



# JOB DESCRIPTION

JOB TITLE: *Engineering Intern*

DEPARTMENT: *Quality & Engineering*

The Engineering Intern will support States Industries' Quality and Engineering teams through process analysis, manufacturing efficiency projects, formaldehyde compliance testing, and industrial engineering studies. This position provides hands-on experience within a manufacturing environment while contributing to projects focused on process improvement, cost reduction, quality enhancement, environmental compliance, and operational efficiency.

This internship is expected to last approximately six (6) months and will provide exposure to manufacturing engineering, quality systems, environmental compliance, industrial engineering principles, and continuous improvement initiatives.

## **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Assist with formaldehyde emissions testing and documentation activities.
- Support compliance reporting and recordkeeping associated with CARB, EPA TSCA Title VI, and other applicable regulations.
- Collect, organize, and analyze manufacturing process data.
- Conduct time studies throughout manufacturing operations to identify opportunities for increased efficiency and productivity.
- Develop process flow maps and document manufacturing processes.
- Assist with labor utilization analysis and productivity improvement projects.
- Analyze manufacturing bottlenecks and recommend process improvements.
- Support engineering projects focused on waste reduction, yield improvement, and cost savings.
- Assist with statistical analysis and reporting related to manufacturing performance.
- Develop reports, charts, dashboards, and presentations for engineering and operational leadership.
- Participate in root cause analysis and continuous improvement initiatives.
- Support quality and engineering personnel with data collection and project implementation.
- Assist with special projects as assigned.
- Must support the team in achieving all Safety, Production, and Quality goals.
- Other duties as assigned by the Supervisor.

## **KEY PERFORMANCE INDICATORS:**

- Complete 100% of assigned formaldehyde testing and documentation requirements.
- Conduct and document time studies for assigned production processes.
- Develop process maps and identify improvement opportunities across manufacturing operations.
- Support at least 2 continuous improvement or cost-reduction projects.
- Deliver accurate and timely data analysis, reports, and project updates.
- Maintain compliance with all safety requirements and training expectations.

- Present a final report summarizing findings, recommendations, and potential business impact at the conclusion of the internship.

**EDUCATION and/or EXPERIENCE:**

- Currently pursuing a Bachelor's degree in Industrial Engineering, Manufacturing Engineering, Mechanical Engineering, Chemical Engineering, Environmental Engineering, Wood Science, Statistics, or related field.
- Junior or Senior standing preferred.
- Strong analytical and problem-solving skills.
- Proficient in Microsoft Excel and Microsoft Office applications.
- Experience with data analysis and statistical methods preferred.
- Experience with Power BI, Minitab, SQL, or other data analysis software is a plus.
- Ability to work independently and manage multiple projects.
- Strong written and verbal communication skills.

**WORK ENVIRONMENT:**

- General office environment.
- Use of personal protective equipment is required at all times. (Hearing protection and safety glasses)
- Frequent exposure to manufacturing environments including high noise, dust, jitney, forklift, and pedestrian traffic.
- Frequent walking and standing in production areas.
- Ability to perform observations and data collection in active manufacturing environments.