



Position Title: Mechanical / Electro-Mechanical Engineer	Immediate Supervisor Title: VP, Global Product Development
Department: Engineering	Location: New Kensington, PA
FLSA Status: <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Non-Exempt	Grade: 13

Brief Summary of Position Purpose:

The Mechanical / Electro-Mechanical Engineer supports New Product Development projects as a Mechanical Design team member and acts as a lead for Sustaining Engineering initiatives at Bacharach. This includes participating in VOC research, writing Requirement Specifications, overseeing Industrial Design activities, completing mechanical system / subsystem designs, coordinating design documentation, conducting design reviews, overseeing verification testing and supporting manufacturing launch activities. Moreover, the role works with Quality, Manufacturing and Supply Chain representatives to identify legacy product support needs and cost reduction opportunities and leads the technical assessment, verification and design change process.

The Mechanical / Electro-Mechanical Engineer also participates in department continuous improvement initiatives and research projects and is responsible to ensure compliance to Bacharach's New Product Development and Engineering Change processes.

Essential Functions:

- Lead the technical requirement definition, design architecture, detailed design, verification and design documentation for mechanical aspects of assigned projects.
- Lead the assessment, qualification and design change process on identified Sustaining Engineering initiatives.
- Identify, document and pursue new intellectual property.
- Ensure all technical documentation is generated and reviewed in accordance with Bacharach's Engineering and Development processes.
- Lead assigned design planning and scheduling activities in cooperation with the NPD Project Manager.
- Participate in design reviews and technical investigations.
- Other duties as assigned.

Education/Training/Certifications:

- BS in Mechanical Engineering Degree or Electro-Mechanical Degree



Experience:

- Minimum 5 years of Mechanical Design experience in product development teams.
- Direct, hand-on product design experience in the following areas is strongly preferred:
 - Gas sensing technologies and/or industrial controls.
 - Hazardous location design principles.
 - Product compliance, 3rd Party agency approvals.
 - Plastic injection molded part design
 - IP / NEMA rated part design
- At least one project cycle working with multinational development teams and/or 3rd party teams.
- Industry knowledge in HVAC-R, Emissions Analysis and/or Industrial Gas Detection preferred.
- Demonstrated Project Management / Design Lead experience preferred.
- Experience working on multiple concurrent projects preferred.
- Demonstrated customer-centric approach to assignments.

Required Skill Sets: (e.g., computer skills, communications, math, etc.)

- Proficiency demonstrated in SolidWorks, AutoCAD, GD&T, configuration management.
- Strong interpersonal and communication skills, both verbal and written.
- Ability to work independently as well as within in a team.
- Strong planning and organization skills.
- Competency with Microsoft Office tools including Project, Outlook, Word, Excel and PowerPoint. SQL or other database application experience is a plus.
- Ability to communicate both internally and externally on technical and non-technical matters.

Physical Demands: (e.g., lifting, travel, etc.)

- Position requires concentration, accuracy, and focused mental effort.
- Works in normal office environment.
- May travel domestically and internationally as business needs require with occasional exposure to plant heat, noise, dust, dirt and fumes.

Pursuant to the Americans with Disabilities Act (ADA), reasonable accommodations may be made to enable qualified individuals to perform the essential functions of this job.

AA/EEO/M/F/D/V