

Job Title	Mechanical Designer	Levels	1,2
Department	Mechanical Engineering	Classification	Exempt
Report To	Mechanical Engineering Manager	Benefits	All
Day Shift	Mon-Thurs, 9 hours: 8:00am-5:00pm + flex time Fri, 4 hours: 8:00 am-11:30am + flex time	Background Checks	Previous Employment: Yes I-9: Yes Criminal: Yes Driver Motor Vehicle: Yes
Status	Full Time – 40 hours		
Travel	Supplementary		

General Purpose:

Responsible for producing a mechanical design for packaging machinery, within a given timeframe, that meets the customer’s specifications using creativity and innovation.

Essential Functions:

- Handles all aspects of design engineering work
- Provides production support to the machining and assembly areas
- Uses Pro/E to model purchase parts and custom parts
- Drafts detailed multi-view drawings of machine and products
- Performs research on design of manufacturing processes
- Performs prototyping activities of new product development
- Evaluates and approves design changes, specifications, and drawing releases
- Reviews product design for compliance and engineering principles, company standards, and customer’s requirements
- Presents their system and the assemblies that make up the system to the customer
- Works with vendors, customers, and employees on a professional level
- Controls expenditures within limitations of project budget
- Determines problem analysis and problem resolution
- Specifies and orders integrated tools/equipment
- Troubleshoots to solve problems related to assigned projects
- Creates BOM’s for purchased parts and machined parts
- Directly communicates with customers in the form of meetings and presentations to understand and define their needs

Supplementary Functions:

- Maintains a clean and safe work area everyday
- Shows a strong eagerness to learn and a positive attitude everyday
- Attends and participates in scheduled meetings
- Travels to customer’s plant to give presentation on their system and the assemblies that make up the system

Education, Experience and Qualifications:

Level 1

- B.S. degree in Mechanical Engineering required
- Experience in manufacturing environment with machining and mechanical assembly preferred

Level 2

In addition to Level 1:

- Must have a valid driver's license and a record clear of poor violation convictions such as reckless driving or Driving Under the Influence (DUI/DWI) within the past three years or two or more at fault accidents within the past three years.
- Minimum of two years FAI design engineering experience required or equivalent

Job Knowledge, Skills and Abilities

Level 1

- Displays moderate skill level in Pro/Engineer software
- Demonstrates computer literacy with MS-Word, MS-Excel, and MS-Outlook
- Demonstrates a brilliant imagination
- Capable of designing new concepts and standards
- Ability to think ahead and plan over a 3 – 6 month time span
- Displays great leadership, interpersonal and communication skills
- Displays great attention to detail
- Ability to work in a team environment
- Shows organizational skills and the ability to handle multiple projects simultaneously
- Shows knowledge of production and assembly techniques
- Ability to solve practical problems
- Ability to travel 10% of the year
- Exhibits troubleshooting skills, both mechanical and electrical

Level 2

In addition to Level 1:

- Displays high skill level in Pro/Engineer software
- Must be able to make good decisions independently
- Ability to speak effectively before customers
- Ability to develop a new product

Working Environment:

- Works in an office environment
- Exposure to shop elements such as loud noises, dust, fumes, odors and machinery that has moving parts



Physical Requirements:

- Sitting for long periods of time
- Ability to focus on computer screen for long periods of time
- Requires regularly standing, reaching, bending and moving about the facility