Candidate Information

Position: Manufacturing Technician CNC Machining
School/Department: BRCD AMIC
Reference: 25/112604
Closing Date: Monday 30 June 2025
Salary: £30,948 - £35,942 per annum
Anticipated Interview Date: Tuesday 5 August 2025
Duration: 3 Years

JOB PURPOSE:

We are seeking a highly motivated Manufacturing Technician to work in AMIC's CNC Machining team to support projects being delivered as part of AMIC's advanced manufacturing activities.

AMIC is a £100M investment through the Belfast Region City Deal - a collaborative, innovative powerhouse of advanced manufacturing set to elevate our region globally.

We are supporting economic growth and prosperity for Northern Ireland by creating high quality jobs and increasing inward investment through high value manufacturing innovation clusters.

We are driving industrial transformation, paving the way for future technologies and competing globally with a more sustainable focus.

Our experienced staff team has core capabilities in digitalising manufacturing, smart design, sustainable polymers & composites and nanotechnologies & photonics. We're excited to be expanding the team throughout 2025.

We are seeking a manufacturing technician who can support CNC Machining projects being delivered as part of AMIC's advanced manufacturing activities. You will assist with workshop-based research and development activities and apply your knowledge and experience to ensure outputs which will have a direct economic and technical benefit to AMIC and our partner companies. You will work collaboratively with the CNC Machining team, wider AMIC team and industry partners to help deliver key projects focused on advanced manufacturing.

MAJOR DUTIES:

1. Operate the CNC machines to manufacture complex high precision component parts (utilising modern CNC production processes) in support of engineering excellence.
2. Inspection of part features using a range of digital inspection equipment.
3. Performing preventative maintenance tasks including:
   a. Keeping machines clean
   b. Cycling machinery when not in use
   c. Topping up oils and coolant
   d. Emptying swarf bins.
4. Support the Engineering team in the development of new or improved engineering methods of manufacture.
5. Develop work instructions and standardise processes to be followed by all trained personnel to ensure the machines are operated safely and effectively.
6. Maintaining a clean and tidy workshop.
7. Construction and assembly of apparatus off-site, if required.
8. Any other duties which are appropriate to the post as may be reasonably requested by Supervisor.

ESSENTIAL CRITERIA:

1. OND/ONC and/or NVQ level 3 or above (or equivalent standard) in a relevant engineering discipline and/or a recognised, apprenticeship completed in an engineering environment OR lower qualifications with significant and relevant industrial experience.
2. Two years (post apprenticeship) experience in a high precision manufacturing environment which should include:
   a. Operating CNC lathes and/or CNC Milling Machines
   b. Ability to set up parts to run on a CNC machine tool including:
   (a) Loading CNC programs
   (b) Loading tools and associated parameters
   (c) Setting datums on the workpiece
   (d) Making minor program and setup adjustments as required.
   c. Using manual measuring equipment including dial test indicators, micrometres and vernier callipers.
3. Demonstrable analytical skills with a proven track record in solving engineering related problems.
4. Strong IT skills (Microsoft Word, Microsoft Excel).
5. Good communication and interpersonal skills with an ability to work well in a team and on own initiative.
6. Ability to prioritise own work to meet deadlines.
7. Ability to think logically and formulate plans to solve problems.
8. Willing to gain experience and learn new skills and techniques.
9. Ability to forming good working relationships with other AMIC staff and external collaborators.

DESIRABLE CRITERIA:

1. HNC/HND or equivalent in a relevant engineering discipline.
2. Health & Safety qualifications.
3. Demonstrable experience of:
   - Operating Advanced Multi Axis/Spindle Mill Turn CNC machinery.
   - Computer Aided Manufacturing software. - e.g. Catia V5, Siemens NX, Mastercam, Hypermill or EdgeCAM.
   - Off-line CNC programming.
4. Knowledge of CNC Control Systems Functions. – e.g. Siemens 840D or Fanuc.

ADDITIONAL INFORMATION:

Informal Enquiries to Denise Price: d.price@qub.ac.uk