

## CNC Programming Engineer

### Who are Permali?

Permali are an expanding company who are investing in the local community by opening a machine shop and creating 100 new jobs in the heart of Gloucester.

Since 1937 we've pushed the boundaries of material technology, solved challenging problems and, above all, kept people safe. Our advance materials are used across the world and across multiple industries. We've protected the Royal Navy and safeguarded Underground passengers. We've shielded NATO military convoys and reinforced commercial airline cockpits. Our dedication to precision and performance is constant whether providing the NHS with vital supplies in a crisis or making mission-critical materials for NASA. Decades of experience have taken us from helping the Spitfire to soar to keeping every F1 team on track. We've always risen to the challenge.

### The Role

An exciting time to join a fast-growing company where opportunities have arisen for CNC Programming Engineer working within the machine shop.

The primary role of the Engineer will be to create programs offline for a range of CNC machines utilising the CAD/CAM software available - this will include 3, 4, and 5 axis machining.

Ideally, the applicant will have a strong background in milling and/or turning operations gained from working on those machines in the past.

The Engineer will also be involved in providing technical input in terms of best machining practices and tooling options through liaising with operators, OEMs, vendors and various specialists to help improve current processes.

This needs to be done in consultation with the production supervisors and production manager.

### Benefits

- 34 days of annual leave, including Bank Holidays
- 3% Employer Pension Contribution
- Income protection scheme and Private medical cover
- Cycle to work scheme

### Required Skills

The following list is not exhaustive but rather indicates the areas of responsibilities the Engineer will be involved in:

- To create CAD/CAM models and efficient machining toolpaths for production requirements

- To create setting sheets for the shop floor detailing the machining operation requirements to aid the operators in setting the machines.
- To source and order tooling for the production team
- Assist in design and sourcing of specialised tooling and jigs and fixtures where required.
- Be hands on in the production environment and where necessary aid in the editing of programs directly on the machines to help optimise the processes
- To assist in maximising efficiency on each job by optimising production through improved machining methods, tooling, machine utilisation etc.
- To optimise material usage (including tooling), recycling or reusing materials wherever possible and minimising waste.
- To assist sales, technical departments and production managers in estimating costing of jobs and arranging the production of samples for the procurement of new business.

### **Responsibilities**

- Ensure any activities you carry out are done with Health and Safety criteria at the forefront – i.e ensure Safe Working Procedures, Risk Assessments and Lock out/Tag Out procedures are read and understood before operating any equipment on site.
- Raise any performance or H&S issues immediately with the shift leader or supervisor.
- Meet production and quality criteria on a daily basis.
- Ensure documentation is completed fully and accurately when performing any duties on the shop floor.
- Carry out quality checks on products and record the information accurately.
- Make suggestions on how to improve the processes in relation to production quality or manufacturing time.
- Maintain a high level of housekeeping standards in any area you operate
- Assist in training and mentoring new operatives and apprentices in that cell
- To carry out additional reasonable duties as required by business needs.

### **Skills & Abilities**

#### Qualifications and experience

- Experience working with CAD/CAM software
- Strong knowledge of machine tools and machining processes
- Knowledge of machining composite materials (desirable)
- Experience of working within a manufacturing environment.

- Experience of working in a target driven environment
- Experience using CMM machines (desirable)
- Ability to use standard measuring equipment (Vernier calipers, micrometers etc)

### **Personal Attributes**

- Good communication skills
- Good numeracy skills
- Quality Awareness
- Continuous Improvement focused
- Flexible
- Leadership qualities
- Proactive
- Health & Safety conscious

### **Permal is a part of the Diamorph Group**

Diamorph group supply advanced material solutions that ensure high performance and peace of mind in extremely demanding industrial applications and environments. The group consists of two manufacturing companies based in Manchester, United Kingdom, and Horni Briza, Czech Republic, with sales offices and staff in a further four countries.

The Diamorph group engages in development, manufacturing and sales of high-performance products in the areas of fire protection, high temperature process industries, transportation and industrial composites and the customers can be found in more than 60 countries.

**Like the sound of us? We're always interested in hearing from applicants who would love the opportunity to work with us. Please send us an email, attaching your current CV to [jobs@permali.co.uk](mailto:jobs@permali.co.uk) and we will get back to you as soon as possible.**