

## **CNC/PLC systems & software engineer (Machine control systems)**

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**The Company:** Wickman Coventry Ltd is an OEM Machine tool, design and manufacturing, organisation, now in its 95<sup>th</sup> year. We produce our specialised range Multi-spindle CNC and automatic lathes from our Coventry factory. This is an excellent opportunity to join a dynamic, ambitious and technology lead company with a diverse range of work on offer to a bright, enthusiastic individual.

### **The Job: CNC/PLC systems & software engineer (Machine control systems designer)**

You will be working on new and exciting projects, alongside the on-going development of existing product lines, responsible for the design & integration of Fanuc and Siemens CNC systems and Siemens PLC systems

You will be designing, implementing, updating & maintaining multi-axial (up to 28 axes/ 13 path) control systems and be a key part of the complete product development, suggesting new ideas and areas for improvement based on your experience.

For the right person, although not on a frequent basis, there will also be opportunity for some travel outside the UK, with engineers having travelled to, Europe, Americas & Asia previously.

During the first 12 months you will be working with & for a highly regarded engineer in machine tool control & automation. This will be a fabulous opportunity to learn from someone that has a lifetime of experience in this field. After the initial 12 months you will have the opportunity to lead a small team of machine tool electricians and wiremen.

**Reporting to the Managing Director your duties will include:**

Production and maintenance of electrical schematics and Bills of material based on an Electrical CAD system (WSCAD)

Developing control systems & software for up to 28 axis/13 simultaneous path control.

Integration of ancillary equipment on to our standard machine platforms

Working as part of a team including process engineers and mechanical designers to develop and prove machine operation.

Technical direction and management of the machine wiring team (Not administrative management)

Training of the machine wiring team to undertake basic commissioning tasks (software loading and configuration etc.)

Commissioning of machinery & training in machine operation

Produce manuals & technical documents relating to the machines control and operation

Maintain the necessary records for the technical file in respect of CE marking (Electrical Elements)

Implementation of design solutions/upgrades and add-ons to existing control designs

Liaison with external suppliers to ensure concept feasibility

Specification & procurement of systems to ensure they meet the design requirements

Liaise with clients and colleagues to ensure that the specification requirements are fully met

Supporting colleagues and customers with technical issues relating to the machine control

### **The applicant should have**

An enthusiasm for machine tool control systems.

Ability to work with minimum direction.

Either: A proven track record in CNC /PLC design & Applications

Or: An ability and willingness to learn (Over a year or so)

- The ability to communicate with all levels of personnel within the company, from shop floor to the MD.
- A willingness to “get stuck in” and a hands-on approach to do whatever is required to progress a project (e.g. Making wiring modifications, removing/refitting covers etc.).
- The knowledge and ability to understand the system designs that are already in use.
- Strong time and project management skills, with the ability to work on several projects simultaneously.
- Computer literate in MS packages

Advantageous but not required:

Experience of the following software packages:

- Siemens TiaPortal
- Siemens Starter
- Siemens Simatic Manager (to support older systems)
- Fanuc Ladder
- Fanuc Picture.

General knowledge of Siemens 840Dsl CNC and S7-PLC Systems

General knowledge of Fanuc 30 series CNC

Some experience of Electrical CAD Systems. WSCAD would be ideal.

### **Salary & Benefits**

Salary £35-£55,000 depending on skills/experience and ability

Benefits

Generous holiday entitlement

Contributory Pension scheme

Cycle to work scheme