POSITION: Die Engineering Intern

DATE: 1/27/14

REPORTS TO: Manager, Engineering, Equipment and Building Maintenance

Die Engineering Intern will be responsible for providing die design support to die 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 and quality assurance departments.
- After becoming familiar with our product and process, this individual will study progressive stamping die function by shadowing the Die Engineering Design Technician.
- The intern will learn how each station operates within the die to order to form the flat raw material into a finished product.
- If available, the intern may help the Design Technician to build or condition a newly designed and built die into a production ready high speed stamping die.
- After learning the basics of how high speed progressive dies function, the intern will be expected to create solid models and prints using SolidWorks software.
- The intern will work with a Design Engineer to document supplier built dies into solid models, dies assemblies, BOM and fully dimensioned prints.

QUALIFICATIONS/REQUIREMENTS:

- A student working toward a degree in the Engineering Technologies (i.e. Mechanical Engineering Technology or MET major) typically from a school of technology within a public university. Mechanical Engineering Technologists often bridge the theoretical world of the engineer and the practical approach of the skilled workforce. MET 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 product design, manufacturing, high-end CAD, metrology, and mechanics of materials. The student should also have had opportunity to operate machine tools such as lathes, mills, and surface grinding. The ideal candidate would have taken classes in die design, especially high speed progressive dies used in metal stamping. 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.