

Senior Automation Design Engineer

Job Title:	Senior Automation Design Engineer	Position Type	Full Time
Location:	Carlsbad, CA	Travel Required:	Yes
Resumes Accepted By:			
Fax or E-mail: (760) 741-7269 or careers@automationgt.com Please include [Senior Automation Design Engineer Position] in the subject line.			
About Automation GT			

Automation GT is currently looking to hire Senior Automation Design Engineers with technical leadership and system engineering expertise to join our team at our headquarters in Carlsbad, CA.

Founded in 2002 in Southern California, Automation GT is an innovative company focused on the design and construction of custom automated machinery and systems. We employ professionals with a range of skills and qualifications, which allows us to approach every aspect of machine design, engineering, assembly, customer service, marketing, and sales on an in-house basis.

We provide an ideal work environment for engineers looking to grow their skillsets, flourish in a community with opportunities for independent creativity, as well as collaboration with talented engineers and technicians trained in diverse fields including software integration, mechanical and electrical engineering, and robotics.

At Automation GT, you will work with a team of forward-thinking individuals that are well-versed on industry standards and best practices to identify creative solutions for a diverse set of design and engineering challenges. You will be able to put your skills towards the creation of machines that have a positive impact on the lives of many people. We have done extensive work in the design and manufacturing of automation machinery for the biotechnology, life science, pharmaceutical, and medical device industries. However, we do not limit ourselves to any particular project type, and are interested in all applications of advanced automation technology.

At Automation GT, we hold three core values as the heart of our company culture:

- We are committed to making decisions based on data and the scientific method.
- We are committed to prioritizing customer satisfaction in all that we do, which often involves thinking ahead and anticipating what they will need.
- We are committed to ensuring the job satisfaction of our employees and will work with you to ensure that you are finding plenty of opportunities to grow and find fulfillment.

We offer staff members a compelling package, including a competitive salary, superior benefits, an outstanding work environment, and opportunities for career advancement. Through these comprehensive offerings, every individual has the chance to achieve significant growth, both financially and professionally.

Job Description

Responsibilities:

- Develop reliable, efficient mechanical designs for precision custom automated equipment in a variety of industries including pharmaceuticals, biotechnology, medical device production, aerospace and defense, automotive manufacturing, and renewable energy
- Organize, document, and present technical design reviews and project management overviews with minimal assistance
- Work closely with Application Engineers to develop concepts and support sales engineering approaches as needed
- Work closely with Electrical Engineers to apply appropriate controls technology into the mechanical automation design
- Work with vendors and customers to correctly deploy process or test equipment into the mechanical automation design

Minimum Experience/Education:

- 10+ years of professional experience designing and developing industrial automation or life science products and systems
- MS Engineering preferred, BS acceptable with demonstrated experience
- Strong knowledge and experience with engineering principles and procedures that apply to machine design, part handling, robotic end-of-arm-tool design, semi-automated work cell layout, robotic work cell layout, process flow, operator ergonomics, and machine aesthetics
- Proficient in the use of SolidWorks to generate 3D solid model designs from concept to release to fabrication
- Familiarity with industry policies and procedures to ensure safety, environmental, and regulatory compliance
- Experience in machining, cutting, and grinding of metals and polymers
- Candidate should be proficient in ANSI/ASME and GD&T standards
- Basic understanding of machine controls and systems integration
- Basic understanding of motion control technologies and mechanical drive train design including the application of stepper motors, servo motors, pneumatics, and hydraulics
- Relevant experience in:
 - Design for manufacturing
 - Design for automation
 - Machine tools
 - Precision tooling
 - Special purpose machinery
 - Industrial robots
 - Industrial machine control systems

General Skills/Qualifications:

- Customer oriented, with the ability to represent Automation GT and present engineering ideas and designs to a customer or non-technical audiences
- Motivated self-starter and team player, works well with others and interacts effectively and efficiently with internal or external people and groups
- Extensive cross functional team experience including technical and non-technical work
- Must have the ability to prioritize, multi-task, meet deadlines, and work without supervision
- Organized and detail oriented with excellent written and verbal communication skills
- Proficiency in MS Office Suite (e.g. Excel, Word, Outlook, Visio) and general computer literacy
- Must be a creative thinker, able to think outside the box, results oriented, and focused
- Analytical thinker and problem solver
- Core values, exceptional work ethic, and continuous self-improvement
- Highly organized, ability to prioritize a varied and fast-changing workload
- Motivated, high achiever, persistent, and conscientious