

# Workshop Engineer (Forging)

Department	Advanced Forming Research Centre, Department of Design, Manufacture and Engineering Management ( <a href="http://www.strath.ac.uk/engineering/designmanufactureengineeringmanagement/">www.strath.ac.uk/engineering/designmanufactureengineeringmanagement/</a> )		
Faculty	Faculty of Engineering ( <a href="http://www.strath.ac.uk/engineering/">www.strath.ac.uk/engineering/</a> )		
Staff Category	Technical Services	Reference No	317037
Reports To	Engineering Services Manager, through Workshop Manager	Grade:	6
Salary Range:	£28331 - £31866	Contract Type:	Open Contract
FTE	1 (35 hours/week)	Closing Date	18/09/2020

## Job Advert

The University of Strathclyde in Glasgow possesses a large internationally rated Engineering Faculty with a proud history of successful joint ventures with industrial and enterprise partners. As part of the University's strategic development the Advanced Forming Research Centre (AFRC) has been established at Inchinnan near Glasgow's International Airport in partnership with multi-national companies such as Rolls-Royce and The Boeing Company. The AFRC is the embodiment of over £30 million collaborative investment by Industrial, Academic and Government partners to establish a world leading research facility for forging and forming technologies.

The AFRC are seeking to appoint 2 Workshop Technicians to support the operation of specialised equipment within its workshops. You will be primarily responsible for the set-up, operation and maintenance of machine shop equipment used in relation to delivering industrial and academic research programmes.

To be considered for this role you will be educated to a minimum of HNC level, or equivalent; or with relevant work experience. You will have knowledge and expertise in the use of CNC equipment; including: setting, programming and operation, and be able to interpret engineering drawings. You will have excellent troubleshooting skills, including a methodical approach to solving complex problems, with limited guidance. You will have an ability to work autonomously, prioritising and coordinating your own workload and making decisions with minimum supervision in order to meet project deadlines and you will have the ability to work as part of a multi-disciplinary team.

Experience of supporting production, and research and development manufacturing requirements is highly desirable.

## Job Description

### Brief Outline of Job:

Reporting through the Workshop Manager and Engineering Services Manager, you will be responsible for supporting the AFRC workshop activities in relation to delivering industrial and academic research programmes. The role will be focussed on the setup, operation and maintenance of the AFRC CNC forging and forming equipment and related manufacturing and research activities.

### Main Activities/Responsibilities:

1.	Programme, operate and maintain a wide range of CNC equipment, and set up AFRC workshop equipment as defined by the Workshop Manager and Engineering Services Manager.
2.	Carry out tests and experiments according to guidelines, and record, analyse and provide results in a relevant manner to meet industrial and academic research programmes.
3.	Formally demonstrate, instruct and advise on equipment techniques, to Manufacturing Engineers, Researchers and Apprentices

4.	Ensure all health and safety aspects are addressed within the workshop area, including identification, containment and disposal of hazardous waste.
5.	Oversee the activity of other AFRC staff while they are carrying out tasks within the workshop area. Ensure health and safety regulations are adhered to and advise users accordingly.
6.	Train AFRC staff and apprentices in relevant workshop techniques.
7.	Undertake other appropriate duties as requested including working with production drawings, maintaining operation cell to 5S standard, responsible for health and safety within relevant areas of workshop environment.
8.	Work with the AFRC and NMIS engineering team, research staff, industrial partners and others to ensure appropriate workshop support for research programmes is provided
9.	Prepare and produce risk assessments, COSHH assessments, produce and complete planned preventive maintenance (PPM) records for workshop equipment.
10.	Maintaining material handling procedures in line with the AFRC quality control procedures.
11.	Adhere to quality procedures, input to the development of quality procedures and support audits within the centre to ensure compliance to ISO accreditations.

## Person Specification

### Educational and/or Professional Qualifications

(E=Essential, i.e. a candidate must meet all essential criteria to be considered for selection, D=Desirable)

E1 Minimum of HNC in a relevant subject or equivalent relevant work experience

D1 Completed an apprenticeship in engineering or manufacturing field

### Experience

E2 Experience of working autonomously and coordinating own workload to meet project deadlines, with minimum supervision.

E3 Experience of using initiative and making decisions with limited guidance from a supervisor.

D2 Experience of supporting production or research and development manufacturing requirements

D3 Experience of working within a forging or forming environment

### Job Related Skills and Achievements

D4 An ability to manage, operate and maintain a workshop environment

E4 Excellent communication and interpersonal skills, with an ability to interact with a range of stakeholders, from industry and academia

E5 An understanding of Health and Safety regulations and procedures and relevant equipment operation

D5 Experience of setup, operation and maintenance of power presses, clear understanding of health and safety regulations relating to power presses

D6 Experience of automation or robotics; operation, programming, setup

D7 Experience in heat treatment processes

### Personal Attributes

E6 Hard working and self-driven, with a positive attitude to continuous improvement, eg 5S, Lean.

### Other Relevant Factors

D8 Current counterbalance forklift licence

## Application Procedure

Applicants are required to complete an application form including the name of three referees who will be contacted before interview without further permission, unless you indicate that you would prefer otherwise. Applicants should also submit a Curriculum Vitae and a covering letter detailing the knowledge, skills and experience you think make you the right candidate for the job. Applicants should also complete the Equal Opportunities Monitoring Form.

## Other Information

Further information on the application process and working at Strathclyde can be found on our website (<http://www.strath.ac.uk/hr/workforus>).

Informal enquiries about the post can be directed to Stephen Michie, Workshop Manager ([stephen.michie@strath.ac.uk](mailto:stephen.michie@strath.ac.uk) / 0141 534 5258).

### Conditions of Employment

Conditions of employment relating to the Technical Services staff category can be found at: [Conditions of Employment](#).

### Rewards and Benefits

Our staff have access to a wide range of outstanding benefits that include financial rewards, family friendly and wellbeing benefits and career development opportunities, details of which can be found [here](#).

### Probation

Where applicable, the successful applicant will be required to serve a 9 month probationary period.

### Pension

The successful applicant will be eligible to join the Universities' Superannuation Scheme. Further information regarding this scheme is available from [Payroll and Pensions](#).

### Relocation

Where applicable, the University offers a relocation package to support new employees who meet the eligibility criteria. The relocation package is offered as a contribution towards costs incurred, and is designed to be flexible, allowing staff to use the financial support available in the way that will be most helpful to them. Further details are outlined in the Relocation Policy.

### Interviews

Formal interviews for this post will be held – details to be confirmed.

### Equality and Diversity

We value diversity and welcome applications from all sections of the community.

The University currently holds a Bronze Athena SWAN award, recognising our commitment to advancing women's careers in science, technology, engineering, maths and medicine (STEMM) employment in academia.

### University Values

The University's Values capture what we're all about: who we are, what we believe in and what we stand for. [Our Values](#) have been derived from how we act and how we expect to be treated as part of Strathclyde.

