

Company:	Crossing Automation Inc.
Job Title:	Mechanical Engineer
Reports To:	Director, Hardware Engineering
Location:	Fremont, CA

Key Competencies

Skills Required:

- 1) All aspects of the mechanical design and development of new products. Analytical skills for loads and stress analysis calculations.
- 2) CAD modeling, 1-2 years Solidworks experience, 2-4 years PRO-E experience is a plus
- 3) Knowledge of fundamentals of electromechanical components as motors, bearings, actuators, mechanisms.
- 4) Knowledge of vacuum technologies and vacuum components is a plus.
- 5) Knowledge of materials and good design practices for the material of choice.
- 6) Good communication skills
- 7) Hands on skill for assembly of mechanical components.
- 8) Knowledge of sheet metal design and manufacturing.
- 9) Knowledge of GD&T and tolerance analysis as a best design practice.

Education/Training:

- Minimum BSc degree in ME.
- Minimum 4-5 years experience in a development environment, knowledge of Semiconductors equipment is a plus.

Key Job Events/Responsibilities:

- The job is to support new customer requirements specials and help with the mechanical development and integration
- Contribute to the development of the new generation Crossing Automation equipment and machinery.
- Design and development of equipment for vacuum applications, integration of pumping and venting lines, gauges and seals for vacuum tools.
- Provide guidance and communicate within the organization the aspects of the designs and development schedules
- Other job duties as assigned by manager