

JOB DESCRIPTION

POSITION TITLE:	Design Engineer	DATE:	Dec 2009 (updated)
REPORTS TO:	Plant Manager, dotted line to Sr. Design Eng.	JOB CODE:	ENG411
FLSA STATUS:	Exempt	SALARY GRADE:	20
EMPLOYEES SUPERVISED:	none	DEPARTMENT:	Research and Development

JOB SUMMARY

Responsible for engineering and designing high performance automotive products and production tooling; Designs new products and makes improvements to existing products. Evaluate products, parts, or processes for cost efficiency and reliability. Designs a wide variety of tools consistent with standard tool configuration. Works with manufacturing to identify problems with performance or tool life and recommends solutions or enhancements. Relies on experience and judgment to plan and accomplish goals. A wide degree of creativity and latitude is expected.

ESSENTIAL FUNCTIONS

1. Coordinates work activities and output to assist in the overall design and engineering of products and tooling.
2. Develops new product applications from initial concept through production
3. Coordinates and manages proper measurement processes, testing, and design/prototype practices and documentation.
4. Conducts and coordinates 3-D modeling using Solidworks software.
5. Participates with cross-functional teams by providing technical support on components, materials, systems, and equipment.
6. Analyzes problems in design, process and test development. Recommends/implements solutions.
7. Maintain a professional working relationship with internal and external customer, supplier, and support staff.
8. Keeps Plant Manager fully apprised of all processes to ensure proper methodology and channels of communication are utilized.
9. Upholds company policy on providing exceptional customer service both externally and internally.

ADDITIONAL DUTIES

10. Assist marketing with creating artwork based on 3-D models.
11. Other duties as assigned.

REQUIRED EDUCATION, EXPERIENCE AND SKILLS

- Bachelor's degree (B.A.) for mechanical engineering.
- Minimum 4 years experience using CAD software specifically Solidworks; must be proficient with version 2007 or newer.
- Must be familiar with molding and sheet metal design using Solidworks software.
- Minimum 2 years experience with CNC machining. Experience must include CNC machine operation, materials handling, tool handling and machine programming.
- Background in performance automotive or a motor sport-related industry is necessary, preferably with an emphasis on air intake systems.
- Experience with metal fabrication.
- Intermediate knowledge of MS Office Suite

PHYSICAL REQUIREMENTS

Must be able to work a minimum of a 40 hour workweek, plus additional as required to complete assignments on a timely basis. Must be able to sit or stand for extended periods of time; must be able to transport oneself to and from offices. Must be able to read, write and converse in English; be able to see with

or without corrective lenses; have the ability to think logically and be able to lift and carry items with or without assistance up to 50 pounds.

ENVIRONMENTAL REQUIREMENTS

Office environment consists of a modular office that includes adequate lighting, heating/cooling, equipment and furniture in good working condition. Must be able to work constructively and cheerfully in an environment that may be stressful due to adversarial situations, and at all times maintaining company as well as employee confidentiality.

PLEASE NOTE: This is not necessarily an exhaustive list of all responsibilities, skills, duties, requirements, efforts or working conditions associated with the job. While this is intended to be an accurate reflection of the current job, management reserves the right to revise the job or to require that other tasks be performed when circumstances change.

Prepared by: Ellen Nevitt
Title: Human Resources

Approved by: Sam Enloe
Title: Plant Operations Manager

I have read the Job Description and I certify that I can perform all essential job functions without a significant risk to the health or safety of others, or myself that cannot be eliminated by reasonable accommodation.

Applicant/Employee Signature

Date