt during the assembly of the new product and handed-over to Production Engineering and Production for future build
- Identifying design faults and raising suggestions through DFX Analysis
- Promoting continuous improvement and Quality Awareness
- Mentoring Production Engineering Technicians / Quality Technicians / Process Technicians
- Implementing best known method and fool- proof solutions
- Yield / DPM analysis
- Liaising with Project Management, R&D, account management and planning in devising plans to achieve the target turn around on first time builds (new product and newly introduced legacy products)
- Assisting on customer, regulatory or standards audit when required

- Process and procedure documentation
- Implementing projects from technology road map
- Supporting quote activity

NPI & Production Processes & Quality Systems

- Owning NPI, Change notes and supporting ongoing production for own customer
- Owning product process and quality
- Owning process design
- Providing process work instructions and visual aids
- Being the technical lead for contract reviews / production readiness reviews / build reviews
- Responding to production and customer technical queries
- Provide engineering support for returned material reviews / concession applications
- Providing process flow lines / throughput management
- Interacting with and liaising with customers
- Supporting cell design to follow specified process flows/routines

Change Management

- Reviewing and embodying concessions / emails / engineering change notes
- Implementing change notes – production documentation and programming changes
- Amending process routing
- Defining rework loops / additional material review
- Processing work instructions review
- Reviewing Standard Operating Procedures
- Reviewing and verifying changes to relevant processes and procedures

Continuous Improvement

- Managing tooling design and integration
- Utilising Lean Manufacturing techniques and quality tools
- Engaging and supporting continuous improvement projects

For this role you will need:

- **Degree or equivalent in a relevant engineering discipline**
- **Industry relevant certifications are desirable e.g. IPC**
- **Working knowledge of Six Sigma, Lean Manufacturing and Process Improvement tools and techniques**
- **Good Working knowledge of Microsoft Office packages and CAD and Gerber generation software experience**

We offer excellent career opportunities, 23 days holiday (plus Bank Holidays & Flex Days), Company Pension, Health Cash Back Scheme, Flexi-hour scheme.

A full job description is available on request

The ability to achieve UK security clearance may be required for some roles.

All applicants should have the Right to Work in the UK, as we are unable to offer sponsorship for this role.