



"At the Heart of What Drives Your World"

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 exceeded \$2B in 2008. 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: 10-533

Job Title: Electromagnetic Engineer

Location: Fort Wayne, IN

Responsibilities:

- Technical expertise in electromagnetic motor design engineering Permanent Magnet motors, induction motors; and other motor topologies.
- Participate in research and new product development of motors for new motor applications as well participate in design improvements in existing motor product lines.
- Execution of a process to take an idea from the concept to the prototype
- Support the project team on taking the concept to production, including design, prototyping, performance validation, and reliability confirmation.
- Work closely with electronics team, manufacturing, reliability, and safety agency engineers to ensure that new designs meet all requirements for production.

Required Qualifications:

- BS/MS/PhD in Electrical Engineering
- Solid engineering background in electromagnetic to design, test, and optimize induction motor, permanent magnet brushless motors.
- Minimum 5 years experience in electromagnetic design of fractional horsepower induction and PM motors.
- Ability to make architecture tradeoffs, perform detailed electromagnetic design including selection and design of components, loss calculations, cooling system design, magnetic design, and simulation.
- Working knowledge with Ansoft Maxwell 2D, 3D modeling software

Desired Qualifications:

- HVAC experience
- Familiarity with structural and thermal analysis of motors and air moving systems.
- Knowledge of Power Electronics and variable speed motor control.
- Fundamentals of materials magnetic properties and metallurgy.

Relocation Available: Yes

To apply, please send resume and salary requirements to: HRFtWayne@regalbeloit.com

Our organization is committed to the employment and advancement of minorities, females, individuals with disabilities, and veterans. If you fall into one of these protected classifications, we invite you to identify yourself and receive coverage under our company's Affirmative Action Plan by completing the self identification form that can be found on our website, filling it out and emailing it with your resume. You may inform us of your desire to benefit under the program at this time and/or any time in the future. Completion of this form is voluntary and in no way affects the decision regarding your employment opportunity. The information provided will be held in the strictest confidence, will be maintained in a separate file, and will not be used in a manner inconsistent with the Acts.