Mechanical Engineer

Western Grain Dryer Inc.

Location: Manitoba, Canada

Employment Type: Full-Time, Permanent

Experience Required: 3-5 years

Industry: Agricultural Equipment

Manufacturing | Industrial Engineering | Automation

Build Equipment That Makes a Difference at Western Grain Dryer Inc., your designs will become reliable, energy-efficient equipment that helps agricultural businesses protect their crops, improve productivity, and operate with confidence.

For more than 40 years, we have designed, manufactured, and modernized grain drying, grain handling, and related industrial equipment for customers across the agricultural industry.

Our reputation is built on practical engineering, dependable products, innovation, and long-term customer relationships.

We are seeking a motivated, detail-oriented Mechanical Engineer to join our engineering and manufacturing team and help shape the next generation of grain drying technology.

The Opportunity

As a Mechanical Engineer, you will contribute to the full equipment lifecycle, from concept development and detailed design through fabrication, assembly, testing, commissioning, and continuous improvement.

You will work closely with engineering, production, purchasing, and project management teams to turn practical ideas into high-performing industrial equipment. This role offers the opportunity to make a direct impact on equipment reliability, manufacturing efficiency, energy performance, and customer success.

What You'll Do

- Design mechanical components, assemblies, sheet metal parts, structural frames, enclosures, and complete industrial equipment using SolidWorks.
- Create 3D models, fabrication drawings, assembly drawings, bills of materials, specifications, and other manufacturing documentation.
- Develop practical, cost-effective designs for laser cutting, CNC machining, bending, welding, and assembly.
- Perform mechanical and structural calculations related to equipment loads, durability, airflow, heat transfer, safety, and performance.
- Collaborate with production teams to improve manufacturability, quality, reliability, efficiency, and cost.
- Provide technical support during fabrication, assembly, testing, troubleshooting, and equipment commissioning.
- Investigate equipment issues, identify root causes, and recommend corrective actions and design improvements.
- Support research and development projects involving energy efficiency, airflow management, dust containment, automation integration, and equipment modernization.
- Coordinate engineering activities with internal teams and external partners.
- Maintain accurate engineering records, drawings, specifications, and technical documentation.
- Help ensure designs comply with applicable codes, standards, and safety requirements.

Required Qualifications

- Bachelor's degree in mechanical engineering.
- Three to five years of relevant experience in industrial equipment, machinery manufacturing, agricultural equipment, or a related field.
- Eligibility for registration with Engineers Geoscientists Manitoba.
- Strong proficiency in SolidWorks 3D CAD.
- Experience creating manufacturing and assembly drawings.
- Knowledge of sheet metal design, structural steel fabrication, mechanical assemblies, and design for manufacturing.
- Understanding of CNC machining, laser cutting, bending, welding, material selection, and engineering standards.
- Strong analytical and problem-solving skills.
- Clear written and verbal communication skills.
- Ability to collaborate effectively with engineering, production, purchasing, and project teams.
- Strong organizational skills and attention to detail.
- Practical, solutions-oriented approach to engineering challenges.

Preferred Qualifications

- Professional Engineer (P.Eng.) designation or Engineer-in-Training (EIT) status.
- Experience with grain handling systems or agricultural equipment.
- Experience using SolidWorks Sheet Metal.
- Familiarity with finite element analysis, prototyping, or product testing.
- Experience with industrial automation or electromechanical systems.
- Experience designing equipment for demanding operating environments.
- Experience with continuous improvement, product innovation, or design for manufacturing.

Why Join Western Grain Dryer Inc.?

When you join Western Grain Dryer Inc., you will have the opportunity to:

- Build a long-term career with a stable, established Canadian manufacturing company.
- Work on complete industrial equipment systems from concept through operation.
- Contribute to products that improve efficiency and reliability in agriculture.
- Develop technical skills through hands-on engineering, testing, troubleshooting, and product development.
- Learn from experienced engineering and manufacturing professionals.
- Collaborate in a practical, supportive workplace where your ideas and expertise are valued.
- Grow professionally as our products, technologies, and capabilities continue to evolve.
- Help advance efficient, dependable grain drying technology for the agricultural industry.

How to Apply

Submit your resume and a brief cover letter outlining your relevant engineering experience and interest in this opportunity: **hire@westerngraindryer.com**

Position: Mechanical Engineer

Company: Western Grain Dryer Inc.

Location: Elie, Manitoba, Canada

Employment Type: Full-Time, Permanent

Western Grain Dryer Inc. is committed to providing an inclusive workplace and welcomes applications from qualified candidates of all backgrounds.