



Toolmaker I

Pay range: \$25-35/hr DOE

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

At Bluefors, we are proud to design and manufacture world-class cryogenic solutions that enable breakthrough discoveries. From our Syracuse, NY facility, home to Cryomech product lines, we develop and build cryogenic systems that power advances in quantum technology, scientific research, and other cutting-edge industries.

Founded in Finland in 2008, Bluefors quickly became the global leader in ultra-low temperature systems. With the addition of Cryomech, Syracuse-based pioneer since 1963, our combined expertise allows us to deliver reliable, high-performance products that scientists, innovators, and industries depend on every day.

Our team of 600+ professionals from over 50 nationalities is united by curiosity, craftsmanship, and a share mission: to help our customers go further. Whether building precision cryocoolers, engineering complete measurement systems, or supporting our products in the field, we focus on quality, collaboration and progress.

Working at Bluefors means contributing to technology that has real impact worldwide. In Syracuse, our employees are the heart of producing the cryogenic systems that enable tomorrow's discoveries - while building rewarding careers in engineering, manufacturing, quality, finance, sales, service and beyond.

Position Summary

Listed work hours: 7:00 am - 3:30 pm

This position exists to produce prototype parts to prove new concepts and theories for new cryogenic products or component parts and tooling for this environment. The person in this position will be responsible for the machining and finishing of intricate parts and must have the ability to machine parts from drawing or sketch.

Essential Duties and Responsibilities

- Studies specifications such as blueprints, sketches, models, or verbal descriptions, and visualizes product to determine materials required and machines to be used to fabricate part
 - Sets up and operates manual machines and machine tools such as lathes, milling machine, and grinder, to machine parts, and verifies conformance of machined parts to specifications to maintain precise tolerances in all parts produced
 - Performs hand/bench work as needed to complete product
 - Creates necessary tooling to meet special manufacturing or R&D requirements
 - Modifies existing parts per instructions
 - Meets deadlines as required by customers and is flexible with assignments as needed by departments
 - Performs housekeeping duties including preventive maintenance and repair of manual production machines according to schedules and exceptional needs
 - Adheres to quality and safety standards as required by Bluefors in regard to all equipment, supplies and products
 - Maintains appropriate records
 - Other duties as assigned
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Qualifications and Education Requirements

- Completion of apprentice training or equivalent combination of education and experience. Five (5) or more years of experience in job shop atmosphere or equivalent is preferred. Experience machining various metals and materials such as copper and stainless steel.

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.