

## MacDon Industries Ltd. – Current Product Design Engineer

### PURPOSE and SCOPE:

Participate as part of a team in the development and continuous improvement of innovative, market leading product designs. Team compositions vary and change from time to time, but will involve multiple engineers and technologists, team leaders, prototype shop and test personnel, supply/marketing/product support/publications/manufacturing and other specialists.

### RESPONSIBILITIES:

Participation as a team member in all team project activities as identified, including but not limited to:

Project planning

Component, subsystem, system designs to meet set objectives of performance, cost, durability, etc.

Prototype build planning and support

Prototype testing planning and support

Tool design and support

Development of product and service related publications

Materials and manufacturing processes selection

Vendor selection

Current product engineering support

Familiarizing with existing MacDon products and competitive products

Development of electronic design models, drawings, and supporting information.

Engineering analysis of designs using hand calculations and electronic FEA (and other) tools to confirm design capabilities

Design and support prototype build and test activities (field and lab test)

Review and take appropriate action to all daily test reports

Participate in a group or individually in the Root Cause Analysis to of product issues to determine the source of the issue.

Other duties as assigned

QUALIFICATIONS:

Graduate of an accredited Engineering or Technology program.

Eligibility for EGM or CTTAM registration.

Experience in machine design, and a strong background in mechanical/hydraulic/electrical systems are assets

Farm background is highly desirable. Including extensive experience operating and maintaining farm equipment; particularly harvesting equipment used in the markets MacDon competes in globally.

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