

Position title	IE Engineer
Reporting to	PE Manager
Department/Section	FATP PE

Purpose of the position

Factory layout design/optimization, and Shop Floor Control (SFC) systems. Optimize production workflows, reduce waste through lean methodologies.

This role is design and optimize plant layouts, Lead kaizen/ECRS initiatives to eliminate waste and standardize process.

Duties and Responsibilities

1. Factory Layout & Optimization

- Design and optimize plant layouts using AutoCAD, and simulation tools** (e.g., FlexSim).
- Reduce material handling costs by 30%+ through lean logistics planning.

2. Efficiency Improvement

- Lead Kaizen/ECRS initiatives to eliminate waste and standardize work processes.
- Improve line balance rates.

3. Shop Floor Control (SFC)

- Develop Shop Floor control fool- proofing Logic
- Set up rework routing

4. Label preparation

- Design Label based on F1 requirement
- Label sample photo FAI

5. Cross-functional Collaboration

- Work with production, maintenance, and IT teams to drive continuous improvement.

Education and work experience

1. Bachelor's in Industrial Engineering or related field.

2. Experience 3+ years in IE roles with exposure to layout design, Process improvement, and SFC tools (e.g., SAP etc.).

3. Familiar with factory construction and line setup planning.

4. Familiar with the process and common IE methods of electronics factories
5. Familiar with the principles of workshop site layout, with practical experience in planning and improving factory floor plans, and workshop logistics

Supervision

- This position has several direct reports from manufacturing engineering crew members.

Skills:

- Proficiency in CAD software, Most, Lean Manufacturing, Six Sigma, simulation tools (e.g., FlexSim) is a plus.
- Fluent in English listening and speaking.

Working conditions

- This role is primarily based in a fast-paced, high-volume manufacturing facility, requiring daily presence on the production floor to oversee processes, troubleshoot issues, and ensure MFG operational normal.
- May require occasional weekend hours to support production deadlines, emergency repairs, or project implementations.