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| **1.** | **Job Details** |
| **Job Title** | Manufacturing Engineer - Composites |
| **Department** | Engineering |
| **Responsible to** | Head of Engineering and Quality |
| **Location** | Stony Lane, Christchurch, Dorset, BH23 1EX, UK |

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| **2.** | **Overall Purpose**  |
| Reporting to the Head of Engineering and Quality, the Manufacturing Engineer will assume and discharge the responsibility for determining 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. In addition to the engineering function, the role will include the preparation and estimation of customers Requests for Quote (RFQ) this will include the responsibility for breaking down customers enquiries into labour hours, material values and tooling cost for the purpose of quotations to the customer. |

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| **3.** | **Key Areas of Responsibility**  |
| * Problem solving, liaison with other internal and external stakeholders
* New product introduction (NPI)
* Determining the methods, tooling and processes required for manufacturing the company’s products
* Advising on types of equipment required for manufacturing components to meet customers’ requirements
* Liaising with customers and subcontractors on technical queries
* 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
* Performing other duties as may be deemed necessary to ensure the effective running of the Department and Company
* Production and maintenance of Local Control Documents (LCDs), Process Control Documents (PCDs) and other documentation required, allowing the manufacture of the company’s products
* Estimating Labour Hours and material costs, including tooling required for manufacturing components to customers’ requirements
* Estimating type and cost of tooling required for manufacturing components to customers’ requirements.
* Submitting times and values for estimate build up, on approved estimate sheets clearly showing all cost elements
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| **4.** | **Experience Required** |
| * Experience in identifying and specifying tooling requirements for moulding and assembly processes and the ability to accept and approve tooling for production use
* Experience of working with an ERP system to create and maintain BoMs and Routings. Comprehensive understanding of a range of problem-solving techniques such as (but not limited to) 8D and 5 Whys
* Creation of concise work instructions for end-to-end composite component manufacture (Laminating through to Assembly and Paint) to support a "Right first Time" philosophy
* Develop new, novel and update current manufacturing processes
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| **5.** | **Key Knowledge Areas** |
| * Composite Assemblies, layups and manufacturing techniques
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| **6.** | **Key Skills and Technical Requirements** |
| * Recognised Qualification - HNC Preferred
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| **7.** | **Person Profile** |
| * Self-motivated with an ability to remain resourceful and committed
* Must demonstrate good attention to detail
* Be flexible, adaptive, and proactive
* Good communication skills
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