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## MECHANICAL ENGINEER (Machine Design)

DEMCO Automation is a regional leader in designing and constructing automated assembly systems for the medical device, electronics, pharmaceutical, automotive, and consumer products industries. We are located in Quakertown, PA, and searching for a Mechanical Engineer (Machine Design) to join our team:

### Experience & Requirements:

- BSME
- 3-5 years minimum experience in equipment/machine design with a proficiency in 3D design tools such as Solidworks or AutoCAD 2007 3D or higher version.
- Design mechanisms, tooling, and processes for automated assembly systems.
- Create and modify CAD drawings and material lists including machined parts, assemblies, pneumatics, and other items related to automation systems.
- Work in a team environment with engineering, management, and manufacturing personnel to provide innovative solutions.
- Experience and working knowledge of pneumatics, bearings, slides, sensors, mechanical adjustments, dies, tooling, etc.
- Experience and working knowledge of drafting standards, tolerances, machined parts, etc.
- Detail oriented.
- Ability to prioritize and organize.
- Good analytical, writing, and communication skills.
- Ability to multi-task and perform outside of job description.

### Roles & Responsibilities:

- Design and document various machine elements within custom automated assembly systems including areas such as assembly mechanisms, tooling, robotics, safety systems, machine frames, and pneumatic/motor-driven actuators.
- Specify commercial components, materials, coatings, and other pertinent design information.
- Create and update Bill of Materials, Assembly Drawings, As-Built Drawings, and set-up procedures.
- Occasionally visit customer sites for design meetings, service calls, retrofits, or other activities.
- Communicate with customers and suppliers to relay design information.
- Coordinate and lead projects through engineering, design, manufacturing release, fabrication/assembly, test/debug, conditioning, FAT, and installation/service.
- Create and/or maintain project schedules as necessary.
- Work in an Applications Engineering role as required to develop technical descriptions costing, proposals, and other sales related activities.