

Aqua-Gas Manufacturing Limited is part of the AVK Group; market leaders in the supply of valves, fittings and flow control equipment to the Water, Waste Water, Oil, Gas and Fire Protection industries throughout the world.

A vacancy has arisen for an experienced Production Engineer based at our premises in Corby, reporting to the Operations Manager.

**Brief Overview:**

The main purpose of the role is to be responsible, technically, for all products made at Aqua-Gas Manufacturing Limited and to drive the introduction of new products into production. Also responsible for AGMC production changes/updates due to lean, innovation, quality reasons.

**The primary tasks include, but are not limited to:-**

1. To drive the introduction of new products and prototypes, arrange manufacture of samples, carry out design and arrange manufacture of jigs, fixtures, test rigs and production line workflow, assist with product testing/evaluation at the type test stage, assist with 'O' series batch runs & assist with supply chain setup of new products.
2. Developing manufacturing methods and deliver new products into production.
3. Challenge the 'norm' and deliver continuous improvement, operational excellence and LEAN improvements incl. introduction of alternative manufacturing techniques, layout changes & automation.
4. To work on lean initiatives in the business in order to remove waste from all processes.
5. Assist with the introduction of new equipment, processes and projects into the facility

**Qualifications and skills:**

The successful applicant will hold formal qualifications in English, Maths and as a minimum a recognised engineering qualification to HNC/HND level or equivalent, as well as having excellent communication skills and meticulous working practices. Experience of Solidworks CAD with regards to product & production engineering would be beneficial

Please apply in writing, including full C.V. to:

Emily Bryan – HR Advisor  
Email: [careers@avkuk.co.uk](mailto:careers@avkuk.co.uk)



The AVK UK group of companies is part of the globally renowned AVK group who are based in over 90 countries and known as one of the leading innovators and manufacturers of high-quality valves and fittings for the water, wastewater and gas industries worldwide.

<b>Job Title</b> Production Engineer	<b>Department</b> Technical
<b>Reporting to</b> Simon Goode – Operations Manager	<b>Responsible for</b> Technical aspects of all AGMC manufactured products & production methodology
<b>Other Working Relationships</b> Internal: Directors, Managers and other staff as required. External: Other AVK Companies, suppliers, customers	
<b>Main purpose of the job</b> To be responsible, technically, for all products made at Aqua-Gas Manufacturing Limited and to drive the introduction of new products into production.  Technically responsible for AGMC product & production changes/updates due to lean, innovation, quality reasons.	

**Responsibilities/Duties**

1. To drive the introduction of new products and prototypes, arrange manufacture of samples, carry out design and arrange manufacture of jigs, fixtures, test rigs and production line workflow, assist with product testing/evaluation at the type test stage, assist with ‘O’ series batch runs & assist with supply chain setup of new products.
2. Developing manufacturing methods and deliver new products into production.
3. Challenge the ‘norm’ and deliver continuous improvement, operational excellence and LEAN improvements incl. introduction of alternative manufacturing techniques, layout changes & automation.
4. To work on lean initiatives in the business in order to remove waste from all processes.
5. Assist with the introduction of new equipment, processes and projects into the facility
6. Develop processes and technology to improve the products in terms of quality and cost.
7. To help re-engineer cost out of the products from within internal processes/product design and externally through the supply chain.
8. To have the responsibility for all the products manufactured at AGMC with respect to:
  - o Local project management for AGMC of new products being introduced in accordance with company PRF/PCF system including due consideration of interfacing with applicable OEMS (e.g. Rotork actuators, gearboxes).
  - o Produce work instructions for the production operatives for all AGMC manufactured products.
  - o Technical support on AGMC products (internally and externally).



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- Assist QA with root cause analysis of customer complaints which may necessitate site visits, (co-ordinated with Technical Manager – Water), and recommend corrective and preventative action to prevent re-occurrence.
  - Monitor national standards/specifications with representation on committees if applicable, (co-ordinated with Technical Manager – Water).
  - Participate in innovation days with customers to highlight new products/improvements, (co-ordinated with Technical Manager – Water).
  - Technical training of both manufacturing and sales personnel to cover the technical aspects of the product including benchmarking of AVK products vs the competition, (co-ordinated with Technical Manager – Water).
  - Supply technical data for AGMC product to AVKUK for all marketing data (data sheets, O&Ms, Presentations, Brochures, etc.).
9. To assist in quick turnaround of item cards, BOMs, drawings for product variants (POF) based on existing product offer for manufacturing.
  10. To support the QA department, if and when required, with sample authorisation and NCR's.
  11. To manage and monitor Technical Master Data in line with the AVK Logical Number System including items, descriptions, BOMs, drawings, data sheets and operating and maintenance instructions.
  12. To carry out critical competitor product evaluation compared to the AVK offer considering National standard and specification requirements.
  13. Ensure you show regard for your fellow colleagues.
  14. Ensure all company procedures are followed at all times.
  15. Ensure health and safety regulations are adhered to at all times.

The above is not an exhaustive list of duties and you will be expected to perform different tasks as necessitated by your changing role within the organisation and the overall business objectives of the organisation.



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	<b>Essential</b>	<b>Desirable</b>	<b>Identified by?</b>
Qualifications	HNC/HND qualification in engineering	Graduate (Engineering)	CV At Interview
Skills/Attributes	Be a team-player, a natural planner and have an ability to work under pressure.  Hands on with bench/ machining skills		At Interview References
Knowledge	Technical and Engineering process knowledge.  Adept in use of MS Office 2007 or later, particularly Excel, Word and Outlook		CV Application From At Interview References
Relevant Experience	Production Engineering in assembly environment.  CAD  Working to tight deadlines	Solidworks CAD system. Water / Gas valve / hydrant manufacture.  Product Design	CV Application Form At Interview References
Personal Qualities	Self motivated, able to work on own initiative. Keen for new experience, responsibility and accountability.  Must be a completer/finisher with an eye for detail.  Able to work at a high pace with a determination to meet deadlines. Reliable, determined and strong communicator.	Ability to motivate and provide support	At Interview References
Appearance/ Disposition	Well presented and businesslike. Comfortable in dealing with personnel of all levels.		At Interview References
Special Circumstances	Clear (or near clean) driving licence and be sufficiently mobile and flexible to travel to other sites when required.  Able to work extended hours on occasions when required.		At Interview References



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