



# ZENTECH

Contract Manufacturing & Engineering Design Services

## Process Engineer

**Job Title:** Process Engineer

**Reports To:** Production Manager

### 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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

### Essential Duties and Responsibilities:

Support all manufacturing equipment, provide hands-on shop floor support, and Perform OJT as required for the production personnel. Assist Manufacturing Engineers in improving yield and quality, driving material cost reduction and increased efficiency in all areas of manufacturing.

### Production floor responsibilities:

- Order and verify SMT stencil meet fiducial and aperture requirements
- Provides hands-on shop floor support
- Performs OJT as required for the production personnel
- Program SMT machine to place components according to IPC A 610 Class III standards
- Program AOI machine to inspect to IPC A 610 Class III standards
- Program Selective Solder machine to solder TH components according to IPC Class III standards
- Program Conformal Coating machine to apply coating according to specifications
- Confers with management regarding manufacturing capabilities, production schedules and other considerations to facilitate production processes
- Optimize and maintain reflow profiles and reports for each new board assembly
- Maintain all documentation necessary

### Process improvement activities:

- Assist Manufacturing and Process Engineers with continuous product manufacturability improvements including Corrective Action and Six-Sigma and/or other problem-solving methodologies
- Utilization of X-ray inspection and optical inspection systems and scopes for process verification.
- Use SPC defect data and operator feed-back to identify processes improvement opportunities
- Actively participates in CAR (corrective action) teams in order to ensure a proper resolution to production issues that resulted in non-conforming product.



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## **Education and/or Experience**

Bachelor's degree, three to five years related experience or equivalent combination of education and experience.

## **Language Skills**

Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals

Ability to write routine reports and correspondence

Ability to speak effectively before groups of customers or employees of organization.

## **Mathematical Skills**

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

Ability to compute rate, ratio, and percent and to draw and interpret bar graphs

Able to use and apply learning curves.

## **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 several concrete variables in standardized situations.

## **Other Skills and Abilities**

Ability to work with others in a team environment

Ability to accept direction from superiors

Ability to follow work rules and procedures

Detailed knowledge of component package styles and their relationship to manufacturing processes

Thorough understanding of PCB's and component level manufacturing

Effectively communicates with job contacts in a positive manner, maintaining appropriate confidentiality

Computer skills - data input & retrieval, word processing, spreadsheets (Excel), flow charting, etc.

Ability to easily learn new software applications (equipment programming and operation software, MRP system (Visual Manufacturing, etc.)

**This position may require exposure to information which is subject to US export control regulations, i.e. the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR). All applicants must be U.S. persons within the meaning of U.S. regulations.**