



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

JOB SUMMARY

Utilizing engineering principles and an understanding of designing for manufacturability, the Mechanical Engineer prepares mechanical designs, fabrication drawings, manufacturing instructions, and comprehensive bills of materials for custom precision cleaning and wet processing tools for worldwide applications.

DUTIES & RESPONSIBILITIES

1. Responsible for mechanical, automation, and assists plumbing, PI&D and tank drawings for systems, following engineering specifications. Aids in the development of system and engineering specifications. Reviews and improves specifications based on feasibility and modifies drawings by studying requirement changes over time. Prepares final drawings and develops approval drawing layouts when assigned.
2. Provides timely feedback on manufacturing questions/request for information. Verifies that product is being manufactured as per specifications and resolves discrepancies, following-up with the necessary changes to drawings, routers and BOMs to ensure full issue resolution.
3. Prepares bill of materials, routers and manufacturing instructions.
4. Ensures that Engineering efforts are completed in time to meet system manufacturing timelines and ship dates.
5. Leads Mechanical Engineering Team to achieve efficient and timely results. Works cooperatively and coordinates activities and designs with other engineering team members. Communicates design constraints and works within the team to achieve solutions.
6. Assists project quoting and estimating with design concepts and component lists for accurate total design and manufacturing cost estimates.
7. Responsible for other duties and task as assigned and, in some circumstances, may be completely unrelated to this position

JOB REQUIREMENTS, SKILLS, AND EXPERIENCES

1. Bachelor's degree in mechanical or industrial/manufacturing engineering required.
2. Three years of experience as a Mechanical Engineer, preferably in a large equipment manufacturing environment/industry (Semiconductor industry preferred).
3. Knowledgeable and competent with 3D modeling in Solidworks.



4. Knowledge of manufacturing processes and best practices.
5. Ability to read and understand electrical and plumbing schematics from a variety of sources and manufacturers.
6. Ability to effectively present and clearly express written and verbal information to individuals and/or groups required.
7. Ability to work and contribute within a project team.
8. Capable of working independently to drive engineering projects to completion.
9. Ability to learn quickly and adapt to new practices and procedures.
10. Experience with 2-D CAD software (AutoCad, DraftSight) desired

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.