

Senior Mechanical Designer

Career Opportunity:

Brunette Industries Ltd is a leading supplier of wood processing machinery for the Biomass/pellet, and forestry industries.

We require a **Senior Mechanical Designer** for our New Westminster facility. The ideal candidate will join our Engineering team and participate in the design and detailing of capital equipment primarily sold to the Forestry/Biomass Industries. Experience in machine design will be a required asset.

The candidate will have strong communication skills and be very organized in both digital and hard copy formats. The candidate will be able to manage several different types of projects including Capital Equipment, R&D, and Process Improvement. The candidate will be highly motivated and able to think outside of the box. Strong problem solving skills will be an asset.

This is a full-time position based out of New Westminster, BC.
The candidates' main function will be operating a SolidWorks workstation.

Qualifications:

- Mechanical Engineering diploma or degree.
- **Minimum Ten (10) years experience in machine design**
- **Minimum Four (4) years experience with SolidWorks and 3D modeling**
- Experience using AutoCAD / SolidWorks
- Hands-on experience in machine shop an asset

Responsibilities:

- Provide Mechanical Designs i.e. (3D Models / Assemblies / Detail Drawings)
- Work closely with Engineering and Production teams in the preparation of designs and working drawings.
- Process Engineering Change Orders (ECO).
- Check drawings for conformance to industry drafting standards.
- Generate detailed cut-lists and BOM's from completed drawings.
- Incorporate information from verbal discussion, drawings, sketches, photos, etc. into detailed fabrication and manufacturing drawings.
- Create design concepts, layouts, assembly drawings, detailed drawings and solutions by investigating and analyzing customer specific problems.
- Ensure form, fit, and function of multiple components.
- Cost estimates and "Value" Engineering.

Skills:

- Ability to take on a project from verbal or written instructions
- Meet tight deadlines when required.
- Open-minded and able to accept constructive criticism and changes.
- Aptitude for creative problem solving.
- Functional & competent in tolerancing and welding procedures
- Excellent English communication skills (written and verbal).
- Proven ability to conceptualize in 3D.
- Ability to manipulate and organize large multiple part in Solid Works.

- Experience and understanding in manufacturing processes.
- Perform tasks in a timely and efficient manner.
- Machine component selection and drive design.
- Engineering and calculations for stress and fatigue.
- Understanding of pneumatic and hydraulic systems
- Knowledge and experience working in the Forestry Industry an asset.

Computer Skills:

The candidate will be required to have strong computer skills and be familiar with most aspects of standard windows applications.

Required:

- Solid Works
- AutoCAD
- MS Excel
- MS Word
- MS Outlook

Asset:

- Visual Manufacturing
- MS Project

The Company:

- Our long history of manufacturing experience guarantees our customers an unsurpassed level of quality and leading edge technology built into each of our innovative products
- Repair and jobbing business compliments Capital Equipment
- Independently owned and operated.
- Head Office and main manufacturing facility located in New Westminster, BC
- Repair and Jobbing shop located in Price George, BC
- Sales office in Mississauga, ON
- Sales Office and Assembly plant located in Atlanta, GA
- More information can be found on our website: www.brunetteindustries.com

Application must include:

- Cover Letter
- Resume
- Brief description of SolidWorks experience
- References
- Salary expectations

Please be advised if your application does not include one of these elements, it will not be considered.

Email your cover letter and resume to Kristy@brunetteindustries.com

The subject line of your email must include: **“Senior Mechanical Designer – YOUR NAME”**

Thank-you for your interest in this posting. Only applicants who meet the above stated qualifications will be contacted.