

# INNOVATE YOUR FUTURE



**INNOVATIVE**<sup>®</sup>  
AUTOMATION. LEAD GLOBALLY.

## SR. MECHANICAL DESIGNER

*Innovative Automation has a unique company culture where every member of the team is empowered, and all new ideas are welcome. We place a high value on fostering an environment of respect and trust between all team members. Innovative Automation listens to, invests in and supports employees, offering advanced skills training, and opportunities for advancement.*

### POSITION OVERVIEW

Reports to: Mechanical Design Manager

Innovative Automation is looking for a Senior Mechanical Designer to join our team of Innovators. In this position, you will design the mechanical portion of custom automation equipment to client and IAI specifications. This will be done using research techniques, combined with various outside sources of information, to create and verify the design.

The ideal candidate has a love of learning, as every single day presents exciting new challenges. You will quickly become a core part of the Innovative team and an active decision maker helping to guide our output.

### KEY RESPONSIBILITIES

- Complete the mechanical design and detailing of fixtures, jigs, and smaller machines. Create mechanical designs that are economical to produce, easy to assemble and simply maintained.
- Assist other designers with the mechanical design and detailing of larger systems.
- Complete “as built” drawing updates on machinery when required, reviews updates/changes with the other departments when required.
- Work cooperatively with clients, fellow employees, contractors, and management and suppliers.
- Adhere to IAI’s ISO9000 quality policy and procedures.
- Manage all assigned tasks in a neat and timely fashion while striving to maintain budgeted hours.
- Utilize IAI Quotation and Project Request Form to understand client requirements, determine project direction and required project features.
- Communicate project concerns, project status, and design solutions with management, fellow staff and clients.
- Meet with design management and IAI sales representative to evaluate the mechanical design and ensure that design requirements are met.
- Does not add features out of the scope of work without prior approval by design management or sales representative.
- Use appropriate methods to generate and verify the design.
- Work in conjunction with the other members of the team, such as the electrical designer and the mechanical assembler/developer during all stages of machine design/build.
- Present the design to the client, acquires client sign off the design concept to proceed with detailing and manufacturing.
- Complete all required machine build drawings (drafting) as required.
- Generate Bill of Materials (BOM) for both purchased parts and raw manufactured materials as required.
- Assist other IAI personnel during the equipment build, observes and monitors how the build is progressing.
- Design of larger and more technically complex projects.

- Utilize technical knowledge and experience to produce superior designs.
- Keep abreast of new technologies and research new processes and methodologies.
- Create and maintain efficiency in the design process.
- Project Management of large-scale projects.
- Delegate duties and coordinate the design process with other designers in the department.
- Coordinate the design process while accommodating the requirements of other departments.
- Occasional travel as required within North America.

## QUALIFICATIONS

- Minimum Diploma in Mechanical Engineering or Equivalent Specialized Experience.
- Minimum 4+ Years' Work Experience.
- Skills are required to perform multiple, technical tasks with a need to periodically upgrade skills in order to meet changing job conditions for all levels of this position.

## HOW TO APPLY

Innovative Automation is always looking for talented people, so even if you don't currently see a job that fits your skill set, please forward us your resume if you feel you would like to become part of our team. All resumes will be evaluated and kept on file.

We thank all applicants but advise that only those to be considered for an interview will be contacted.

Innovative Automation welcomes and encourages applications from people with disabilities. Accommodations are available on request for candidates taking part in all aspects of the selection process.

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