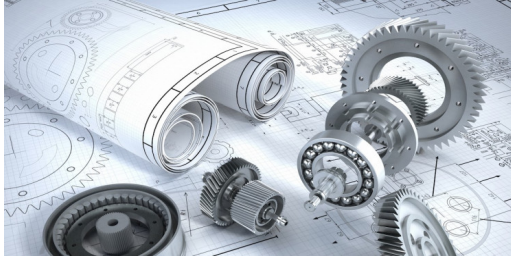




## **Trainee/Internship Program Offer**

### **(10672) Mechanical Engineering Training – San Fernando, CA**



**Start Date:** July – August 2023

**Program Duration:** 12 - 18 months

**Compensation:** \$20.00 per hour

**Housing:** not provided

**Number of Position Offered:** 1

#### **Host Company Description:**

The host company provides products and services worldwide and specializes in the engineering and production of high technology, thin wall flexible metal components and systems for automotive and industrial applications. It has diverse engineering and manufacturing resources to design and build unique metal bellows assemblies and metal joining solutions for customer applications. They are vertically integrated with all engineering disciplines and manufacturing processes in-house. Sophisticated engineering tools including CAD/CAM and 3D Solid modeling are utilized to support challenging applications.

#### **Position Description:**

- Mechanical Engineering Trainee will have the opportunity to gain practical experience in various aspects of our manufacturing processes, with a primary focus on mechanical systems and components. This is an excellent opportunity for a recent graduate or entry-level professional who is passionate about mechanical engineering, manufacturing, and continuous improvement.
- Assist the mechanical engineering team in designing, analyzing, and optimizing mechanical systems and components for our manufacturing processes.
- Collaborate with cross-functional teams to identify areas for mechanical system enhancements, evaluate feasibility, and propose innovative solutions.
- Support the installation, configuration, and troubleshooting of mechanical equipment, including machinery, conveyors, and robotic systems.
- Participate in the design and development of 3D models, drawings, and specifications for mechanical components and assemblies.
- Conduct testing, validation, and performance analysis of mechanical systems to ensure compliance with specifications and quality standards.
- Assist in the implementation of preventive maintenance programs for mechanical equipment, including calibration and routine inspections.
- Analyze production data and participate in continuous improvement initiatives to optimize mechanical systems' performance and efficiency.

#### **Applicant Qualifications:**

- To apply for the **Internship** program, applicants must be **Mechanical Engineering** undergraduate/graduate students OR a recent graduate who begins program within 12 months of the graduation date.

- To apply for the **Trainee** program, applicants must hold **Mechanical Engineering**, degrees and have least 1 year of professional work experience related to the degree, OR be career professionals of 5 or more years of professional experience in this field
- Must speak fluent English (reading and writing)
- Strong knowledge of mechanical engineering principles, including mechanics, dynamics, and materials.
- Proficiency in computer-aided design (CAD) software, such as SolidWorks or AutoCAD.
- Familiarity with mechanical analysis tools, such as Finite Element Analysis (FEA) or Computational Fluid Dynamics (CFD).
- Understanding of manufacturing processes and experience in designing for manufacturability and assembly.
- Strong problem-solving and analytical skills with attention to detail.

**How to Apply:**

1. Submit a professional resume with a professional photograph
2. Submit a 2–3-minute video link demonstrating English skills
3. Submit academic transcripts
4. Indicate availability dates (start and end dates)
5. Indicate this offer number and title