

# Workshop Technician (Forging)

Department	Advanced Forming Research Centre, Department of Design, Manufacture and Engineering Management ( <a href="http://www.strath.ac.uk/dmem/">www.strath.ac.uk/dmem/</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	Workshop Manager	Grade:	6
Salary Range:	£28,331 - £31,866	Contract Type:	Open Contract
FTE:	1 (35 hours/week)	Closing Date	Sunday, 4 July 2021

## 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 a Workshop Technician 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. A background in forging and forming or heavy industry experience would be advantageous.

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 experience in using industrial equipment, forging experience would be beneficial. Training will be provided for specific equipment but experience and knowledge in these disciplines are required. You will have excellent troubleshooting skills, including a methodical approach to solving complex problems, with limited guidance. You will have an ability to work 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 Coordinator 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 operation of the AFRC forging and forming equipment and related manufacturing and research activities.

### Main Activities/Responsibilities:

1. Set, operate and maintain a wide range of forging and forming equipment. Undertake additional training on presses and furnaces as defined by the Workshop Coordinator and Engineering Services Manager.
2. Conduct forging and forming operations with support of research staff as defined by Workshop Manager and team lead, to meet customer specification and timescales.
3. Resolve routine work problems independently, referring more complex problems to senior technical colleagues.

4.	Formally demonstrate equipment techniques, to Manufacturing Engineers and Researchers
5.	Providing factual information and assistance on forging and forming techniques and process improvements to staff across the AFRC
6.	Ensure Health and safety regulations are adhered to and advise users accordingly.
7.	Responsible for safe operation of all workshop machinery within the bounds of university and HSE regulations. Ensure all health and safety aspects are addressed within workshop area.
8.	Support other Technicians with risk assessments, COSHH assessments and complete planned preventive maintenance (PPM) records for workshop equipment.
9.	Undertake other appropriate duties as requested and workshop H&S duties.
10.	Work with the AFRC engineering team, research staff, industrial partners and others to ensure appropriate workshop support for research programmes is provided. Ensure equipment is available and functional to enable workshop to run successfully.
11.	Maintain accurate records of test/experiments/technical procedures.

## 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 undertaking a range of technical support activities with limited supervision/line management involvement

E3 Ability to manage, operate and maintain a laboratory/workshop environment. Experience working with power presses or other industrial machinery.

E4 Experience of working autonomously and coordinating own workload to meet project deadlines, with minimum supervision.

E5 Experience of using initiative and making decisions with limited guidance from a supervisor.

D2 Experience in setting up power press tooling and machine control panels and recording results where necessary.

D3 Experience of supporting production or research and development manufacturing requirements

E6 Experience of working within a forging or forming environment or heavy industry.

### Job Related Skills and Achievements

D4 Knowledge of open and closed die forging processes

D5 An ability to manage, operate and maintain a workshop environment

E7 Excellent communication and interpersonal skills, with an ability to interact with a range of stakeholders, from industry and academia

E8 An understanding of Health and Safety regulations, procedures, and relevant equipment operation.

### Personal Attributes

E9 Hard working and self-driven, with a positive attitude to continuous improvement, e.g. 5S, Lean.

E10 Team player who can engage in positive discussions to problem solve with others

### Other Relevant Factors

D6 Current counterbalance forklift licence

D7 Trained in lifting and slinging

D8 Trained in Automation

## Application Procedure

Applicants are required to complete an application form including the name of two referees who will be contacted before interview without further permission, unless you indicate that you would prefer otherwise. 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 Coordinator (Stephen.michie@strath.ac.uk / 0141 534 5258).

### 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](#).

### Conditions of Employment

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

### Probation

Where applicable, the successful applicant will be required to serve a 6 month probationary period.

### Pension

The successful applicant will be eligible to join the Local Government Pension Scheme (LGPS) in Scotland. 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.

### 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.

