

R&D Mechanical Engineer

Are you ready to dive into the exciting and innovative world of Engineered Wood?

Kadant Carmanah Design is recognized as a global leader of innovation in the design and manufacture of equipment in the Engineered Wood products industry and is the largest supplier of Stranders used in the production of Oriented Strand Board (OSB) and other wood-based composites.

We have an exciting opportunity to join the Research and Development Department as an R&D Mechanical Engineer.

We offer a competitive salary, bonus, and benefits with a great work/life balance.

The Role:

Reporting to the Director - Product Development, the R&D Mechanical Engineer's primary responsibility will be the design, specification, and integration of new and/or prototype equipment designed or supplied by Kadant Carmanah Design.

To ensure competitiveness in the industry and maximize product performance, the company regularly reviews manufacturing options and product design with a focus on reducing cost, while maintaining quality and product performance. These goals are reflected in product improvement and new product development facilitated through a structured R&D program.

Responsibilities:

- Investigating innovative technologies to improve Kadant Carmanah equipment operations.
- Mechanical technical support on R&D projects and seeking support when needed if outside field of expertise.
- Design, drafting, checking, and issuing of pertinent mechanical designs, including developing all technical documentation i.e. spare parts lists, data sheets, manuals, description of operations etc.
- Technical liaison to customers and their representatives (consultants) on specific R&D projects.
- Field installs and system troubleshooting of R&D prototype equipment, including start-up at customers site or remotely, as required.
- Field installs and system troubleshooting of R&D prototype equipment, including start-up at customers site or remotely, as required.
- Develop technical proposals and project summaries on R&D projects, i.e. proposals to outline purpose and cost estimates, and project summaries outlining all key findings and costs.
- Estimating and scheduling of R&D projects, includes the execution and completion of the work on time and within budget.
- Oversee and supervise work of subordinates (i.e. co-op students) as workload requires.
- Ensure mechanical systems are designed for safe operation and meet all relevant safety codes.
- Assist in the selection process for subcontracted services.
- Obtaining, organizing and retention of subcontractor technical documentation.

- Liaison with subcontractors providing services, including checking, and approving of technical documentation and drawings provided by them.
- Physical inspection and acceptance of subcontracted services.

Qualifications:

- 5+ years experience in a Mechanical Engineer role.
- Degree in Mechanical or Mechatronics Engineering or equivalent.
- Registered or eligible for registration as a Professional Engineer (EGBC) or Technologist (ASTTBC)
- Legally able to drive and travel outside Canada. Valid drivers license and passport is required.
- Strong verbal and written communications skills
- Strong organizational skills
- High level of initiative and a proactive approach to handling issues
- Proficient in SolidWorks Design.
- Proficient in Microsoft Office (word, excel, outlook) a plus.

Benefits:

- Extended Health, Dental, Disability, Life Insurance & AD&D after 3 months
- RRSP matching after 6 months.
- 3 weeks' vacation
- Flexible schedule
- Employee Assistance Program
- Company Events
- Casual dress
- On-site parking

Wage Range/Job Type/Schedule:

- Negotiable based on experience.
- FT - Permanent
- Monday-Friday
- Days

To apply for this position, please send a cover letter and resume to hr.carmanah@kadant.com.

We thank you for your interest; however only short-listed applicants will be contacted.