

Process Engineer

Winslow Automation, Inc. (aka Six Sigma), an industry leader in electronic component interconnect technology & related test and failure analysis services, is seeking a creative and quality conscious Process Engineer who likes to work in a 'hands on' capacity in a real-time manufacturing environment.

This individual will be responsible for all technical aspects of Six Sigma's processes including engineering support, quality improvements, productivity, and technical customer support.

This position requires handling of product or information which is subject to ITAR regulations. Applicants must be either a U.S. Citizen, U.S. Permanent Resident (i.e. Green Card Holder), Political Asylee, or Refugee.

Responsibilities:

- Design and develop fixtures and tooling to meet manufacturing needs
- Continuously improve manufacturing processes in collaboration with other engineers and operators related to our Hot Solder Dip, BGA reballing, & Column Attach services
- Design new processes to build quality within and improve production cycle time
- Monitor key and critical process steps through the implementation of witness samples
- Conduct investigation, analysis, root cause identification, and implementation of measures to prevent recurrence of process and product issues
- Design experiments, document and present results
- Solid knowledge of process development from conceptual design, establishing a working process, generating manufacturing instructions and demonstrating techniques to operators
- Interface with customer service (and customers as needed) on technical design and process reviews
- Active participation in customer specification review to identify potential process-related issues
- Provide clear and concise information and instructions on NCRs, CARs and PARs
- Perform other duties as assigned by supervisor

Requirements:

- BS in Metallurgy or Materials Engineering, Mechanical Engineering, or equiv.
- Work experience related to microelectronics or PCB assembly preferred
- Experience in fixture and/or stencil design
- Strong mechanical aptitude, design skill set, & AutoCAD a plus
- Excellent understanding of soldering process, intermetallics and its effect on mechanical strength of soldered joints.
- Knowledge and understanding of stress-strain behavior and related mechanical properties of materials
- Knowledge and understanding of ductile and brittle fracture and the factors affecting fatigue life
- Working knowledge of DOE, SPC and FMEA
- Skilled in lab equipment (microscopes, digital imaging, etc.)
- Proficient in MS Windows & MS Office suite
- Ability to type 30 WPM at minimum
- Excellent report writing and presentation skills
- Working knowledge of ESD
- Working knowledge of ISO 9001 and AS 9100

No relocation fees will be considered.

Qualified candidates please send cover letter and resume to hr1@solderquik.com or fax to (408) 956-0198 Attn: Human Resources.

Winslow Automation, Inc./SIX SIGMA is an Equal Opportunity/
Affirmative Action Employer.