

AUTOMATION DESIGNER

Founded in 1996, Select Tool is a leading manufacturer of high quality and innovative solutions to valued customers worldwide. We are a full-service provider of Automation, Special Machines, Turn-Key Productivity Systems, Specialty Tooling, and Checking Fixtures.

We control our value chain from concept to completion, thus offering many professional development and personal growth opportunities to our team members, as well as greater value and capabilities for our customers.

We value our team members, which is why we offer a competitive compensation package commensurate with experience/capability, comprehensive benefits & 401(k) program along with a great work environment, clean and modern facilities, and a driving desire to continue to be the best at what we do.

Job Location: Select Tool USA Inc., 7346 Nineteen Mile Road, Sterling Heights, MI 48314

Job Description: The successful candidate will be a strong mechanical designer, experienced in designing various automated equipment solutions, special machines, and secondary equipment. The candidate will be responsible for designing mechanical systems and components for custom automation equipment, ensuring stipulated specifications and requirements are met and delivered within budget and time utilizing established procedures.

Reporting to: General Manager – Select Tool USA Inc.

Primary Duties and Responsibilities:

- Translate written design concepts/sketches, product data, and customer requirements/standards into fully functional SOLIDWORKS designs.
- Able to generate accurate Bills of Materials, and Detail Prints.
- Work in a collaborative environment with Project Managers, Build Manager, Manufacturing Manager, and Controls Manager.
- Develop and evaluate potential solutions to engineering problems for feasibility, manufacturability, and optimal cost.
- Capable from design concept, through revisions, to final approved designs.
- Interact with vendors to determine proper and cost-effective purchased items.
- Participate in internal and customer design reviews with ability to effectively translate meeting minutes into final/approved designs.
- Assist Jr. Automation Designers on assigned projects.
- Work with builders to monitor assembly progress and update designs/details to “as built” when required.

- Evaluate potential solutions to engineering problems for feasibility, manufacturability, and cost.
- Provide written and verbal work direction to team members.
- Ability to perform CAE simulations, FEA, and engineering calculations.
- Other duties and responsibilities as assigned.

Required competency and experience:

- 3 to 10 years design experience in an automotive environment.
- Experience with SOLIDWORKS mechanical design software.
- Strong interpersonal skills.
- Effective oral and written communications.
- Ability to manage multiple tasks simultaneously.
- Detail orientated.
- Ability to maintain confidentiality on sensitive projects.
- Remain flexible while working in a fast paced, frequently changing environment.
- Ability to work independently and in a team-based environment as required.
- Strong mechanical aptitude.
- Understanding of materials and manufacturing processes.
- Experience with robotics, vision systems, and other complex turn-key purchased mechanisms and sub-systems.
- Should have understanding of common mechanical engineering practices, standards, mechanisms, and purchased components.
- Understanding of machine ergonomics, serviceability, and maintenance.
- Should have strong troubleshooting and analytical thinking skills.
- Legally authorized to work in the United States without company sponsorship

Education:

- Minimum High School diploma.
- Technical School Graduate or equivalent experience in an industrial manufacturing environment.

Select Tool USA is an Equal Opportunity Employer. Select Tool USA does not discriminate on the basis of race, religion, color, sex, gender identity, sexual orientation, age, non-disqualifying physical or mental disability, national origin, veteran status, or any other basis covered by appropriate law. All employment is decided on the basis of qualifications, merit, and business needs.