POSITION: Electrical Engineering Intern

DATE: 1/27/14

REPORTS TO: Manager, Engineering, Equipment and Building Maintenance

Electrical Engineering Intern will be responsible for providing electrical engineering support to manufacturing engineering. Key measures of success are in the areas of efficiency, quality, reliability, and cost.

PRIMARY RESPONSIBILITIES:

- The intern will begin learning the overall stamping operation by shadowing key personnel within manufacturing engineering, maintenance and production departments. After becoming familiar with our product and process, this individual will shadow manufacturing engineering personnel on daily tasks and projects.

- Examples of factory automation that the intern would gain experience on are listed below:
  - programming/troubleshooting Rockwell Automation and Omron PLCs
  - programming/troubleshooting ac, dc and servo drives
  - programming/troubleshooting Rockwell Automation and Omron Operator Interfaces
  - programming/troubleshooting Rockwell Automation Plant Metrix and OEE
  - programming/troubleshooting Rockwell Automation RsEnergyMetrix and power quality
  - troubleshooting ac/dc control circuits
  - vision system programming/troubleshooting
  - AutoCAD electrical diagrams drawing/updating

QUALIFICATIONS/REQUIREMENTS:

- A student working toward a degree in the Engineering Technologies (i.e. Electrical Engineering Technology or EET major) typically from a school of technology within a public university. Electrical Engineering Technologists often bridge the theoretical world of the engineer and the practical approach of the skilled workforce. EET graduates are problem solvers, and they can adapt product designs to the manufacturing process, saving companies time and money.

- The student should have had classes in electronics, motor controls, PLC and AutoCAD. The ideal candidate would also have finished his second year of studies within the four year program.

PHYSICAL REQUIREMENTS:

- Ability to walk, bend, kneel, and twist to diagnose equipment problems.