

## Job Description

### Product Research and Development Engineer

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**Summary:** This individual will support the identification, feasibility, and realization of automation processes to support KES product development on current and future automation systems.

#### Essential Duties and Responsibilities:

##### General:

- Use analytical skills to develop reliable automation solutions and prove machine performance in a test lab environment.
- Develop PLC programs, user interface screens, program Fanuc robots and then assemble, wire, and troubleshoot them on the demo room floor.
- Responsible for supporting sales team account managers with robotic cell simulations and system layout simulations.
- Perform efficiency and reliability studies on existing machine product lines.
- Excellent communication, collaboration, and teaming skills with internal teams, external partners, and direct customer interaction required.

##### Technical Skills:

- PLC Programing (AB)
- HMI Programing (AB)
- Machine controls engineering
- Machine Safety Standards
- RIA Safety Standards
- Fanuc robotics programing
- Knowledge of Robo guide simulation software to complete reach studies and cycle time verification
- Experience in Pallet Pro, Handling tool, IR Vision, and IR Pick tool
- Python Programing for Visual Components Simulation software
- AutoCAD 2D and Electrical
- Machine Vision experience
- Mechanical hands-on skills
- Ability to use hand tools to assemble machines.

#### Qualification Requirements

To perform this job successfully, an individual must be able to perform each of the duties satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

#### Educational Requirements

A BS or MS in an engineering discipline is preferred (Emphasis on Electrical) 5-8 years of related work experience.

**Pay Range:** Commensurate with experience; salary position.