PURPOSE and SCOPE:

We are looking for passionate Engineers with a desire to design the next generation of productive harvesting equipment. You need to be ready to participate in a team environment in the development and the continuous improvement of innovative, market leading product designs. Team compositions vary and change, but consistently involve multiple engineers, technologists, team leaders, prototype shop and test 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 University Program

PREFERRED QUALIFICATIONS

- Farm background
- Internships or experience with projects focused on machinery manufacturing or design.
- Knowledge of mechanical components, hydraulic systems, and electro-mechanical systems
- Familiarity with Agricultural Machinery and Manufacturers.
- Familiarity with various types of agricultural production systems
- Familiarity with a CAD system, FEA software, design calculations
- Experience with hands-on skills such as welding, machining, and mechanical assembly.

DUTIES AND RESPONSIBILITIES

- Participation as a team member in project activities as assigned.
- Develop detailed product designs to meet objectives of performance, cost, durability, etc.
- Development of CAD models, drawings, and supporting information that meet MacDon requirements.
- Engineering analysis of designs using hand calculations, FEA software, and other tools.
- Identify, analyze, and mitigate product design risks.
- Prototype build planning and support.
- Product verification and validation through lab and field-testing.
- Travel to support product field-testing on average one month per year in North America.
- Supporting cross-functional activities (purchasing, manufacturing, quality, publications, product support, etc.).
- Project planning support.
- Other duties as assigned.

Interested applicants must submit a resume and cover letter to Tara Bees Cook at tbeescook@macdon.com