



16185 National Parkway Lansing, MI 48906

eckhartusa.com

Phone: 517 321 7700

AUTOMATION ENGINEER

Department: Automation
Reports To: Automation Manager
FLSA Status: Exempt
Updated: 03.19.2021

Working at Eckhart is an opportunity to directly impact the future of American manufacturing. We strive to improve the lives of the men and women who partner with us by developing and integrating custom engineered manufacturing solutions that enhance life and contribute to improved safety, efficiency, and product quality for our customers.

Eckhart invests in people because we believe it is our people who differentiate our solutions and our company from our competitors. For over 40 years our company has committed dedicated creative minds to conceptualize and design custom manufacturing solutions for industry. Our customers span automotive, aerospace, defense, industrial machinery, commercial construction, household appliances, medical devices, agriculture, and heavy trucks. We thrive solving our customers' most difficult problems and find satisfaction when customers receive safe and efficient turn-key solutions that transform their manufacturing landscapes.

Description

Eckhart is a premier market leading manufacturing solutions provider to Fortune 500 industrial manufacturers. We are seeking creative minds committed to innovative disruption like artificial intelligence, autonomous guided vehicles (AGVs), additive/3D printing, robotics, and microlocation spatial positioning. We believe companies that embrace Industry 4.0 will shape the future of how things are made.

From ergonomic lift-assist solutions, that help manufacturers transfer raw material and large components to points of assembly in factories, to turn key fully integrated controls that empower manufacturing companies to identify parts, confirm work sequences, and monitor product quality, our team loves creativity and ingenuity. We work closely with our customers to ensure their design to installation experience at Eckhart is exceptional.

An Automation Engineer I works alongside our operations and engineering teams to design, build, program and deploy custom automated equipment and solutions for every application, process and industry. Our goal is to exceed expectations and ensure our customers receive an exceptional experience at Eckhart.

Essential Duties and Responsibilities:

- Work cross functionally with all departments during all phases of the project including de-bug and runoff.
- Handles the basic engineering, programming, integration and commissioning of the following:
 1. PLC logic, servo motion and HMI displays utilizing applicable software
 2. Robotic systems (most common robotic brands include Fanuc, Kuka, Motoman, Universal Robotics, etc.)
 3. Vision systems to perform part recognition, part position, robot guidance, and quality inspections (most common vision systems used are Fanuc 2D and 3D iR Vision, Keyence, and Cognex)

- Assists with engineering and programming safety circuits for automated equipment and cells.
- Assembles mechanical and electrical components as needed.
- Must be able to travel within the continental US.
- Willing to travel a minimum of 25% of work year.
- When necessary, participate in classes and training seminars to learn new technologies and techniques deemed helpful to performance on the job.

Other skills and abilities:

- Develop system drawings using AutoCAD to produce engineering and production documentation as required
- Offline robot programming
- Ability to troubleshoot existing installations
- Ability to read and understand mechanical and electrical drawings
- Working knowledge of personal computer, keyboard, and software programs
- Working knowledge of manufacturing processes
- Strong interpersonal skills
- Good verbal and written skills
- Proven organizational skills
- Ability to prioritize and work with limited supervision
- Good presentation skills
- Ability to explain how and why specific conclusions were reached
- Ability to maintain confidentiality
- Ability to work well under pressure

Qualifications:

To perform this job successfully, an individual must be professional, proactive, and positive. Having a passion for exceptional customer service and support is a must. Being sensitive to the unpredictable demands and uncertainties associated with customer service is a requisite to delivering superior results and exceeding the expectations of very demanding customers.

Education and/or Experience:

Four-year degree in engineering (Mechanical, Manufacturing or Electrical) or a related field is preferred. Minimum (1) years experience of working with controls/programming robotics is required. Non-degreed applicants should have at least (6) years of related experience.