

PRECISION CONCEPTS, GROUP, LLC

JOB DESCRIPTION

TITLE: New Product Development Engineer
REPORTS TO: New Product Development Manager
DEPARTMENT: New Product Development
DATE: 8/3/2015
GRADE: Exempt

H1B SPONSORSHIP IS NOT OFFERED FOR THIS POSITION

JOB SUMMARY:

New Product Designer is responsible for estimating, new product development and process design. Duties include the direct interface with customers by means of telephone, email, on-line meetings and on-site meetings at the customer facility. Design duties include materials research, process development and design engineering. Communication with other departments when the program is in physical development or being tooled is essential. General program oversight is also expected until the product or program is in full production.

ESSENTIAL FUNCTION:

Design and develop a wide range of new devices or components or design improvements to existing product.

- General task management though Task Clarification, Concept Generation, Embodiment Design, Detailed Design
- Design includes the generation of full CAD models and assemblies to be detailed for component level manufacturing.
- When necessary, finite element analysis may be required to deflection or stress characteristics
- Presentations to review design concepts and details is routine for internal reviews as well as on-site for the customer is common. For on-site presentations and client consultations, travel to the customer is expected when necessary.
- All phases of any design and engineering development must be thoroughly documented and organized electronically and physically.
- Determine method of manufacturing or possible alternative manufacturing method is common. Reviewing new sales opportunities with outside sales is also frequent.

KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of Microsoft Office, Word, Excel, Power Point.

- Knowledge of SolidWorks or comparable solid modeling CAD program is required.
- Highly self motivated and directed.
- Ability to multi-task in an energetic environment.
- Skill in performing detailed and complex numerical computations and reports.
- Skill in both verbal and written communication.

TRAINING AND EXPERIENCE:

- Bachelor's Degree in Mechanical Engineering, or a related field is required.
- 3D CAD experience, SOLIDWORKS preferred
- Experience with data analysis
- MS product knowledge, specifically Excel and Word

Plant Manager/Director

Human Resource Director