



Position: Design Engineer I

Farris Automated Systems LLC is a supplier of custom automated assembly equipment for the automotive, biomedical and general manufacturing industries. We offer complete turnkey systems from concept to installation. Farris Automated Systems employs a team of engineers, machinists and assembly workers in Mukwonago, WI.

We are searching for engineers that can create new designs from a white sheet of paper. Every machine we make is unique. Your ideas will be combined with the customer's requirements and the rest of the FAS team.

Job Description:

Intern and Entry level position for the mechanical design of automated equipment. You will learn how to specify and use cylinders, machining components, linkages, motors, HP, torque, valves and basic electrical control knowledge. The ability to work closely in a team of innovative and energetic engineers is an absolute requirement. The pace of work is extremely fast. The ideal candidate will have the creativity and desire to solve problems at the design stage, generate concepts to follow a detailed SOP, design and draft in Creo and Solidworks. You must also be mechanically hands on for assembly of your designs and solutions.

Requirements (5 out of 8)

- Associates or BS in Mechanical Engineering
- 0-2 years of mechanical automation design
- Familiar with Creo or Solidworks
- Knowledge of pneumatic circuits and sizing principles
- Kinematics and structural analysis
- Machine frame design and welding principles
- Detailing of components and assemblies
- Ability to specify and pick out purchased components and vendors

The job will be non-repetitive in nature with 6-8 machines designed per year. The estimated job categories are:

- 50% CAD Drafting
- 20% CAD Design
- 20% Hands on assembly and building
- 10% Project Management, installation

The estimated travel for the position will be less than 10%.
Some weekend work will be required.

Interview will require a Solidworks or Creo test that will take upto 1 hour.

Benefits:

- 2 weeks vacation, + holidays, + Flex Hours, comp time
- Job training on new technologies for current applications
- 401k, Health / Dental insurance and profit sharing
- Relocation package available.
- On the job training
- Opportunity for end of year bonus after 1 year