

## **ASPECT AUTOMATION Position Description**

**Position Title:** Design Engineer  
**Department:** Engineering  
**Reports To:** Mechanical Engineering Manager

### **Primary Objective of Position**

Under minimal direction, design and develop custom equipment from concept through delivery. This is accomplished using advanced engineering analysis and CAD techniques that support complex designs and aggressive schedules.

### **Major Areas of Accountability**

#### **1. Design**

- Effectively design custom equipment by applying engineering skills and experience. This is accomplished by utilizing engineering calculations and tools, specification and purchase of major equipment, sizing and selection of motive components, material and finishing selections and the application of manufacturing practices per Aspect Automation standards

#### **2. Leadership**

- Motivates self and others by initiating actions, delegating appropriately, and effectively communicating the project goals, requirements and results to team members and management
- Lead projects and project teams as requested

### **Supervisory Responsibility**

None

### **Essential Qualifications**

- A bachelor's degree in Mechanical Engineering and a minimum of three years of relevant experience, or a related two-year post high school diploma/certificate and a minimum of seven years of relevant experience
- Ability to perform a variety of engineering calculations (structural, kinematics, dynamics, etc.)
- Experience preparing engineering documentation, such as multi-level bills of materials
- Ability to travel, including air, occasionally overnight.
- 3D Solid Modeling proficiency (preferably SolidWorks)
- Knowledge of geometric dimensioning and tolerancing
- Experience designing and conducting experiments and tests
- Demonstrated effective interpersonal and communication skills

## **ADA Requirements**

### Office II

- Typically sits, grasps items and performs keyboarding for frequent operation of a computer
- Stand, walk, bend, reach or otherwise move about occasionally
- Lift, move or otherwise transfer items up to 30 lbs. occasionally
- Occasional exposure to typical machine shop physical hazards
- Travel by air or car occasionally