



Job Title: Field Service Engineer

Department: Field Service

Immediate Supervisor: Field Service Manager

Status: Exempt; Full Time – Learned Professional

Location: Meridian, Idaho (Non-Remote positions available; Remote positions may be available)

JOB SUMMARY

Apply advanced technical knowledge to troubleshoot, analyze, and resolve complex semiconductor wet processing equipment issues. Performs system integration, startup, commissioning, and qualification of sophisticated automated wet bench systems. Provides expert technical consultation to customers and exercises independent judgment in developing solutions to non-routine technical challenges.

DUTIES & RESPONSIBILITIES

1. Analyze complex system failures using advanced diagnostic techniques and engineering principles
2. Interpret technical specifications, P&IDs, electrical schematics, and engineering drawings to diagnose non-routine problems
3. Apply engineering knowledge to develop innovative solutions for equipment modifications and process improvements
4. Exercise discretion and independent judgment in determining root causes and implementing corrective actions
5. Lead startup and qualification of complex automated wet bench systems worth 500K–5M+
6. Program and troubleshoot PLC systems using ladder logic and advanced control algorithms
7. Validate system performance against SEMI standards and customer specifications
8. Make critical decisions regarding system configurations and process parameters
9. Serve as primary technical consultant to customers on equipment operation and optimization
10. Develop and deliver customized training programs based on customer needs assessment
11. Provide expert recommendations on equipment upgrades, retrofits, and process improvements
12. Manage technical aspects of service contracts and project scope
13. Create technical reports analyzing equipment performance and recommending design improvements
14. Document engineering changes and contribute to design enhancement initiatives
15. Develop standard operating procedures and best practices based on field experience
16. Collaborate with engineering teams to improve product design based on field insights



17. Perform point-to-point wiring and soldering according to engineering specifications
18. Assemble and bundle electrical wiring in organized, accessible manner with proper labeling
19. Install and assemble valves, fittings, and plumbing components to achieve leak-tight connections
20. Weld various plastic materials including PVC-C, PVDF, and Halar using specialized techniques
21. Identify and work with electrical components including relays, controllers, switches, motors, pumps, drives
22. Operate power tools safely including drill motors, soldering equipment, multi-meters, crimpers, stud weld guns
23. Accurately wand time and materials in Global Shop system
24. Maintain clear communication channels between customers and factory personnel
25. Document all service activities, schematic changes, and blueprint modifications
26. Follow all company procedures for service documentation and reporting
27. Responsible for other duties and tasks as assigned and, in some circumstances, may be completely unrelated to this position

EDUCATION & EXPERIENCE REQUIREMENTS

Minimum Requirements:

- Associate Science degree in Engineering, Technology, Electronics, Semiconductor Manufacturing, or related technical field; OR
- Bachelor's degree in Engineering (Mechanical, Electrical, Chemical), Mathematics, Chemistry, or related scientific field; OR
- Equivalent combination of specialized technical education and extensive field experience in semiconductor equipment, automation systems, or precision manufacturing (minimum 5 years)

Preferred Qualifications:

- Bachelor's degree or higher in Engineering or related scientific discipline
- Experience with semiconductor processing equipment, PLCs, or automated systems
- Professional certifications or specialized training in relevant technical areas

WORK ENVIRONMENT AND EMPLOYEE EXPECTATIONS

- Employees are expected to support the Company's business culture and values by demonstrating integrity, simplicity, trust, respect, and shared risk 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.

CORE VALUES

INTEGRITY

We consistently operate at the highest ethical and moral standards.

SIMPLICITY

Our 80/20 Front-to-Back Process helps us think and act simply – it creates an intense focus on our most profitable products and customers.

TRUST

We trust our people to operate with their best efforts and in the best interests of the company.

RESPECT

We treat everyone as we expect to be treated and value the diversity of perspectives, backgrounds, and experiences of all colleagues.

SHARED RISK

We celebrate our successes together and take responsibility for our mistakes and challenges as a team.

COMPANY BENEFITS AVAILABLE

Medical / Dental / Vision | 401(k) Matching | Life Insurance | Company Paid Short-Term and Long-Term Disability | Paid Bereavement Leave | Paid Parental Leave | Paid Time Off | Holiday Pay | Flexible Work Schedule | Referral Program | Tuition Reimbursement | 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/EEO 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.