Job Description

Title: Welding Engineer

Company: G.W. Lisk Co. Inc.

Reports To: VP of Engineering

Department: Engineering

Job link: https://uscareers-gwlisk.icims.com/jobs/1543/welding-engineer---early-career-opportunity/job

GW Lisk

GW Lisk engineers create actuator, valve and sensor products designs for demanding applications in space, aerospace, medical, industrial and heavy duty vehicle and equipment markets. Our team of exceptionally talented people engages our customers to tailor and optimize a product to meet their specific needs. We do this work in a dynamic, collaborative and fun environment. We provide a supportive atmosphere for maintaining a healthy balanced lifestyle and are committed to assisting our employees in their career development.

General Responsibilities:

Responsible for engineering and process control for all welding processes including certification of welders and weld inspectors for compliance with aerospace and automotive standards.

Specific Duties:

- Provide technical support and troubleshooting for all welding, brazing and heat treat activity (Electron Beam, Laser, GTAW, GMAW, PAW, Resistance, Brazing-torch, induction, furnace, Bright Hardening)
- Establish and update in-house engineering and process specifications for welding and heat treating
- Research, maintain, and develop material standards as well as metal selections that meet requirements
- Participate in design activity of new products, document and recommend best practices for joint design
- Train and certify welders, weld/braze operators and weld/braze inspectors to AWS D17.1/AWS B2.2, and maintain current certifications and activity records
- Establish, maintain, review and approve all welding procedures, PQR’s and supporting qualification documents
- Maintain furnace compliance to AMS2750
- Lead and participate in NADCAP welding audits
- Provide metallurgical support (sectioning, mounting and polishing, microhardness) for manufacturing, monthly Chord samples, and monthly Nickel plating hardness testing
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• Direct and support product failure issues associated with metals and weldments and customer returns
• Review all external material testing and ensure results fall in specifications
• Investigate product/process/equipment improvements, including developing a technology roadmap for the metallurgical lab
• Purchase and maintain required lab supplies for cutting and polishing samples in the metallurgical lab and at satellite sample preparation areas throughout all facilities
• Own and maintain Keyence scope and other metallurgical analysis equipment
• Create monthly report for all activity and review with VP of Engineering
• Maintain AWS CWI License (Certified Welding Inspection License)
  o Attend required training
  o Attend Welding/fabrication tradeshow

Qualifications:

• Degree in Welding Engineering (preferred) or Material Science with minimum 5 years of experience in welding manufacturing environment.
• Demonstrate strong interpersonal, communication and presentation skills.
• Experience in plating and metal finishing a plus.