

Automation Engineer III

An Automation Engineer III is responsible for the project management and complete design of the mechanical systems and some electrical and controls functions of new and retrofitted medium to large sized industrial automation machines for our customers. Developing mechanical machine mechanisms, generating mechanical assemblies, and developing machine function algorithms, and debugging mechanical designs are the normal tasks that are done on a daily basis. Some specification and programming of PLCs, robots and servos may need to be done from time to time also. The person who fills this position will also act a mentor for more junior mechanical and automation engineers, a project manager for projects, and a salesman for generating additional machine sales.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Design mechanical systems for new, or modify existing, automated machinery to automate manufacturing processes.
- Design and specify some electrical components for custom automated industrial machines
- Coordinate with other engineers and manufacturing and assembly to ensure design intent and cost effectiveness of production are achieved
- Establish technical manuals, drawings, models, training documentation, preventative maintenance plans and troubleshooting guides for newly established automated equipment/processes
- Manage individual project budgets and schedules and routinely report progress
- Travel to customer sites for design reviews, research, installation, and troubleshooting
- Ability to accept customer design feedback and improvement suggestions and brainstorm with others
- Adhere to good manufacturing and good documentation practices
- Lead, advise, and train more junior engineers
- Ability to self-direct on projects and tasks and the ability to manage a team
- Ability to talk to current clients and find new ones to generate sales
- Review, understand, and explain customer specs and prints
- Create quotations and sales proposals for new jobs
- Develop machine and manning timing plans for new production equipment /processes

MINIMUM REQUIREMENTS

BS in ME, EE, Automation, or Related Field or equivalent experience
Minimum of 7 years of experience in the design of automated equipment
Expert Knowledge in 3D CAD software
Experience in PLC Programming
Experience in HMI Programming
Ability to coordinate with outside suppliers
Mechanically inclined, strong problem solving skills, hands-on individual
Excellent oral and written communication skills
U.S. Citizen

ADDITIONAL SKILLS DESIRED

Expertise in Solidworks
Experience with Allen-Bradley and Mitsubishi PLC programming
Experience with C-More and Mitsubishi HMI programming
Machine shop and welding knowledge
Experience with GD&T ANSI Y14.5
Knowledge of lean manufacturing and ergonomic principles
Familiar with 6-Axis robot programming
Familiar with machine vision principles

AIT offers major medical insurance, 3 weeks vacation, 10 paid holidays, 401K plan, signing bonus and more.

Compensation is commensurate with experience.

ABOUT US

For over 22 years Automated Industrial Technologies, AIT, has been designing and developing specialized manufacturing tools, industrial control systems, and automated production equipment for customers all over the world. AIT's goal is to provide a high quality automation product while solving our customer's challenges using simple and unique mechanical and control system approaches. To achieve this we have two locations just outside of beautiful Lynchburg Virginia. With over 13,000 square feet of office and manufacturing space our staff of mechanical engineers, electrical engineers, programmers, machinists, welders, technicians and support personnel works every day to exceed our customer's expectations.

Submit resume and cover letter to: info@autoindtech.com