



robotics.  
innovation.  
technology.

automation redefined™

[www.demcoautomation.com](http://www.demcoautomation.com)

300 Commerce Drive  
Quakertown, PA 18951

888.419.3343

215.538.9700

f. 215.538.8144

## MECHANICAL DRAFTER-DESIGNER

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 Drafter-Designer to join our team:

### Experience & Requirements:

- 3-5 years experience in equipment/machine design with Autodesk Inventor and/or related systems. AS/AAS or equivalent work experience.
- Create and modify CAD drawings including machined parts, assemblies, pneumatics, and other drawings related to automation systems.
- Develop Bill of Materials and spare parts lists, operator manuals, and component documentation.
- Work in a team environment with Engineering, Management, and Manufacturing personnel to provide innovative solutions.
- Computer literate (proficiency in MS Word, Excel, Outlook, etc.).
- Working knowledge of drafting standards, tolerances, machined parts, etc.
- Experience with measuring instruments (caliper, micrometer, gauges, etc.).
- Working knowledge of pneumatics, bearings, slides, sensors, mechanical adjustments, dies, tooling, etc.
- Detail oriented.
- Ability to prioritize and organize.
- Good math, 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 mounting brackets, assembly mechanisms, robotic grippers, safety guarding, machine frames, 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.



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## **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.
- Perform engineering calculations estimates, feasibility studies, prototypes and other development activities critical to creating a successful engineered system.
- 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.