
Mechanical Engineer Position

The Mechanical Engineer will work closely with the production team by providing technical support on issues related to the companies design and build. You will assist production with the first build of new systems and proto type designs; prepare proposed design changes or revisions and assist with accuracy audits and root cause analysis, as well as participate in continuous improvement events. Utilizing superior engineering and product design standards, they strive to ensure that their customers' needs are met and expectations exceeded at every step of the process.

Our client is committed to:

- Work with customers as strategic partners to eliminate roadblocks and create efficient, robust processes.
- Team-based culture that enhances their many varied roles; roles that are comprised of meaningful, valued and fulfilling work.
- Leading with vision and courage to expand the business and take on new and varied future challenges

What the Mechanical Engineer does:

- Perform a full lifecycle product development (design, develop, test prototypes, manufacture and implement)
- Design systems and components that meet needs and requirements
- Conduct experiments methodically, analyse data and interpret results.
- Provides point of use routing and the assembly sequence for all components through the subassembly and coach assembly line.
- Prepares proposed design changes or revisions to correct the current design. Reduces the overall cost of the coach by suggesting and implementing cost reduction projects.
- Assists with audits that measure the bill of material and routing accuracies; identifying root cause of inaccuracies.
- Identify, formulate and produce effective solutions to emerging problems
- Evaluate final product's overall performance, reliability and safety
- Alter and modify design to meet requirements and to eliminate malfunctions
- Estimate budget and scope of project
- Solicit observations from operators
- Prepare product reports and documentation
- Engage in lifelong learning and develop new theories or methods

What the company will expect from you:

- Current registration as a P.Eng and in good standing with a provincial or territorial association In Canada.
- Training on or experience with Autocad and Unigraphics a definite asset. Familiarity with 2D or 3D engineering design and manufacturing tools (e.g., Inventor, ProE or other)
- Solid understanding of core concepts including mechanics, kinematics, thermodynamics, materials science etc.
- Creativity and analytical skills
- Ability to communicate technical knowledge in a clear and understandable manner
- Technical writing skills
- Able to manage multiple simultaneous demands, while meeting deadlines.

Interested applicants can apply with a resume to admin@tuffbuilt.ca