



Immediate Opening: Junior Controls Engineer

Cambridge Security Seals seeks an entry level Junior Controls Engineer with mechanical and electrical engineering and programming skills and relevant experience. The primary responsibilities for this position will center around programming and system integration with fully automated injection molding production and finishing processes. This is an immediate opening at our state-of-the-art manufacturing facility in Pomona, NY.

This position will be heavily involved in supporting and actively contributing to the design, development, maintenance, documentation, and integration/implementation of complex, high-speed assembly equipment utilized in the high-volume production of security seals. The successful candidate will be responsible for system specification, machine tooling, fixture design, and automation programming. Hands-on experience with controls, sensors, and ladder logic programming for integration of automated assembly equipment, electro-mechanical equipment, and electro-mechanical design of production fixtures is essential. This is a unique opportunity for the right candidate with the drive to learn, develop skills, and innovate. This is a high-visibility position working as part of a motivated team within a culture of continuous improvement for a rapidly growing company that manufactures best-in-class products.

If you wake up every morning eager to improve the status quo by applying your unique skills to make a difference - join us! At CSS, our engineers contribute to a variety of projects across many aspects of product design, manufacturing, assembly, and operations. This position, with its focus on automation, will not only utilize but stretch your technical skills and expand your knowledge base.

Our ideal candidate is not only technically proficient with an engineering degree, but is a team player with strong communication skills, detail oriented and deadline driven, and with a passion to innovate and succeed.

Key Responsibilities

Responsibilities may include, but are not limited to:

- The design, development, and implementation of automation projects including initial concept, design requirements, system architecture, test plan, prototype fabrication/testing, and final production release.
- Troubleshooting ladder logic to determine issues with automation line sensors or functions of servos and other electromechanical and pneumatic actuators.
- Integration of new manufacturing steps and updated controls to existing lines, working with suppliers to ensure seamless and timely integration of these new technologies.
- Working within multi-discipline project teams to develop drawing and specification documents, and develop PM protocols (including spare parts, service intervals, training/guiding maintenance personnel, etc.).
- Ensuring that customer requirements get translated into professional and accurate Statements of Work and RFQ responses by understanding both product specifics and manufacturing and assembly techniques and variables.



- Creating detailed documentation including, but not limited to, design input requirements, specifications, design of experiments, acceptance test, validation protocols, detailed drawings and bills of materials, Scope of Work Documents, presentations to management, Statement of Work, and Requests for Quotation.
- Selecting and specifying equipment components, such as lasers, motors, pneumatics, conveyors, and other part-feeding, finishing, and assembly components.
- Documenting process, procedures, protocols, and training materials for staff and stakeholders.
- Evaluating and recommending engineering modifications to equipment or processes to improve product quality, increase line uptime, increase throughput, reduce costs, and enhance plant safety.
- Brainstorming and working closely with a team of engineers to develop strategies and implement solutions.
- Staying current with new and evolving relevant technologies.
- Performing computer-aided design and drafting (CADD) work that requires a strong proficiency in CADD using Solid Works.
- Performing other duties as assigned.

Required Qualifications

The ideal candidate will have:

- Bachelor's degree in field with 3+ years of related work experience, or equivalent combination of education and experience to perform at this level.
- Hands-on experience with electro-mechanical design, development, programming, troubleshooting, and maintenance of automated manufacturing equipment.
- Understanding of (and ideally, experience with,) plastic injection molding processes, laser marking, and other automated finishing and assembly techniques and processes.
- Proficiency in Solid Works 3D modeling.
- Proficiency in Microsoft Office (Word, Excel, MS Project, and Outlook).

Required Traits

- Self-starter with a strong work ethic.
- The ability to appropriately prioritize and plan complex work in a rapidly changing environment, with the ability to meet deadlines.
- Strong analytical skills with an ability to combine strong technical skills to creatively and practically solve problems in a fast-paced agile environment.
- Strong written and verbal communication skills, including the ability to communicate complex technical issues to internal and external stakeholders.
- A performance-driven, team-oriented and client-focused professional attitude/demeanor.
- The ability to work productively and cooperatively in a team environment.



This is a manufacturing-facility-based position in Rockland County. You must presently live in or have a reasonable daily commute to the Rockland County area. In addition, you must pass initial and random drug testing and background checks.

Compensation and Benefits

- Stable, positive work environment
- Starting salary: \$45-50,000 (experience driven)
- Participation in our company's benefits plan (upon eligibility).
- Participation in our company's 401K plan (upon eligibility).
- Paid vacation and personal days (upon eligibility).

About Cambridge Security Seals

Cambridge Security Seals is a privately held enterprise headquartered in Pomona, New York. CSS is one of the world's leading manufacturers and suppliers of tamper-evident, tamper-resistant, and high-security loss prevention seals, track-and-trace devices, and allied products to meet the growing needs of customers across a wide range of industries.

Our team of manufacturing specialists, engineers, operations professionals work as a cohesive unit to address all the challenges across an extremely wide scope of applications faced by our diverse customer base across industries ranging from Airlines, Transportation & Logistics to Healthcare, Pharmaceutical, Nuclear, Medical, and Fire Safety. Using cutting-edge production technologies and tapping into cross-industry development resources, we collaborate to develop innovative solutions that uniquely position our company to provide safe and secure tamper-proof and tamper-evident products to support the demands of a rapidly changing world.

To apply for this position, please email a resume and cover letter to rtownsend@cambridgeseals.com

Cambridge Security Seals is an equal opportunity employer.