



JOB DESCRIPTION:

Position Title: Mechanical Design Technician

Reports To: Project Engineering Manager

Job description

The Mechanical Design Technician will have mechanical aptitude skills in design of heavy-duty equipment, machining, and structures, preferably in relation to the underground mining industry. The Mechanical Design Tech will also assist in the operation of equipment when required that is dependent on the design component of the plant including, plasma table, metal works equipment, and efficiency planning of such. Proficiency in the use of Autodesk Inventor/AutoCAD Mechanical and be well versed in Microsoft Office application software is required.

Responsibilities include, but are not limited to:

- Analyze, conceptualize, and develop and build parts for mechanical mobile mining equipment.
- Take designs from conceptual stage through to manufacturing with minimum supervision. Will solve various mechanical problems, participate in product development, and develop mechanical equipment layouts; demonstrate, review and guide operators on the floor on details from drawings and designs.
- Check and validate all final design documentation, parts list, and drawings according to design and contract requirements, to ensure completeness and accuracy.
- Create full Design packages including bill of material, outsourcing of drafting, etc. as required.
- Interact with Engineering, Purchasing, and Manufacturing and outside suppliers as required.
- Manage and control projects to ensure that objectives are met in an economical and timely manner, and that applicable standard, procedures and quality control requirements are met.
- Will communicate between the operators and engineering departments for effective and accurate metal works on the floor.
- Will suggest new process and efficiency tools through newer technology and equipment.
- Will plan, establish, coordinate and guide operators and managements on QA/QC process and efficiency in the plant operations.

Qualifications:

- College Diploma in Mechanical Engineering Technology or equivalent
- A minimum of 3 to 5 years of experience in a related field
- Knowledge on composite material, experience (asset)
- A strong experience with solid modeling
- A demonstrated skill in product development with an understanding of manufacturability
- Knowledge of GD & T (Geometric Design and Tolerances), sheet metal work and welding
- Excellent English communication skills (written and spoken)
- Knowledge of ERP systems, and lean manufacturing principles

Job Type:

- Full Time

Salary:

- \$60,000.00 - \$65,000.00/year

Benefits:

- Dental Care
- Extended Health Care
- Life Insurance
- RRSP match
- Vision Care

The above description reflects the general scope and nature of the work performed. This description is not intended to reflect every duty and responsibility of the position but is intended to give a general outline of the position and its responsibilities. It is understood that the duties and responsibilities may change from time to time.