SUMMARY/OBJECTIVE:
The Engineering Intern position is considered an integral part of the Engineering Department and is provided with tasks that are both technically challenging and educationally stimulating.

ESSENTIAL JOB FUNCTIONS:

- Participate on cross functional continuous improvement teams using Lean Manufacturing, DMAIC (define, measure, analyze, improve and control) and statistical analysis tools with an end goal of improving quality and reducing internal costs.
- Create manufacturing drawings, document manufacturing processes for new product using standard work and set-up sheets, tooling/fixture design and work closely with Quality Department to ensure all quality requirements are met.
- Develop and update current process documentation and procedure instructions.
- Analyze and evaluate manufacturing methods and standards, provide solution to problems that adversely affect operator safety, quality, productivity and cost.
- Use troubleshooting and root cause analysis tools to implement corrective actions to known safety and quality concerns.
- Provide Engineering support in Operations to trouble shoot and resolve technical problems.
- Work closely with Operations to develop, coordinate and implement technical training for employees.
- Gather production data by working closely with production employees.
- Perform time studies on manufacturing equipment.
- Part failure analysis with emphasis on identifying root cause and suggestions for improvement.
- Support the development of technical and functional specifications, ordering tracking, run off and installation of manufacturing equipment and systems.
- Support day to day Manufacturing Engineering duties and on-going Lean initiatives.
- Work with Project Engineers to develop equipment, tooling requirements and cost estimates.
- Identify and implement continuous improvement projects.
- And, any additional duties that may be assigned by Management.
ENGINEERING INTERNS

Skills, Knowledge and Abilities

- Excellent organizational skills.
- Strong written, verbal, analytical and interpersonal skills.
- Critical thinking and problem solving skills; constantly striving to improve the product development process.
- Ability to adapt to project scope changes; analyze and resolve problems; and, make quick responsible decisions with limited information.
- Ability to maintain a neat, clean and orderly work area.
- Ability to display maturity and a high level of professionalism and dependability.
- Ability to be flexible in acceptance of assignments and schedules.
- Ability to demonstrate acceptance of responsibility and show pride in work performed.
- Ability to work in a safe and healthy manner while strictly following all safety rules and regulations.

EXPERIENCE AND EDUCATION:

- Must be a currently enrolled student; pursuing a Bachelor’s Degree majoring in Manufacturing, Industrial, Electrical Engineering or any related field.

PHYSICAL DEMANDS:

While performing the duties of this position, the employee is regularly required to stand; walk; reach with hands and arms; climb or balance and stoop, kneel, crouch, or crawl; and, push, pull, transfer, move, lift up to 50 lbs and occasionally 100 lbs. The employee must regularly push, pull, transfer, move, lift up to 50 lbs.