



Mechanical Engineer

Pay range: \$73-85k DOE

****This position is located in Syracuse, NY.**

Bluefors and Cryomech have recently joined innovative forces to become a world leader in cryogenic technology and manufacturing. Now, as the new Bluefors, a company of 600 professionals from 50+ different nationalities and growing, we are proud to continue serving quantum technology, scientific and other select industries throughout the world.

Bluefors is a Finnish-based company formed in 2008 and quickly became a market-leader in ultra-low temperature systems. We design, customize and manufacture measurement systems that can provide a clean and quiet environment for scientific research. Cryomech, a world leader in cryocoolers and cryogenic systems, has been a Syracuse-based high-tech manufacturer since 1963, and will continue to be the brand of product lines from Syracuse.

Together we have a strong focus on the quantum computing and information community, and we are here to support scientists and industries go further in their endeavors. For this we have brought together the best minds from a variety of fields. Here we are curious to the core, have wide-range expertise, and have one mission: progress. Together we deliver systems all around the world and the markets for our products are constantly growing.

Position Summary

Assist and contribute to the engineering, manufacturing, and quality departments. This position is responsible for creating and maintaining engineering, production, and quality documentation in accordance with the company's Quality Management System.

Essential Duties and Responsibilities:

- Create and maintain engineering documentation including product manuals, production work instructions, bills of materials (BOM), and engineering project folders
 - Assist with product life cycle management
 - Generate, modify, and maintain 3D models, 2D CAD-schematics, PID's and 2D drawings for Cryomech designed parts and products
 - Assist drafters in developing the structural design of products using AutoDesk Inventor
 - Conduct validation and verification tests for selected products and prototypes
 - Test selected products at specified stages in the production process for performance characteristics or adherence to specifications
 - Compile and evaluate statistical data to determine and maintain quality and reliability of products
 - Support engineering and specific production teams. Ensure all engineering and production documentation and drawings are complete, current and stored appropriately in accordance with the company's Quality Management System
 - Maintain a presence on the manufacturing floor and provide a communication link between the engineering production departments
 - Participate in Manufacturing Quality audits and work closely with colleagues in the engineering, production, and quality departments to resolve corrective actions in a timely manner
 - Other duties as assigned
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Qualifications and Education Requirements

- Bachelor's degree in Mechanical or Manufacturing Engineering from an accredited university or college. Minimum of 3 years' experience in manufacturing environment preferred.

Employee Benefits

- Bluefors offers a generous benefits package including health, dental, vision, 401K, long and short-term disability, life, training, tuition reimbursement, and Paid Time Off (PTO).

This role does not offer sponsorship for work authorization.

Bluefors Cryocooler Technologies, Inc. is an Equal Opportunity Employer. All qualified applicants will receive consideration regardless of disability status, veteran status, or any other New York State or federally protected characteristic.