

KB Systems/GBE
Engineering Department



Job title: Sr. Design Engineer

Work Location: Bangor, Pa

Division: KB Systems

Department: Engineering

Reports to: Engineering Services Manager

Full-time
 Part-time

Exempt
 Non-exempt

Essential Duties and Responsibilities:

- Manage multiple company-level projects; review contracts, maintain schedules, validate released documentation, communicate with production control and manufacturing.
- Conceptually develop new designs and improvements to current designs.
- Analysis and specification of electro-mechanical and electro-pneumatic systems/components
- Produce detailed, accurate and complete layouts/installation drawings, equipment lists, and utility schedule and equipment specifications.
- Research and analyze customer design proposals, specifications, manuals, and other data to evaluate the feasibility, cost, manufacturing and maintenance requirements of designs or applications.
- Interfaces with outside vendors for component selection, manufacturing, and assembly.
- Evaluate and analyze new and existing equipment designs for cost efficiency and manufacturability.
- Generate parts manuals and spare parts lists.
- Work with manufacturing personnel to resolve equipment design or manufacturing issues when required.
- Generate and process ECN documentation.
- Produce structured BOM's and proper documentation for new and/or changed designs.
- Assist in evaluating and diagnoses customer equipment issues.
- Travel as required to collect data relevant to project (up to 25%).
- Maintain compliance with all engineering standards, accepted practices, company policies and procedures.
- Perform related duties as assigned by supervisor.

Education and/or Work Experience Requirements:

- BS degree in Mechanical Engineering or equivalent.
- 10+ years experience in mechanical design, equipment layout, and electrical theory.
- Knowledge of weldments, sheet metal and machining processes.
- Knowledge of ANSI Y14.5 GD&T Standards.
- Experience/familiarity with engineering change notices
- Excellent communication skills, both written and verbal.
- Ability to work independently and as part of a team.
- Proficient in SOLID WORKS.
- Working knowledge of AUTOCAD.
- Excellent computer proficiency (MS Office – Word, Excel and Outlook)
- Familiarity with Macola or other MRP systems preferred.
- Valid driver's license.
- Excellent verbal and written communication skills, including ability to effectively communicate with internal and external customers
- Must be able to work under pressure and meet deadlines, while maintaining a positive attitude and providing exemplary customer service
- Ability to work independently and to carry out assignments to completion within parameters of instructions given, prescribed routines, and standard accepted practices

Print Employee Name:

Employee signature:

Date: