



**MATRIX**  
GRINDING  
TECHNOLOGIES

MATRIX MACHINE TOOL (COVENTRY) LIMITED  
Unit 4, Spitfire Close  
Coventry Business Park  
Coventry  
CV5 6UR  
Telephone +44 (0) 2476 718886  
Fax+44 (0) 2476 678899

### **Control System Engineer**

Matrix is currently seeking a Control Systems Engineer.

The ideal candidate is to have good practical experience commissioning Siemens variable speed drives, Siemens PLC (STEP 7) and Siemens 840D CNC controls.

#### **REF: CSE2017**

**Company:** Matrix Machine Tool (Coventry) Ltd

**Location:** Coventry & Possibly some Overseas Travel Required

**Salary:** Competitive (Dependant on experience)

**Position Type:** Permanent

**Contract:** Full Time- (Working Hours: Monday - Thursday 7.30am - 4pm, Friday 7.30am - 3pm)

### **Responsibilities**

- Commission our range of CNC grinding machines.
- Measuring system calibrations and preparation of the machine for production trials.
- Loading of module data files, initial power on tests, drive calibration & drive tuning.
- Test of electrical control circuits & Test safety circuits.
- Load & Test of CNC system & HMI (Siemens 840D) & Load & Test digital drives (Mainly Siemens).
- Design of control circuits (hardware and software), for additional equipment test safety circuits.
- Functional Testing of the machine tool to product and contract specifications.
- Machine alignment & laser calibration.
- Provide Customer support.

**This position requires a well-motivated, confident Control System Engineer who can demonstrate the following;**

- Ability to read electrical, pneumatic and hydraulic circuit diagrams.
- Experienced with AC & DC control circuits (LV).
- Experienced with setup and commissioning of inverter drives & servo motors.
- Good working knowledge of actuators & sensors.
- Practical experience of fault finding on electrical, hydraulic and pneumatic systems.
- Have understanding and practical working knowledge of CNC machine tools.
- Experience of reading & writing PLC programs (STEP 7).
- Competent use of PC equipment, windows, office applications, STEP 7 and EPLAN.P8.
- Basic NC Programming experience (Siemens 840D experience advantageous).