

## Candidate Information

**Position:** Manufacturing Technician Metrology  
**School/Department:** AMIC  
**Reference:** 25/113016  
**Closing Date:** Monday 15 December 2025  
**Salary:** £32,186 - £36,912 per annum  
**Anticipated Interview Date:** Friday 9 January 2026  
**Duration:** 3 years

We are seeking a highly motivated Manufacturing Technician to work in AMIC's Industrial 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 70 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.

### JOB PURPOSE & IMPACT:

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 Industrial 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. Experience in 3D metrology, inspection or quality control in a manufacturing environment which should include:

- Technical knowledge and application of fundamental metrology principles.
- Proficiency in GD & T, interpretation of engineering drawings and definition of inspection plans.
- Demonstrable experience in measurement of a range of manufactured products.
- Breadth of experience across a range of advanced inspection equipment and software for 3D measurement, including programming and debugging of automated routines.
- Compilation of reports from inspection data.

**OR**

3. Experience of a range of at least 2 of the following:

- Non-Destructive test methods.
- Inspection and evaluation of defects in components or welds.
- Metallurgical analysis.
- Surface metrology.
- Mechanical testing.

4. Instruments management and care (cleaning and first level maintenance, verification, documentation) ensuring that instruments are kept in operational condition.

5. Strong IT skills (Microsoft Word, Microsoft Excel).

6. Demonstrable logical and analytical skills with a proven track record in solving engineering related problems.

7. Ability to prioritise own work to meet deadlines.

8. Ability to form good working relationships with students, staff and external collaborators.

9. Good communication and interpersonal skills with an ability to work well in a team and on own initiative.

10. Strong interest in new technologies and willingness to learn new skills and techniques.

**DESIRABLE CRITERIA:**

1. HNC/HND or equivalent in a relevant engineering discipline.

2. Qualification(s) / certification(s) in metrology / dimensional measurement / NDT from a recognised institution.

3. Recent hands-on experience in a metrology or inspection role, and practical engagement with advanced metrology equipment within the last 2-3 years.

3. Recent hands-on experience in a metrology or inspection role, and practical engagement with advanced metrology equipment within the last 2-3 years.

5. Computer Aided Design and Reverse Engineering experience e.g. SolidWorks, Siemens NX, PolyWorks or other.

6. Demonstrable knowledge of quality procedures, processes and techniques in relation to modern quality and inspection best practice.

7. Experience using non-destructive testing equipment.

8. Experience with Measurement Systems Analysis (MSA) and Statistical Process Control (SPC) software.

9. Awareness and experience in geometric dimensioning and tolerancing.

10. Health & Safety qualifications.

11. Knowledge of COSHH procedures.