

1. Job Details	
Job Title	Production Engineer
Department	Manufacturing
Responsible to	Manufacturing Manager
Location	Stony Lane, Christchurch, Dorset, BH23 1EX, UK

2. Overall Purpose
<p>The Production Engineer will assume and discharge the responsibility for continuous improvement of existing production processes, to include identification, development and implementation of new processes, jiggging, and technology. Provide technical support to maintain production capability and quality in conjunction with the Manufacturing department. You will determine the methods, machines, tooling and processes required to produce the company's products in an expeditious, economical and safe manner. Amending planning sheets for the manufacture of components to meet customer's requirements, including the modification of process planning in light of experience, drawing or process changes.</p>

3. Key Areas of Responsibility
<ul style="list-style-type: none"> • Provide technical support to maintain production capability and quality in conjunction with the Manufacturing Manager. • Continuous improvement of existing production processes, to include identification, development and implementation of new processes, jiggging, and technology. • Conduct and optimise timings for new and existing operations. • Generation of production documentation such as assembly instructions • Create and maintain work instructions for all production processes and assess operator's competency and capability against them in line with the company skills matrix. • Produce reports in line with KPI's • Create internal manufacturing processes to industrialize product from design to production including documents, WIs, and oversee the production of samples performing all required checks to ensure the product meets prescribed criteria • Determining the methods, tooling and processes required for manufacturing the company's products • Advising on types of equipment required for manufacturing components to meet customer's requirements • Problem-solving, liaison with other internal and external stakeholders • New product introduction (NPI) • Assisting with internal investigation and customer returns. • Project management of the introduction of component running changes. • Liaising with customers and subcontractors on technical queries as needed • Liaising with Shop Supervisors to resolve technical problems and ensure that new products are planned effectively • Appending/amending target working times to operations on process planning sheets as and when required • Keeping up to date with new methods, processes, equipment, and products • Production and maintenance of manufacturing documentation and other documentation required for the manufacture of the Company's products. • Estimating Labour Hours and material costs, including tooling required for manufacturing components to customers requirements. • Support regulatory and customer audits by reviewing and updating relevant documentation. • Performing other duties as may be deemed necessary to ensure the effective running of the Department and Company • Liaising with other departments. • Take part in 5S, Six Sigma and KAISEN methodologies within the business to ensure step change happens. •

4. Experience Required

- Experience in metallic areas, Sheet Metal Forming, Welding, Resistance Welding & Aerospace Assembly Structures.
- Composites and machine shop planning experience would be an advantage.
- Aerospace Sector Planning and Estimating Experience
- Experience of optimising process flows, operation timings and production layouts

5. Key Knowledge Areas

- Wide knowledge of products and processes used in the aerospace manufacturing industry
- Broad Knowledge in Sheet Metal forming methods, Metallic Assemblies, Fabrications, welding, and Treatments.
- Recognised engineering qualification - HNC or higher (preffered).
- Proficient in MS Office applications: Outlook, Word, Excel and PowerPoint.
- Reading technical drawings and CAD models.
- Basics of Lean manufacturing.

6. Key Skills and Technical Requirements

- Excellent listening, verbal, and written communication skills.
- Numeracy skills, in order, to analyse data.
- The ability to make important decisions with the pressure / demand of targets and tight deadlines.
- Time management skills.
- Able to read and understand engineering drawings
- Experience with ERP systems Broad Knowledge in Sheet Metal forming methods, Metallic Assemblies, Fabrications and Treatments.
- Ability to use ERP / MRP software is advantageous.
- Familiarity with component inspection techniques/tools.
- Understanding of reading technical drawings.

7. Person Profile

- The capacity to grasp complex concepts easily
- ICT literacy to deal with various technologies and programmes
- Attention to detail to ensure high levels of quality
- The ability to communicate clearly and persuasively with your team, managers, and clients
- The ability to work under pressure and multitask
- The ability to work in a logical, systematic manner.
- Credible and confident communicator (written and verbal) at all levels.
- Highly Output driven.
- Self-motivated, with the ability to work proactively using own initiative.
- Highly customer focused
- Hands-on approach, with a 'can do' attitude
- Ability to effectively communicate ideas and thoughts to people at all levels of the organisation, establishing credibility with management and employees throughout the supported population.
- Comply with company ITAR/EAR requirements - May require use of information that is subject to the International Traffic in Arms Regulations (ITAR) and / or the Export Administration Regulations (EAR).
- Analytical approach to problem solving.
- A hands on, Pro-Active, Motivated Individual