Automotive Welding Engineer

Description:

Position Summary:
The Engineer - EEG will perform a variety of multi trade functions, such as the installation, maintenance or repair of equipment, machinery, and facility. Duties include troubleshooting, repair, installation, and replacement of components, basic design, simple fabrication, adjustment, rebuilding, welding, etc.

- Owning end-to-end process of new equipment beginning with understanding needs from production, creating designs to fit those needs, managing costs, and ordering final components with design specifications
- Primary focus is in the weld area, with an emphasis on the laser beam welding cells and the associated Motoman MIG cells.
- Improving legacy production processes by implementing poka-yoke fixtures and increasing quality, efficiency, and safety of team members
- Collaborating cross-functionally with engineering and maintenance teams to align on plans to install, maintain, and upgrade production equipment
- Implementing new software and equipment modifications to help improve processes on the plant floor

Essential Functions:
• Basic knowledge of and understanding in:
  • Electrical Power. (Proper wire size for current, amps, Volts, AC, DC,).
  • Hydraulic Power. (Cylinders, Valves, proper oil understanding force as applied).
  • Air Power (Cylinders, Valves Mufflers and other air components).
  • PLC (ladder logic control and functions as pertains to machine operation.)
  • Knowledge of light curtains and other safety devices to maintain a safe work environment.
  • Knowledge of repair and replacing test cables.
  • Making recommendations for suitable substitutes on operational components.
  • Read blueprints, engineering sketches or designs; recognize and interpret details as well as slight variations in objects and use analytical skills.
  • Must keep accurate written records for the ordering of replacement parts and part quantities. Supply manufactures book, drawing and spare parts to maintenance for proper ordering and Pm schedules for equipment.
  • Regularly inspect and adjust manufacturing equipment as a result of communication with the operators or production supervisors.
  • Work with rigging and scaffolding, using ropes, chains, cables, hoists, jacks and lift trucks to move heavy equipment.
  • Ability to operate powered hand tools is a must, and the ability to operate stationary machine tools is a plus. The technician will occasionally perform welding and cutting torch operations.
  • Use precision measuring instruments, and understand how things fit and work together.
  • Must be able to effectively communicate on issues such as scope of work, completion schedules, problems, solutions, materials or parts required, etc.
  • Perform other duties as required and assigned.

Skills:
PLC Programming, Manufacturing Operations, process engineer, Welding engineering, welding, manufacturing engineering

Additional Skills & Qualifications:
MUST HAVE
• High school education or GED required.
• Must have advanced skills in electrical/mechanical troubleshooting and repair of automated equipment.
• Experience with machine tools and/or welding
• Knowledge of weld conditions and robotic welding and designing fixtures for weld cells
• Minimum 1-2 years experience in industrial, commercial, or military maintenance environment. (internship/co-op will count towards experience)

Nice to Have
• Two year Technical Degree, electrical certificate
• Experience with Solid Works programming a plus.
• Extended knowledge with the use and operation of programmable logic controllers, along with writing/installing and troubleshooting ladder logics.

Experience Level:
Entry Level

If interested, please contact Caleb Cripe at (614)874-1388 or at ccripe@actalentservices.com

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