

SolidWorks Mechanical Designer/Drafter

Job purpose

- This position is responsible for working with the Mechanical Engineers on creating and finalizing SolidWorks 2D drafting as well as developing and maintaining standard operating procedures (SOPs).
The role is accountable to ensure (in coordination with the Mechanical Engineers) all aspects of the
- SolidWorks 2d drawings and SOPs are kept up to date, accurate, and properly labelled so the production team can produce the required products effectively.
- The position will work with a team of talented Engineers through R&D, manufacturing, commercializing and validation of a revolutionary food dehydration technology.

Duties and Responsibilities

- Creation, detailing, and verification of engineering drawings and specifications with GD&T notations.
- Developing and maintaining SOPs for assemblies, shop tools and manufacturing processes.
- Designing and creating Bill of Materials (BOM) tables, weldment cut lists, and flat patterns for waterjet.
- Supporting the Mechanical Engineering team in anything that is a priority at a specific time.
- Assist with commissioning the machine as required.

Qualifications

- **Eligibility**
 - Must be a Canadian citizen or permanent resident to accept a permanent job offer.
 - Must have a BC Class 5 driver's license.
- **Education**
 - Diploma in Mechanical Engineering Technology or other related fields of study is required.
 - Certification in SolidWorks is an asset.
- **Experience**
 - Minimum 1 year of experience in Mechanical Engineering Technology or other related fields is required.
 - Working experience of SolidWorks is required.
 - Working experience of Geometric Dimensioning and Tolerancing (GD&T) is an asset.
 - Working experience of developing SOPs is an asset.
 - Working experience of SolidWorks composer is an asset.
 - Hands on experience on various shop tools, basic machineries, or CNC machineries is an asset.
- **Skills**
 - Strong organizational skills and attention to detail.
 - Excellent interpersonal and written communication skills.
 - Ability to gather and analyze data; and develop appropriate recommendations as necessary.

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- **Abilities**
 - Ability to produce detailed shop drawings.
 - Ability to manage time and multiple priorities to execute high-quality deliverables.
 - Ability to juggle different tasks at one time depending on the current need.
- **Other characteristics such as personal characteristics**
 - Ability to see big picture while not losing focus of the small details.
 - Ability to problem solve and communicate effectively (both verbal and written forms).
 - Strong work ethic and professional etiquette with the phone calls and emails.
 - Working as part of a team and maintain a positive and respectful workplace.
 - Able to work in an office environment full day.
 - Able to work in a warehouse shop environment when needed.
 - Willing and able to support the organization in tasks outside of the job description.

Working Conditions

- This role will work in collaboration with a talented team of Engineers, Food Scientist, Operations team, and the Production/Manufacturing team; and be required to set and deliver on the expected standards of excellence set by senior management.
- Work performed in office and manufacturing environment.

Physical Requirements

- Good physical mobility and ability to lift heavy objects.
- Standing and/or sitting for long periods of time.
- Able to work in closed spaced and/or elevated heights with the proper safety equipment.

Direct Reports

- Mechanical Engineer