



Job Title: SMT Process Engineer
Department: Engineering
Supervisor: EVP/ VP of Operations
FLSA Status: Exempt

Introduction:

Microboard Processing, Inc. (Microboard), located in Seymour, CT is a privately held, completely state-of-the-art Electronic Manufacturing Services (EMS) provider that has been in business for 35 years. We are relentless with our continuous improvement philosophy as well as our equipment, software and human capabilities, employing the brightest minds and the newest equipment (FUJI NXT III SMT, Automated climate controlled inventory towers, 5D X-Rays, in-line SPI's and AOI's, on-site Nitrogen Generation, etc.). We are constantly pursuing global certifications to maintain Microboard at the leading edge of technology with a keen sensitivity to our environment (ISO 9001:2008, ISO 13485, AS9100D, ISO14001, CE, UL, ITAR.)

Essential Duties and Responsibilities: include the following. Other duties may be assigned.

- Communicates and listens effectively in a professional and courteous manner.
- Cooperates with supervisors, co-workers and works as a team.
- Organized, adaptable, professional and able to follow instructions.
- Proficient in Microsoft office Tools, ie, Word, Excel, PowerPoint and Outlook.
- Acquire basic working knowledge of company services to assist staff with various functions.
- Will need knowledge of all SMT equipment with experience programming printers, SPI, pick and place, reflow oven and AOI.
- Experience programming the above equipment.
- Experience creating and debugging oven reflow profiles. Understanding the temperatures in both Fahrenheit & Celsius.
- Technical understanding of the functions of machinery both mechanically, electrically and software.
- Troubleshooting capabilities.
- Class 1 – 3 IPC and J-STD training.
- Experience writing pre and post build DFM reports.
- Defect review/root cause analysis with resolution.
- Selective and Wave solder experience which includes programming and technical support.
- Ability to interpret 2D x-ray images as well as 5DX x-ray images. (programming is a plus).
- Knowledge of label creation programming and understanding of bar-codes.
- Must be organized and maintain professionalism at all times.
- Ability to work with other Engineers / and all floor Personal.
- Experience with Stencil Design using Gerbers, CAD and any other design tools.
- Experience with Rework processes. Hot Air, BGA repair, Wash/PCA cleaning and routine solder iron rework.
- AutoCAD or Solid works experience/knowledge.
- Able to interpret assembly and fab drawings and the requirement within.

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- Able to work directly with customer's engineering group to improve designs and enhance processes.

Qualifications:

- To perform this job successfully, an individual must be able to perform each essential duty satisfactorily.
- The requirements listed below are representative of the knowledge, skill, and/or ability required.

Education and/or Experience:

- Associates and/or B.A., B.S., Degree in Electrical Engineering or related technical field.
- Prior on-the-job experience of at least 5 plus years in same or similar industry.
- Demonstrated positive Customer Service demeanor.
- Superior written and oral communication skills.
- Strong technical background with the understanding of circuit card and box build assemblies.

Language Skills:

- Ability to read and speak English fluently.
- Ability to read and comprehend simple instructions, short correspondence, and memos.
- Ability to write simple correspondence.

Mathematical Skills:

- Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals.

Reasoning Ability:

- Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form.
- Ability to deal with problems involving simple variables in standardized (normal) situations.

Physical Demands:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is frequently exposed to moving mechanical parts.
- The employee is occasionally exposed to fumes or airborne particles, toxic or caustic chemicals, outside weather conditions, and vibration.
- The noise level in the work environment is usually loud.

Work Environment: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is frequently exposed to moving mechanical parts.

- The employee is occasionally exposed to fumes or airborne particles, toxic or caustic chemicals, outside weather conditions, and vibration.
- The noise level in the work environment is usually loud.

Personal Protective Equipment (P.P.E): Specific items of clothing and/or equipment may be required to perform certain functions and operations. Any of the following three serve as sufficient criteria in determining the need for P.P.E. compliance with:

- Microboard policy.
- Safety Data Sheet (SDS) stipulations.
- OSHA regulations generally.