Candidate Information

Position:	Manufacturing Technician - Metrology
School/Department:	BRCD AMIC
Reference:	25/112874
Closing Date:	Monday 13 October 2025
Salary:	£32,186 - £36,912 per annum
Anticipated Interview Date:	Wednesday 22 October 2025
Duration:	3 years

JOB PURPOSE:

We are seeking a highly motivated Manufacturing Technician to work in AMIC's Metrology 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 launch team of over 60 staff has core capabilities in digitalising manufacturing, smart design, sustainable polymers & composites and nanotechnologies & photonics. We're excited to be expanding the team throughout 2025 and beyond.

We are seeking a manufacturing technician in the area of industrial metrology, inspection and quality who can support project delivery as part of AMIC's advanced manufacturing activities. The successful candidate will assist with workshop-based research and development activities and apply knowledge and experience to ensure outputs which will have a direct economic and technical benefit to AMIC and our partner companies. The successful candidate will work collaboratively with the Metrology team, wider AMIC team and industry partners to help deliver key projects focused on advanced manufacturing.

MAJOR DUTIES:

1. Use of a range of inspection equipment such as traditional Coordinate Measurement Machines (CMMs), portable CMMs, laser tracker, 3D profilometers, microscopy, hardness testing and other automated and hand-held measurement systems and devices as well as new measurement systems including NDT and lab-based testing equipment.
2. Creation of inspection plans and programmable measurement routines.
3. Inspection of part features using a range of digital inspection equipment and compilation of inspection reports.
4. Maintain inspection equipment and perform routine health checks. Liaise with external maintenance and calibration providers to ensure inspection equipment adheres to pre-defined calibration schedules.
5. Support the Engineering team in the development of new or improved methods of inspection and quality control.
6. Support students and post-doc researchers in the development of measurement methodologies and the correct use of measurement devices.
7. Be familiar with and maintain standard operating procedures for inspection equipment.
8. Transfer of portable inspection equipment and provision of inspection services at off-site customer locations, if required.
9. Any other duties which are appropriate to the post as may be reasonably requested by the 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. Post apprenticeship experience in lab/manufacturing environment which should include:
   a. Experience in the use of inspection equipment and software
   b. Creation of inspection plans, measurement routines and fixturing techniques
   c. Demonstrable knowledge of quality procedures, processes and techniques in relation to modern quality and inspection best practice.
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 students, staff and external collaborators.

DESIRABLE CRITERIA:

1. HNC/HND or equivalent in a relevant engineering discipline.
2. Experience using Computer Aided Inspection software for off-line programming of inspection devices e.g. PCDMIS
3. Experience with Statistical Process Control (SPC) software e.g. Minitab
4. Demonstrable evidence of delivering projects to agreed deadlines and within budget.
5. Computer aided design experience e.g. SolidWorks
6. Awareness and experience in geometric dimensioning and tolerancing
7. Lab experience using non-destructive testing equipment
8. Health & Safety qualifications.
9. Knowledge of COSHH procedures