



TITLE: Drafter

DEPARTMENT: Engineering

REPORTING TO: Engineering Manager

SUMMARY OF POSITION:

The Drafter will be focused on design projects and customer communication. Daily this position will be designing automotive components for production, working on multiple design projects, ensuring parts are able to be manufactured, This is a focused drafting position that requires 95% of the time to be spent at a computer station.

MAJOR FUNCTIONS AND RESPONSIBILITIES:

- Create CAD drawings in NX per customer request considering issues such as packaging, assembly, manufacturing, structural integrity, optimized material yield, and fatigue characteristics.
- Quoting process related responsibilities include, create welding cost analysis, enter material, stamping, welding, e-coat, wash, and purchased parts costs in NSI quote spreadsheet. Complete log and track customer math data. Create drawings for estimating. Estimate blank size using forming software. Perform blank nesting optimization. Estimate part wash and e-coat cost. Create weld drawing if not specified by customer, tooling suppliers, fixture suppliers, prototype shops.

JOB QUALIFICATIONS AND EDUCATIONAL REQUIREMENTS:

- Associates Degree in Mechanical or Industrial Engineering is required.
- Minimum 2 years of (automotive–desired) drafting experience, along with manufacturing processes.
- Proven ability with 2+ years of stamping, welding, tooling fixtures and advance automated assembly experience. As well as new tool design and build, including stamping dies and welding fixtures.
- Modeling ability, drafting, 3D parametric design using solids and sheets.
- Determine gross material use and or optimization of material.
- Excellent computer skills, including the use CAD software Unigraphics NX, Altair Hyperworks.
- Must be proficient with Microsoft Office Products, i.e. MS Excel, MS Word.
- Strong bias for action, ability to work in a fast paced team environment is essential, able to work on multiple projects, take pride in work and possess a high degree of flexibility and tolerance of change.

- Must be able to communicate effectively (verbal, written, and presentation skills) and easily explain technical terminology, manage time effectively, build relationships across disciplines (with the ability to motivate and lead others) and exercise varying degrees of judgment, independence and discretion.
- A valid driver's license is required.