



AUTOMATION ROBOTICS ENGINEER

ABOUT THE COMPANY

Insight Inc.'s ultimate deliverable is transformative change for our partners. Our Lean Automation business unit provides expertise of custom automation, robotics, and controls platforms. Our Brand Activation business unit provides sales lift, differentiation, and targeted communication at point of sale. The two share a foundation of engineering and a unique strategic approach to solving our partner's challenges. For more information, visit www.insight-inc.com.

JOB DESCRIPTION

In this job you will be responsible for identifying and setting up automation within various manufacturing processes. The processes may be assembly, fabrication automation packaging based and govern the production and delivery of products. Automation engineers perform a critical function of streamlining the manufacturing processes and making them as efficient as possible, while still maintaining product quality and adhering to internal protocols and external regulations. The automation engineer must have inherent knowledge of the process or have the ability to understand new processes quickly and apply the following:

- Select the appropriate instruments to sense, measure and/or monitor systems variables.
- Control those variables using programmable logic to actuate or operate other systems and components, including developing and designing the concept, choosing and programming the appropriate control system/hardware and ensuring the proper communication between the actuated/operated components connected to the controller.
- Simulate, install, test, and manage electrical/mechanical automation and monitor the automation processes on an ongoing basis.
- Develop and maintain clear and accurate documentation of automation equipment or processes.
- Train staff, operations team, and maintenance organization where necessary upon implementing new processes, commissioning new equipment, or making changes to existing systems.
- Troubleshoot automated processes or equipment when not performing and at times assist maintenance in the same function.

REQUIRED SKILLS & EXPERIENCES

- Bachelor's degree required (BSEE, BSME or BSCS)
- Excellent computer skills, particularly in programming and software development. More specifically, experience in programming of robotic systems and writing PLC codes (Omron, Rockwell (Allen-Bradley), Siemens, GE, and other industry standard PLC platforms, for example).



- Must have strong knowledge base and experience with hardware and software associated with:
 - Measurement and sensing
 - Control devices
 - PLC's
 - Actuate, motors, drives
- Understanding of and experience in supervisory control and data acquisition (HMI code using Wonderware, Factory-talk View ME/SE, Rs-view, and other industry standard graphical interfaces for example)
- Full understanding of equipment manuals, assembly drawings, P&ID's, electrical, hydraulic and pneumatic drawings and schematics.
- Strong understanding of general safety, electrical safety, ergonomics.
- Organizational and project management skills with the ability to prioritize and schedule work, develop and maintain project budget and operate in a team environment, including ability to manage integration and programming of robotics and automation projects provided by third party integrators.
- Problem solving and creative thinking skills.
- Flexibility and adaptability to address a wide range of project type and focus on execution for the manufacturing operation.
- Certification as an ISA Certified Automation Professional is a plus.

PHYSICAL DEMANDS

- Standing: Occasional standing for job site meetings and project reviews.
- Lifting: Occasional lifting of plans, project files, measuring equipment, PC's
- Walking: Frequent walking throughout the facility both indoors and outdoors.
- Carrying: Occasional; light objects such as laptops, plans, rulers, measuring equipment
- Pushing: Infrequent pushing of objects, if at all. Maybe related to rearrangement work
- Pulling: Infrequent pulling of objects, if at all. Maybe related to rearrangement work.
- Bending: Occasional bending during field survey work or access to work areas.
- Reaching: Occasional reaching during field survey work or when connecting equipment
- Handling: Occasional handling of tools or equipment. Frequent use of personal computer, keyboard, and mouse.
- Environment: Work performed in an office and factory setting.

INSIGHT OFFERS A REWARDING WORKING ENVIRONMENT WITH COMPENSATION AND BENEFITS THAT INCLUDE:

- Competitive compensation package commensurate with your work experience, including incentive compensation
- Healthcare benefits – medical, dental, and vision
- Short-term and long-term disability insurance
- Company 401K, Pension, and Profit Sharing programs
- Paid vacation and company holidays