

Winslow Automation, Inc. / SIX SIGMA, an industry leader in electronic component soldering and other packaging services, is seeking a creative, mechanically inclined and quality conscious individual to join our team in Milpitas, CA.

We are currently hiring **Materials Engineer**

Primary Responsibilities:

- Optimize critical material manufacturing processes to produce defect-free material to maximize yield
- Improve material manufacturing processes by designing and conducting experiments, applying scientific knowledge, and soliciting observations from operators
- Determine critical process variations and implement controls
- Improve process by analyzing related yields
- Use statistical tools to determine and optimize process capabilities
- Assure product and process quality by designing appropriate test methods
- Conduct engineering studies (including failure analysis) and prepare reports by collecting, analyzing, and summarizing information and trends
- Work with suppliers to ensure material-related issues are resolved
- Serve as the company's technical resource for critical material and related manufacturing process
- Mentor, train, and provide technical leadership to engineers, technicians, and others
- Provide hands-on technical support to production
- Train others on proper equipment setup and operation
- Implement SPC and other tools to minimize testing costs
- Generate and update work instructions
- Work with maintenance to ensure proper preventive maintenance and repair procedures are developed and followed

General Requirements:

- B.S. in Mechanical Engineering (preferred), Materials Science, or Applied Physics
- Some industry experience a plus
- Solid understanding of the theories and applications of materials properties, metallurgy, intermetallic and thermodynamics
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- Knowledge of appropriate and accurate use of measurement toolsets (e.g., force gauge, caliper, micrometer, optical comparator, reticle, toolmakers microscope) a plus

- Solid understanding of the technical theories that provide the basis of the lab equipment functionality
- Experienced in appropriate and accurate use of DOE, FMEA, and Statistical Process Control (SPC) techniques
- Working knowledge of microelectronics packaging, lead finish, solders, solder defects, and fluxes a plus
- Working knowledge of mechanization, robotics, and electro-mechanical equipment a plus
- Mechanically inclined
- Technically astute
- Effective, logical problem solving skills
- Experience writing clear, concise, and accurate technical reports
- Effective interpersonal skills
- Skilled in effective organization and project management
- Detail-oriented
- Fast learner, self-motivated, and accomplishment driven
- Works well under pressure
- Skilled in safe chemical handling procedures
- Skilled in use of MS Office computer applications (Word, Excel, Outlook, PowerPoint)
- Skilled in use of general office equipment (multi-line PBX phone, voice mail, scanners, faxes, copiers)
- Valid Driver's License (C Class) with a clean motor vehicle report (MVR); automobile in good operating condition and on-going proof of insurance required
- Experience or ability to train others a plus
- Knowledge of and experience in application of test and procedure revision control a plus
- Knowledge of and experience in application of ESD, FOO, and SS a plus
- Knowledge of and experience in application of AS9100 or ISO 9000 a plus
- Knowledge of and experience in application of JEDEC, EIA, Mil-Std-883, and Mil-PRF-38535 a plus
- Multilingual in Spanish, Cantonese, Japanese, French, or Tagalog a plus

Physical Attributes Required:

- Sitting, standing, walking, and computer use up to 8 hours/day
- Physical ability to lift 25+ pounds, climb ladders, and stoop routinely

Employees enjoy:

- 401(k)
- Profit Sharing

- Medical, Dental, and Vision Insurance
- FSA (Flexible Spending Account)
- Life Insurance and Long-term Disability
- Paid Holidays & FTO (Flexible time off)

Email resume to hr1@solderquik.com. You may also come in to fill out an application at 905 Montague Expressway Milpitas, CA 95035; or visit <http://www.winslowautomation.com>.

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. a Green Card Holder), Political Asylee, or Refugee.