

DEVELOPMENT ENGINEER

Nu Instruments is a small-scale manufacturer of bespoke and semi-bespoke high-end mass spectrometers supporting a range of applications including geophysics/geochemistry research, materials science, quality assurance and the nuclear industry. We are currently recruiting for an Electronics Design Engineer.

KEY RESPONSIBILITIES

Duties:

- Develop and continuously improve systems in terms of performance and lean manufacturing to meet market needs.
- Oversee design and build documentation for newly developed products and improvements
- Assist in instrument software and firmware development in conjunction with Application scientists and customers
- Assist and support the Test department where required
- Troubleshooting and problem-solving
- Maintaining and modifying existing systems
- Working collaboratively with design engineers, electronic engineers, purchasers and other internal staff
- Liaising with clients, suppliers, contractors and relevant authorities (e.g. External compliance agencies etc)
- Project management within cost and time constrained environments.

Responsibilities

- Adherence at all times to the published Company Procedures
- Maintain a safe working environment for yourself and others at all times
- To understand and comply with the Company's Quality Statement
- To meet deadlines, with regard to development of products
- To carry out any other duties as may reasonably be requested by the Company
- Maintain the Company image, when representing the Company
- To ensure the working area is kept clean, tidy and organised

Skills and Knowledge

- Knowledge of Software / Firmware desirable
- Good understanding of Electrical / Electronic systems
- Practical Scientific Instrumentation/Mass Spectrometry knowledge

REQUIREMENTS FOR CONSIDERATION

TITLE

AMETEK is a leading global manufacturer of electronic instruments and electromechanical devices with annual sales of approximately \$5.5 billion.

COMPANY : **AMETEK**

Publicly traded on the NYSE since 1930 and a component of the S&P 500, AMETEK has over 18,500 colleagues at more than 150 operating locations in 30 countries around the world. Our mission is to solve our customers' most complex challenges with differentiated technology solutions. AMETEK's Growth Model combines four strategies: Operational Excellence, Strategic Acquisitions, Global & Market Expansion, and New Product Development.

Our core values — ethics, integrity, respect for the individual, diversity and inclusion, teamwork and social responsibility — are essential to doing business the right way. AMETEK believes that a diverse workforce and an inclusive environment are critical to the continued growth and success of the company. We seek to hire, develop, and retain individuals who embrace and thrive in our performance-based, entrepreneurial culture. We are united by our common spirit of collaboration, creativity, and innovation, backed by the power of a large, global company.

To learn more about working at AMETEK, visit <http://careers.ametek.com>

BUSINESS UNIT :
NU INSTRUMENTS LTD

Founded in 1995, Nu Instruments has established itself as a market leader in Inductively Coupled Plasma Mass Spectrometry (ICP-MS), Glow Discharge Mass Spectrometry (GD-MS), Isotope Ratio Mass Spectrometry (IRMS), Thermal Ionisation Mass Spectrometry (TIMS) and Noble Gas. Our high-end mass spectrometers are analytical instruments used to characterise the isotopic or elemental composition of various samples, providing precious information such as the history, the age, the provenance or the purity. Nu's innovating mass spectrometers are installed worldwide in academia, governmental and industrial research labs, and serve a wide range of applications such as: determining isotope ratios in various geological samples to provide datation data, creating elemental images of biomedical or geological samples, measuring isotope ratios to determine the provenance, origin of food samples, measuring nanoparticles size and determining the purity of a material.

All our instruments are designed, assembled and tested on site in our factory.

Nu joined the Materials Analysis Division of AMETEK in 2016. Nu's head office, manufacturing facility and labs are located in North Wales, UK.