
Job Description Title:	Senior Design Engineer
Department :	Engineering Department- Recycling and Materials Handling
Reports to :	Engineering Director
Date Prepared :	January 2020

GENERAL ACCOUNTABILITY:

The Design Engineer is responsible for the planning, organization and directing of projects from concept through the design, prototype, manufacturing and commissioning stages. They are also responsible for ensuring that work meets established internal quality standards as well as customer specifications.

SPECIFIC ACCOUNTABILITIES:

- The development and optimization of McCloskey International equipment.
- Analyze of design and mechanical systems of current machines and use benchmarking to develop quality and efficiency.
- Development of high standard manufacturing drawings in accordance with standards to accompany work instructions and quotations.
- Production of detailed written work instructions for the manufacture and installations of products.
- Creating and maintaining 3D Model and 2D drawings of products for presentation, manufacture and marketing.
- Investigate mechanical failures or unexpected maintenance problems to make recommendations for corrective action and implements.
- Actively participate in the continuous Quality improvement process, and lean manufacturing strategies.
- Evaluate new materials, manufacturing techniques and processes.
- Complete any special projects as required. May be assigned to other areas of Operations, based on business or customer requirements.
- Report all accidents, incidents or near misses to the Supervisor.
- Observe all legislated H&S regulations as well as established workplace safety procedures.
- Cooperate with the Joint Health & Safety Committee in any Safety Program Review.
- Complete any special projects as required. May be assigned to other areas of Operations, based on business or customer requirements.
- Works in compliance with all Administrative, Health & Safety policies and procedures as per legislative requirements and as outlined in Company policies.

EDUCATIONAL BACKGROUND & EXPERIENCE REQUIRED:

The successful applicant will be educated to degree standard or equivalent in Design Engineering or relevant discipline with 5 years plus experience in the recycling and materials handling industry, with experience in mobile shredder and Trommel design particularly relevant.

- Must be proficient in MS Office (including, Word, Excel, PowerPoint).
- Good working knowledge of Desk Top Publishing.
- Previous 3D CAD experience essential, preferably using Pro-Engineer or Creo.
- 2D Autocad experience advantageous.
- Outstanding communication required with excellent written and verbal skills.
- Proven attention to detail and a strong team player with proven experience of working collaboratively with a range of departments.
- Problem solving and time management skills required.
- Self motivated and organized.

Please note: The above statement reflects the general details considered necessary to describe the principal functions of the job identified and shall not be considered as a conclusive description of all work required in the job.

Employee Signature

Date

Manager Signature

Date

Human Resources Signature

Date