



On Demand Pharmaceuticals, Inc.: Mechanical Engineer

On Demand Pharmaceuticals (ODP) is changing the way we make and distribute medicines—by providing them to everyone, everywhere, every time. ODP is creating innovative manufacturing platforms to enable our vision to produce critical medicines at the point of care and to secure the pharmaceuticals supply chain. As a young organization, ODP offers an exciting opportunity for passionate scientists and engineers to make a difference in the world while developing career paths for advancement. ODP is seeking a Mechanical Engineer to support the development of our next generation medicine manufacturing platforms. Our manufacturing platform is comprised of modules that can chemically synthesize active pharmaceutical ingredients, purify crude products, and formulate into finished drug product. These modules are miniaturized and mobile and can be deployed anywhere in the world to strengthen pharmaceutical supply chain and enable local production of medicines. This position will be responsible for:

- Development, construction, procurement, change control and maintenance of the complex parts and equipment associated with the next-generation medicine production platform.
- Implementation of automation and equipment control, as well as verification of operational parameters.
- Assisting with appropriate documentation.
- Providing general mechanical and/or electrical engineering across multiple projects as assigned.
- Developing and/or maintaining engineering diagrams for all the equipment and control systems.
- Working with ODP's chemists to advance manufacturing capabilities to increase functionality.
- Maintaining ODP's leading edge by creating new technical platforms and capabilities.
- Delivering results in a high paced environment.

Minimum Hiring Standards:

- B.S. in mechanical, electrical engineering or a related field.
- Electrical and or mechanical design, implantation and performance verification.
- Direct experience with the development of custom, automated, manufacturing or process equipment.
- Experience with SolidWorks for the design and prototyping of compact systems.
- Ability to operate with comfort in a machine shop.
- Strong understanding of fluid dynamics and plumbing fluidic and gas systems, heat transfer and temperature control, and machine design of compact systems.
- Ability to work collaboratively with multi-disciplinary cross-functional research teams.
- Strong written/oral skills required, and ability to communicate technical concepts to a non-technical audience.
- Energy and passion to thrive in a start-up environment and to deliver on the mission of On Demand Pharmaceuticals.

Preferred Hiring Standards:

- Individuals with > 5 years of experience and training.
- Automation control software development.
- Experience with process monitoring and controls.
- Experience with compact OEM pumps, valves, sensors, and mechanical actuators.
- Experience selecting appropriate polymers and other materials for use with solvents and acids.
- Candidates with experience in continuous processing of chemicals, materials, or pharmaceuticals.
- Experience with industrial manufacturing technologies and processes (e.g. CNC machining, water jetting, 3-D printing).
- Experience with a variety of other engineering programs including AutoCAD, Matlab, PDM Works.

Application materials:

Send a letter of intent and resume/CV to:

Eugene J. Choi, PhD
Chief Technology Officer

eugene@ondemandpharma.com