Location: Auburn Hills, MI

Description:

The Weld Engineer will provide support to and collaborate with product development, manufacturing weld process and materials engineers in defining lightweight, corrosion-resistant and volume production robust weld joints through proper selection of processes, materials and definition of associated part geometry

- Develop and oversee laboratory tests in support of product design development, evaluation of new welding technologies, approval of new material substrates and weld-ability evaluation of sealers, adhesives, oils, lubricants, washes, drawing compounds and pre-phosphates
- Maintain corporate engineering design and process standards that govern resistance welding, including spot welding, projection fastener welding, projection component welding, drawn arc welding, resistance tube welding, resistance slug welding, resistance braze welding, resistance wire welding, and hot-upsetting

Responsibilities include but not limited to:
- Remain abreast of emerging welding technologies through literature research and participation in industrial technical consortia activities
- Provide technical consultation to Engineering, Purchasing, Manufacturing and corporate supply base with respect to pre-production and volume production builds
- Provide assistance in product root cause analysis by leveraging the Materials Engineering laboratory via test request generation and data analysis
- Assist in the identification and initiation of corrective actions

Requirements:

**20% On-Site**

- Bachelor of Science degree in Welding, Metallurgical, Mechanical or Electrical Engineering from an ABET accredited university
- 1+ years relevant welding or metallic materials engineering experience
- Technical expertise and related experience in applying metallic materials or welding science - resistance welding
- Excellent communication, organizational and presentation skills
- Strong leadership abilities, multitasking ability and problem solving skills
- Ability to meet deadlines and a "can-do" attitude

Preferred Qualifications:

- Master of Science or greater degree in Welding, Metallurgical, Mechanical or Electrical Engineering from an ABET accredited university
- 1+ years relevant welding engineering experience
- Experience in application and correlation of resistance weld process modelling software (e.g., SORPAS)
- Practical manufacturing welding experience – spot welding
- Production or development experience with arc welding, laser welding, brazing, soldering or solid-state joining methods
- Product design engineering experience
About this job:

- This is a full time, contract job opening in the Materials Engineering group for a welding engineer.
- The boss has opened the door for a new grad for this position (BS, MS, or PhD) or an experienced welding engineer alumnus.
- It is not a factory floor job and also not a primary research job.
- Mark Fistler is the hiring manager.

How do I apply?

- Send your resume to Mark Fistler and/or Joe Beckham.

Joe Beckham
joe.beckham@stellantis.com

Mark Fistler
mark.fistler@stellantis.com