

CONTACT:

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MECHATRONICS ENGINEER

We are looking for a Mechatronics Engineer to work closely with the VP of Engineering on the development, deployment, enhancement and maintenance of automated systems for customer as well as in-house applications. You will be focused on electronic and computer control of mechanical systems and will have a major role in the initial design, development and testing of new products. This includes product specification definition, overall direction for product design, component selection, and real-time control and testing. The ideal candidate will be leading a team to develop a complete and cost effective automation solution to meet customer's performance and quality requirements.

Key responsibilities:

- Focus on developing custom solutions to meet specific customer defined requirements
- Translate customer requirement to technical/engineering specifications
- Develop automated motion solutions using in-house motion components
- Participate in formal systems design, product, process and certification reviews.
- Specify sensors, actuators, switches and control electronics
- Develop and implement control algorithms for optimal closed loop response
- Develop real-time tools for testing and characterization of linear motion systems
- Work closely with mechanical engineering to incorporate dynamic system requirements into the design process.
- Develop, assess and implement advanced control strategies for the automation of industrial tasks.
- Apply advanced electronic control systems to Mechanical, Pneumatic and Electrical systems.
- Analyze and provide creative, technically sound solutions to problems encountered in design and system integration.
- Assist in the design and development of high-technology engineering systems for the automation of industrial tasks.
- Coordinate and execute the packaging development and documentation for all Mechatronics owned electrical and electronic devices.
- Assist with production and automation issues that may arise with existing equipment and processes.
- Guide and direct resources required to keep equipment and processes at an operational level. Identify and implement corrective actions.
- Develop instruction manuals and run training sessions
- Confer with vendors, staff and management personnel regarding purchases, procedures and, product specifications, manufacturing capabilities and project status.
- Become a Mechatronics department expert on automated linear motion systems.
- Provide technical assistance to other departments and our customers.

Minimum Job Requirements

- Degree in Mechanical/Mechatronics Engineering or a related discipline; Master's degree a plus.
- 5-8 years of experience working as a mechatronics engineer
- 5+ years of experience interfacing mechanical and electronic/electro-mechanical systems.
- Strong understanding of dynamic systems and mechanical vibrations
- Expertise in real-time control of mechanical systems
- Well-developed knowledge of various sensors, actuators, and their application

- Experienced with Matlab and Simulink
- Fluent in Real-time programming languages (C++, Labview, etc)
- Experienced with National Instrument hardware and software tools
- Familiarity with PLC code and other program languages a plus.
- Excellent verbal, written communication and technical writing skills
- Proficient in MS Office applications
- Project management experience a plus
- Exceptional analytical and organizational skills
- Ability to work independently and meet deadlines

Encouraging our customer's imaginations through linear and rotary motion innovations since 1950, Bishop-Wisecarver Corporation is a second generation woman-owned manufacturing company that specializes in linear, rotary, and curved track guided motion technology and custom engineered solutions. Bishop-Wisecarver is the original creator of the DualVee® guide wheel technology, and we offer tough yet cost effective solutions that provide supreme performance advantages. Visit us online at www.bwc.com and connect with us through Twitter, Facebook, YouTube and Blogger.

If this opportunity matches your background and career goals, please email your current resume with a cover letter outlining your professional goals, where you found this ad, and your salary history & salary requirements to:

Katie Mendoza, HR Manager
Bishop-Wisecarver Corporation
Pittsburg, California
E-Mail: hr@bwc.com

Please include "Mechatronics Engineer" in the subject line

In the interest of time, your cover letter, resume, salary history & salary requirements, and incentive compensation MUST be included for your candidacy to be advanced.

Bishop-Wisecarver Corporation is an Equal Employment Opportunity/Affirmative Action Employer. We are committed to creating a diverse environment. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

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About Bishop-Wisecarver

Bishop-Wisecarver Corporation is a certified woman-owned manufacturer, and has remained one of the most respected names in guided motion technology since 1950. The San Francisco Bay Area company manufactures, stocks, and distributes guided motion components and systems for linear, rotary and curved track applications. Bishop-Wisecarver products are used worldwide in industries such as packaging, medical device manufacturing, liquid handling and measurement, controls and instrumentation and semi-conductor fabrication.