



Job Title: Process Engineer
Department: Field Service
Sub Department: Applications Laboratory
Immediate Supervisor: Field Service Manager
Status: Full-Time, Exempt
Location: Meridian, Idaho (Non-Remote)

JOB SUMMARY

The Process Engineer will support product and process technology development for JST Manufacturing in the semiconductor equipment industry. Responsibilities include qualifying tools, running experiments, troubleshooting equipment issues, and performing technical analysis at both customer sites and in the JST Applications Lab. The role involves travel and working with various chemicals and metrology tools.

DUTIES & RESPONSIBILITIES

1. Operate JST equipment in the Applications Lab and at customer sites to qualify tools per specifications.
2. Conduct wafer processing and run experiments for product development, engineering testing, and customer demos.
3. Troubleshoot equipment issues and collaborate with Field Service Engineers (FSEs) and other engineering staff.
4. Handle and work with chemicals used in the semiconductor manufacturing process.
5. Analyze process data, including particles, metals, organics, surface roughness, and uniformity.
6. Utilize metrology tools for wafer surface characterization (e.g., surface scanners, thin film measurement tools, SEM, ICPMS, AFM, XPS).
7. Make technical presentations to customers, JST management, and at technical conferences.
8. Travel 25-50% to customer sites for tool qualification and technical support.
9. Contribute to team effort by achieving results. Work cooperatively with team members, communicate design constraints, and work within the team to achieve solutions.
10. Able to work in various positions such as climbing, balancing, stooping, kneeling, crouching, laying, reaching with hands and arms, grasp, handle and operate hand and tools, as well as welding equipment.
11. Responsible for other duties and task as assigned and, in some circumstances, may be completely unrelated to this position.

JOB REQUIREMENTS, SKILLS, AND EXPERIENCES

12. Education: BS or MS in Chemical Engineering, Material Science, Chemistry, or a related field.



13. Experience: Semiconductor industry experience is preferred but not required.
14. Technical Skills:
 - Proficiency with office products (e.g., Microsoft Excel, Word, and PowerPoint).
 - Basic analytical skills to interpret and analyze process and metrology data.
 - Familiarity with semiconductor manufacturing metrology tools.
15. Soft Skills: Excellent communication skills for interfacing with engineering teams and customers.

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
- Flexible Work Schedule
- Referral Program
- Tuition Reimbursement
- Year End Performance Bonuses
- Competitive Pay BOE
- 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.