



Job Title: Mechanical Engineer (ME)

Immediate Supervisor: Engineering Manager

Department: Engineering

FLSA Status: Exempt, Full-Time

Schedule / Shift: Monday – Friday 8:00a-5:00pm (based on scheduled requirements)

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 Manufacturing is the expert in wet bench design and manufacturer and go-to international wet process and precision cleaning technology solutions manufacturer in the semiconductor, biomedical, food processing, and other clean industries. Our customers regard us as the company that can solve their difficult manufacturing process problems. Utilizing an onsite electrical and mechanical engineering staff, and a full plastic and metal fabrication facility, JST Manufacturing can provide both design and fabrication solutions for all of your wet processing processes. With teamwork, integrity, good judgment, innovation, and respect, we are committed to improving our customer's cleaning and handling challenges with quality, cost-efficient, and safe solutions.

By joining the JST Manufacturing, Inc. team you join a team of experts in wet bench design and manufacturing. From start to finish, we can engineer & design, then manufacture & install the right solution for any cleanroom need around the world.



CORE VALUES

JST places great importance on values such as teamwork, integrity, good judgment, respect, innovation, and communication. Upholding these values is crucial for fulfilling our mission and meeting the diverse needs of our customers. These principles serve as the foundational core of our company, and we expect our employees to embody them in their actions.

- **Teamwork** - Recognizing that effective collaboration is key, JST emphasizes the coordinated effort of employees working toward common goals, irrespective of their positions or departments.
- **Integrity** - JST is dedicated to acting with integrity, holding every member to the same moral and ethical standard to maintain the trust our customers place in us.
- **Good Judgment** - We have a responsibility to exercise good judgment, which includes continuous learning, trusting individual team members' skills, addressing biases, questioning and evaluating options, and following through with solutions.
- **Innovation** - Innovation, introducing new methods and solutions, allows JST to fulfill its mission and provide more efficient solutions.
- **Respect** - The company firmly believes in showing respect to every individual, regardless of their role. This includes effective communication, active listening, avoiding interruptions, offering constructive feedback, fair treatment, professionalism, recognition of contributions, and acknowledging others' needs.
- **Communication** - JST believes that effective communication is fundamental for building relationships and minimizing errors. Communication should be clear, conflict-solving, and bidirectional, utilizing approaches such as knowing where and about what to communicate, understanding the audience, active listening, collaboration, face-to-face communication when appropriate, using appropriate body language and tone, and relying on facts rather than unverified information.

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.