



Job Title: Automations Controls Engineer
Department: Engineering
Sub Department: N/A
Immediate Supervisor: Engineering Manager
Status: Exempt; Full Time
Location: Meridian, Idaho (Non-Remote)

JOB SUMMARY

Prepares ladder logic programs (PLC) and human machine interface (HMI) design for custom precision cleaning and wet processing tools for worldwide applications. Performs hands on startup of equipment on-site in a class 100 clean room

DUTIES & RESPONSIBILITIES

1. Reviews and assesses project sales specifications with consideration for system safety, functionality, and manufacturing feasibility in order to prepare PLC ladder logic, HMI design, Facility host interface database and associated documentation.
2. Assists with electrical designs, P&ID drawings, and I/O lists, following engineering specifications.
3. Responsible for systems control, state machines, power management, and system functionality including all communications within, to and from the system.
4. Provide hands on support for engineering designs in a manufacturing environment, including start up and troubleshooting of new equipment. Startup of equipment is typically performed in a 100-Class clean room environment.
5. Completes engineering tasks on time to meet system manufacturing timelines and dates for on time project completion.
6. Works cooperatively with all project team members in coordinating designs for accurate and efficient manufacturing. Communicates design constraints and works within the team to achieve effective solutions.
7. Responsible for supporting the field service department with software questions and issues on equipment in the field. This includes analyzing code to find the root cause of errors and revising code as required to resolve the situation while ensuring other aspects of the project are not negatively affected.
8. Assist in continuous process improvements with a willingness to contribute positively to discussions.
9. Ability to read and understand electrical and plumbing schematics.
10. Responsible for other duties and tasks as assigned and, in some circumstances, may be completely unrelated to this position.

JOB REQUIREMENTS, SKILLS, AND EXPERIENCES

1. Bachelor's degree in engineering required, Electrical or Computer preferred.
2. Ability to read and understand electrical and plumbing schematics.



3. Ability to effectively and clearly present and express written and verbal information to individuals and/or groups required.
4. Ability to work and contribute within a team.
5. Ability to quickly learn and adapt to JST practices and JST specific ladder logic and HMI design.
6. Experience with Programmable Logic Controllers (PLC) and Human Machine Interface (HMI) designs desired. Rockwell Automation experience preferred (Studio 5000, FactoryTalk View SE/ME)
7. Ethernet, Modbus, and Serial communication knowledge preferred. Knowledge of SECS/GEM communication protocol a plus.
8. Ability to travel domestically and/or internationally if projects permit.

WORK ENVIRONMENT AND EMPLOYEE EXPECTATIONS

- Employees are expected to support the Company's business culture and values by demonstrating teamwork, integrity, good judgement, respect, innovation, and communication as well as by contributing at optimum levels toward the success of the company.
- Able to safely lift and carry, push or pull objects up to 50lbs.
- Able to walk, stand and work on feet for the duration of shift.
- Able to climb, balance, stoop, kneel, crouch, reach with hands and arms, grasp, handle and operate hand/power tools or controls.

COMPANY SUMMARY

JST is a leading expert in wet bench design and a trusted global provider of wet process and precision cleaning technology solutions for the semiconductor, biomedical, and other clean industries. Our customers rely on us to solve their most complex manufacturing process challenges. With in-house engineering teams and full plastic and metal fabrication capabilities, JST delivers complete design-to-fabrication solutions for all wet processing applications. We are driven by teamwork, customer focus, integrity, and relentless innovation — committed to providing high-quality, cost-effective, and safe solutions that improve our customers' wet chemistry processes.

When you join the JST team, you become part of a group of specialists in wet bench design, manufacturing and customer service. From concept to completion, we engineer, design, manufacture, and install tailored solutions to meet cleanroom processing needs across the globe.

QUALITY IS OUR FORMULA (CORE VALUES)

At JST, quality isn't just a standard—it's how we work. We're redefining what it means to show up, collaborate, and drive results by embedding quality into everything we do. *That's why we say: Quality is our Formula.* This formula isn't just a slogan—it's a mindset. It's captured in a simple but powerful equation: **Q = TCI²**



Job Description

Teamwork	Customer Focused	Integrity	Innovation
Be One	Be Aligned	Be Accountable	Be in Pursuit
<i>Always</i> work together to meet company and individual goals.	<i>Always</i> align with and focus on your customers.	<i>Always</i> accept and require accountability.	<i>Always</i> pursue improvements by innovating relentlessly.

This cultural shift is about more than words, it's about aligning who we are with how we work. We recognized that our previous values didn't fully capture the behaviors and decisions that define success at JST. By embracing this new formula, we're building a culture where every action, every idea, and every solution reflects our commitment to quality and excellence.

At JST, quality is not just a goal, it's an expectation, a belief, and a way of being. When you join our team, you're not just contributing to our success; you're becoming part of a culture built on collaboration, customer dedication, ethical innovation, and shared purpose.

BENEFITS AVAILABLE

Medical / Dental / Vision | 401(k) | Life Insurance | Paid Time Off | Holiday Pay | Available Overtime | Flexible Work Schedule | Referral Program | Tuition Reimbursement | Year End Performance Bonuses | Competitive Pay BOE | Remote Work Flexibility | Possible Relocation Assistance Available

APPLICATION PROCESS

You can download our employment application from [our website](#). Employment applications and resumes are accepted through the following venues:

- (1) Mail: 4040 East Lanark Street, STE 100, Meridian, ID 83642
- (2) Online Application: <https://jstmfg.isolvedhire.com>
- (3) Email: hr@jstmfg.com

Important Notes:

- JST is an AA/EOE employer.
- Applicants must be authorized to work for ANY employer in the U.S. We are unable to sponsor or take over sponsorship of an employment Visa at this time.