

**Job Title: Mechanical Engineer**

**Job Summary:** Naura-Akrion is currently offering a challenging and rewarding opportunity for a Mechanical Engineering position. Working with a team of creative, passionate, goal-driven engineers to advance current products and create new innovative solutions. We offer a fast-paced, advanced environment where you will be empowered to perform broad engineering activities to support our global customer base.

We are searching for a highly skilled individual who can work on all product stages from concept through Manufacturing. The goal is to design and fabricate mechanical/ electro-mechanical /hydraulic / pneumatic systems for the state-of-the art semiconductor industry.

**Key Responsibilities:**

- Perform a full lifecycle product development (design, develop, test prototypes, manufacture and implement)for capital equipment product lines and subassemblies.
- Design systems and components that meet custom needs and requirements specific to customer needs using engineering disciplines of stress/strain, thermal analyses, CFD etc.
- Conduct experiments methodically, analyze data and interpret results.
- Quickly identify, formulate, and produce effective solutions to emerging problems and emerging markets.
- Alter and modify design to meet requirements and to eliminate malfunctions.
- Solicit observations from operators, customers, vendors, marketing for product improvements.
- Prepare product technical reports and documentation.
- Maintain Bill of Materials, work instructions and assembly drawings in parallel to each other, including associated Engineering Change order.
- Participate in product design reviews.
- Aid Technical Support and Service personnel.

**Requirements:**

- A minimum of an B.S. in ME, or other relevant degree, together with a minimum of 3 years engineering experience in a manufacturing or semiconductor environment.
- Proficiency in 3D engineering design and manufacturing tools (Solidworks and AutoCAD preferred)
- Solid understanding of core concepts including mechanics, kinematics, materials science etc.
- Create drawings to ISO standards with appropriate tolerancing.
- Experience with fluid dynamics, finite element analysis (FEA), stress analysis and FMEA is a plus.
- Hands-on technical experience with fabrication, mechanical assembly is a plus.
- Creativity and analytical skills.
- Ability to communicate technical knowledge in a clear and understandable manner.
- Ability to design proof of concept models for DVT (Design Validation and Testing)
- Must have good problem solving and troubleshooting skills.
- Must have excellent organizational skills.
- Computer skills to include Microsoft Office products - Word, Excel, PowerPoint