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**Regal Beloit Corporation** is a publicly owned corporation (NYSE: RBC) with operations worldwide. Regal Beloit is a leading manufacturer of electrical and mechanical motion control and power generation products serving markets throughout the world. Annual sales exceed \$2B. Regal Beloit is headquartered in Beloit, Wisconsin, and has technology, manufacturing, sales, and service facilities throughout the United States, Canada, Mexico, Europe and Asia.

Regal Beloit has been listed as one of "America's Best-Managed Companies" on *Forbes* magazine's 400 Best Big Companies list (January 2007), and as one of "America's Fastest Growing Companies" in *Fortune* magazine (September 2007).

**Job ID:** Job ID: 09-378

**Job Title:** Electromagnetic Design Engineer

**Location:** Fort Wayne, IN

**Responsibilities:** Primary responsibility will be key and active member of the New Product Development (NPD) team responsible for electrical and electromagnetic design of NPD's that are based on single or three phase AC induction motor or brushless DC motor platform and other topology. Key role in motor design, building and testing the validation of engineering samples, design growth and design confirmation samples all the way through pilot run and production ramp. Must work closely with manufacturing engineering and production facilities to develop manufacturable designs, and safety agency engineers to ensure UL/CSA approvals. Utilize simulation tools like ANSOFT/Infolytica to optimize electromagnetic lamination of single and three phase AC induction and brushless DC Motors. Development and maintenance of mathematical models and simulations tool to perform analysis and design synthesis of single phase KCP, KC, KH, KCR induction motors and three phase induction motors required. This effort will include continuous improvement of tools based on feedback of design engineers.

**Qualifications:** Bachelor/Masters of Science Degree in Electrical Engineering required as well as strong relationship and team building skills to understand internal and external customer needs and lead a cross functional and cultural team. Individual must be proactive, have strong problem solving skills, and exhibit good engineering judgment. Five years project leadership experience preferred, and electric motor experience.

**Desired Qualifications:** Experience required consist of a strong knowledge in motor designs and optimization in multiple topologies, and a working knowledge of computer programming languages used in the source code will be desirable to enable this candidate to make necessary upgrades in the tools. LSS Greenbelt or Blackbelt strongly preferred, as well as experience with power electronics or other electronic devices.

**Relocation:** Yes

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