

## **Mechanical Engineer**

PIA Automation US seeks a **Mechanical Engineer / Designer** to design automatic assembly equipment.

### **Responsibilities**

- Evaluate preliminary design at quote stage and determine feasibility of quote based on customer requirements and specifications
  - Use 3D modeling software to design equipment based on customer specifications, and compare against previous designs
  - Determine material, heat treat, plating etc., based on requirements and cost
  - Check received customer prints and maintain in Engineering file
  - Prioritize tasks and track results to meet deadlines
  - Manage costs (materials and time) related to mechanical design budgets
  - Review design with Controls and Manufacturing Departments
  - Develop drawing package for fabrication and assembly
  - Check drawings for accuracy
  - Assist Manufacturing during fabrication, assembly, and debug
  - Write specifications for vendor purchases
  - Create Bills of Material of purchase items. Verify that part numbers and revision levels match design requirements
  - Perform stress analysis as required for designs
  - Maintain project records
  - Respond to customer questions in support of new programs and quotes
- Required Experience / Education
- **Experience / Education**
  - Bachelor Degree in Mechanical Engineering preferred
  - Automation experience preferred
  - Must be proficient in 3D CAD software, preferably SolidWorks

### **What does PIA offer?**

PIA Academy, an excellent in-house training program

- PIA Life, because we care about the well-being of our employees
- PIA Worldwide, an international company that offers working experience at PIA locations in North America, Europe, and Asia
- Medical/dental/vision insurance, generous paid time off, and 401k