

Senior Project Engineer

(Erie, PA)

Swanson-Erie Corporation, a leader since 1919 in designing and building multiple station automatic assembly machines, is seeking a Senior Project Engineer.

Responsibilities

- Lead all technical aspects of machine design projects, including automatic multi-station machinery, custom tooling, integrated automation components, robotics and instrumentation.
- Guide the projects from design conception through complete build, validation and documentation.
- Create designs, drawings and bills of materials for build specification.
- Serve as the primary technical point of contact for internal and external communications.
- Coordinate with designers and vendors as necessary to complete successful machine designs.
- Coordinate with the production department to guide purchases and manufacturing processes to furnish all components required for the construction of the machines.
- Work with mechanical, electrical and controls personnel to complete the construction and development of the machines.
- Support project management as required.

Skills

- Strong verbal and written communication skills and ability to represent the company in a professional manner.
- High mechanical aptitude and knowledge; inclined toward electro-mechanical devices; excellent problem solving and time management skills.
- Self-motivated, highly organized and able to learn and adapt as required.
- Proficient in 3D solid modeling (SolidWorks and/or NX), 2D (AutoCAD preferred), and MS Office Suite.
- Proficient in drafting practices required for the manufacture of machine parts, in English and metric units and including GD&T.
- Practical knowledge of machine shop practices.
- Knowledgeable in commercially available automation components and devices used in machine equipment automation.
- Basic working knowledge of FEA is a plus.

Education & Experience:

Bachelor's degree in mechanical engineering or mechanical engineering technology.

10-15 years of experience in machine design & build including automation equipment.

Specific experience in the design and build of automatic assembly machines is highly desirable.