

## Product Research and Development Engineer

### Job Summary:

The Product Research and Development Engineer will support the identification, feasibility, and realization of automation processes to support KES product development on current and future systems.

### Key Responsibilities:

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 Programming (AB)
- HMI Programming (AB)
- Machine controls engineering
- Machine Safety Standards
- RIA Safety Standards
- Fanuc robotics programming
  - 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 Programming for Visual Components Simulation software
- AutoCAD 2D and Electrical
- Machine Vision experience
- Mechanical hands on skills
- Ability to use hand tools to assemble machines.

### Education:

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