



Mechanical Systems Designer Job Description

JLS Automation is currently accepting candidates for Mechanical Systems Designer for our corporate office in York, PA. The Mechanical Systems Designer will work with a leader in primary and secondary packaging machinery for the food manufacturing industry using cutting edge robotics technology. We have an exceptional customer-focused and employee centered culture in a heavy growth mode. This is a full-time, exempt position reporting to the Design Engineering Manager.

Mechanical Systems Designer Job Objective

The Mechanical Systems Designer is responsible for the complete mechanical design of a JLS System. This includes significant CAD work to create solid models and detail drawings, and bill of material creation. Design skill requirements include frames and welded structures, dynamic components such as robotic tooling, and pneumatics.

Mechanical Systems Designer Job Duties and Responsibilities

- Define, develop, evaluate and verify designs to meet product requirements and target costs;
- Prepare detail drawings of various mechanical systems;
- Prepare system layout and assembly drawings for machine systems;
- Work with sales and engineering on specifications and requirements;
- Detailed design work for hardware, machined parts, integration components and various mechanical components;
- Ensure drawing compliance with company CAD standards and styles;
- Review complex drawings and layouts to ensure clarity, completeness, form, fit, function and conformity to standards, procedures and specifications. Identify design errors, omissions or other deficiencies.
- Responsible for meeting project deadlines;
- Work with customer on an approach to a problem and develop appropriate solution(s);
- Assist in sizing and selection of mechanical components;
- Design in CAD of solutions to customer problems;
- Importation and translation of customer and vendor supplied CAD data;
- Creation and maintenance of JLS CAD libraries for components and designs;
- Creation, maintenance and communication of Bill of Materials;
- Work with purchasing department to acquire material necessary to complete projects;
- Creation of drawing and documentation packages;
- Required to control costs, adhere to a schedule, and improve the quality of a product/service;
- Performs other duties as required;

Mechanical Systems Designer Knowledge, Skills and Abilities

- High School diploma plus specialized training or a 2-year college degree;
- 6-10 years of technical/professional training experience required;
- SolidWorks Experience preferred;
- Prior mechanical design experience required;
- Strong knowledge of manufacturing processes preferred;
- Ability to perform multiple tasks with a diversity of problems
- Ability to lift 25 to 50 lbs.;
- A proficient level of computers is required.
- Proficient use of machine and measuring tools is needed;
- Ability to generate problem solutions, serve as an advisor, develop operating procedures, and influence other employees' work to some extent;
- Required to control costs, adhere to a schedule, and improve the quality of a product/service;