

# MacDon Industries Ltd. - Test Engineer /Technologist

680 Moray St, Winnipeg, MB

Full-time

## Job details

### Job type

Full-time

### Shift and schedule

Monday to Friday

We are looking for passionate Engineers or Technologists with a desire to test and validate the next generation of productive harvesting equipment!

You need to be ready to participate within a team environment in the development and the continuous improvement of innovative, market leading products. Team compositions vary and change, but consistently involve multiple engineers, technologists, team leaders, prototype shop and design personnel. There are also cross functional interactions with supply chain, marketing, product support, publications, manufacturing, and other specialists.

### REQUIRED QUALIFICATIONS

- Graduate of an accredited Engineering or Technology Program
- Eligibility for EGM or CTTAM registration
- Able to travel domestically and internationally for 1-2 weeks at a time, approximately 4-6 times/year.

### PREFERRED QUALIFICATIONS

- Internships or significant projects focused on the testing of mechanical, hydraulic, or electrical systems
- Knowledge of mechanical components, hydraulic systems, or electro-mechanical systems
- Experience working in a hands on environment using hand and power tools
- Familiarity with Off-road or Industrial Machinery and Manufacturers
- Familiarity with various types of agricultural production systems
- Familiarity with a Data Acquisition Systems and processing large quantities of data

### DUTIES AND RESPONSIBILITIES

- Design test fixtures to replicate real world scenarios of MacDon equipment, this includes:

- Design mechanical, hydraulic, and electrical systems
- Develop control software to replicate real world loading/environment
- Collect data to post process and compare to results from engineering prototypes
  - Instrument field prototypes with sensing and data acquisition equipment
  - Write technical reports and presentations to provide results and recommendations to all stakeholders.
  - Participate as a team member in all team project activities as identified, including but not limited to
  
- Develop detailed test plans to meet objectives of performance, cost, durability, etc.
- Provide guidance and mentorship to field test technicians with engineering prototypes
- Participate in Verification & Validation planning, design reviews, FMEA's, project development and planning, etc.
  - Other duties as assigned.

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Schedule:

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Work Location: In person

Click [here](#) to apply on Indeed.