

## Production Engineer

### JOB DESCRIPTION

JOB TITLE	Production Engineer	LOCATION	Derby
REPORTING TO	Production Manager	VERSION #	1.5
COMPANY	Rotadata Limited	DATE	14/08/2017

### ROLE OBJECTIVES

- To oversee, manage and plan various projects, providing support to the business including manufacturing, design and sales as required.
- To provide a central co-ordination role, ensuring that project requirements are delivered within their agreed quality, time and cost standards.

### DUTIES & RESPONSIBILITIES

- This work criteria is NPI and developmental work within the gas turbine instrumentation sector.
- To prepare detailed planning documentation and material schedules according to technical engineering drawings, schemes and customer specifications.
- Co-ordinate with and manage sub-contractors and product suppliers for timely delivery.
- Administer and maintain relevant spreadsheets and tracking documentation.
- Produce bill of materials and process documentation to support manufacturing operations.
- Create and provide work instructions for new projects prior to releasing to the shop floor, so that production staff has a complete method of manufacture.
- Design jigs, fixtures and tooling, employing Solidworks.
- Determine the required levels of quality and assist in ensuring that standards are adhered to.
- Liaise with sub-contractors and customer engineering to resolve technical issues.
- Purchasing activities and order processing.
- Ensure management has visibility of all programmes and associated deliverables.
- Assist with resource availability and management to meet programme requirements.
- Proactively offer suggestions or methods that will offer reduced time, cost or risk in the manufacturing process.
- Integrate work with Engineering, Production, Quality, Purchasing, and Scheduling Departments to ensure a smooth flow of quality products through the company.
- Adhere to company Health and Safety standards.
- To provide cover for other Production Engineers as required to ensure all projects are completed to the required standards
- Support the development of new methods, processes, and equipment and apply them to the manufacturing operation.
- Prepared to contribute with overtime needs as the business dictates.
- To carry out any reasonable duties as requested by management.

## QUALIFICATION/EDUCATION

- HNC or equivalent experience in Mechanical Engineering.
- Background in Aerospace or Precision Engineering.

## KNOWLEDGE & SKILLS

- Good knowledge and understanding of aerospace/precision engineering manufacturing methods and processes.
- Able to understand and evaluate machining drawings, assembly drawings, and detailed technical schemes.
- Strong planning and organisational skills.
- A good understanding of standard manufacturing methods (Milling, Turning, EDM, Welding, Vacuum Furnace Brazing, etc.)
- Excellent communication skills, with previous experience of customer facing activities.
- Previous experience of sourcing and purchasing materials to Rolls-Royce specifications, including exotic alloys and specialised components.
- Ability to cope in a highly dynamic development environment where changes in customer requirements are considered normal.
- Excellent skills in attention to detail and working to quality standards.
- Strong time management skills with the ability to effectively co-ordinate multiple projects.
- Ability to employ critical thinking, logic and reasoning to troubleshoot and solve problems.
- Any knowledge based in instrumentation of any nature would be very beneficial.  
(Strain Gauging, Thermocouples, Pressure tubes, UCTS, etc.)