



1800 Fruit Street Algonac, MI 48001

[eckhartusa.com](http://eckhartusa.com) Phone: 810 794 4929

## LEAD CNC PROGRAMMER/MACHINIST

**Department:** Manufacturing  
**Reports To:** Operations Manager  
**FLSA Status:** Non-Exempt  
**Updated:** 04.04.18

Working at Eckhart is an opportunity to directly impact the future of American manufacturing. We are an Industry 4.0 leader committed to developing advanced manufacturing solutions that enhance the quality of life. Our AUTOCRAFT™ autonomous guided vehicles and FLEXCHECK™ collaborative robotic error-proofing systems lead the market in reliability and dependability. Our suite of solutions includes AGVs, collaborative & traditional robotics, 3D printing, conveyance & automation, highly engineered weld fixtures, lift-assist & ergonomic tooling, and mechanical & electrical engineering services. Our solutions improve employee safety, product quality, and productivity at the largest companies in the world.

Eckhart invests in people because we believe it is our people who differentiate our solutions and our company from our competitors. For over 40 years our company has committed dedicated creative minds to conceptualize and design custom manufacturing solutions for industry. Our customers span medical devices, food, consumer packaged goods, aerospace, automotive, industrial machinery, commercial construction, household appliances, and farm machinery & heavy trucks. We thrive solving our customers' most difficult problems and find satisfaction when customers receive safe and efficient turn-key solutions that enhance their quality of life.

### Description

A Lead CNC Programmer/Machinist works in our manufacturing department and must be able to produce machined parts by programming, setting up, and operating a computer numerical control (CNC) machine; maintaining quality and safety standards; keeping records; maintaining equipment and supplies. CNC Programmer must have a sufficient experience programming in Mastercam and G-code.

### Essential Duties and Responsibilities:

- Plans machining by studying work orders, blueprints, engineering plans, materials, specifications, orthographic drawings, reference planes, locations of surfaces, and machining parameters; interpreting geometric dimensions and tolerances (GD&T).
- Utilizes Mastercam controls to program mills and lathes by entering instructions, including zero and reference points; setting tool registers, offsets, compensation, and conditional switches; calculating requirements, including basic math, geometry, and trigonometry; proving part programs.
- Loads feed mechanism by lifting stock into position.
- Verifies settings by measuring positions, first-run part, and sample workpieces; adhering to international standards.
- Maintains specifications by observing drilling, grooving, and cutting, including turning, facing, knurling and thread chasing operations; taking measurements; detecting malfunctions;



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troubleshooting processes; adjusting and reprogramming controls; sharpening and replacing worn tools; adhering to quality assurance procedures and processes.

- Maintains safe operations by adhering to safety procedures and regulations.
- Maintains equipment by completing preventive maintenance requirements; following manufacturer's instructions; troubleshooting malfunctions; calling for repairs.
- Maintains continuity among work shifts by documenting and communicating actions, irregularities, and continuing needs.
- Documents actions by completing production and quality logs.
- Updates job knowledge by participating in educational opportunities; reading technical publications.
- Accomplishes organization goals by accepting ownership for accomplishing new and different requests; exploring opportunities to add value to job accomplishments.

#### **Qualifications:**

To perform this job successfully, an individual must be professional, proactive and positive, with internal and external customers and coworkers. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable the individuals with disabilities to perform the essential functions.

#### **Education and/or Experience:**

High School diploma or Associates degree from an accredited community college or vocational school. Five years of job related experience and/or training will be considered in lieu of post-secondary education.

#### **Physical Demands:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is occasionally required to perform light physical activity. The employee must occasionally lift and/or move up to 30 plus pounds. Specific vision abilities required by this job include close vision and depth perception.

#### **Other skills and abilities:**

- Mastercam and G-code programming experience
- Select the appropriate tools, machines, and materials to be used in preparation of machinery work
- Maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.
- Observe and listen to operating machines or equipment in order to diagnose machine malfunctions and to determine need for adjustments or repairs
- Check work pieces to ensure that they are properly lubricated and cooled.

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- Clean and lubricate machines, tools, and equipment in order to remove grease, rust, stains, and foreign matter.
- Strong interpersonal skills.
- Good verbal and written skills.
- Proven organizational skills.
- Ability to prioritize and work with limited supervision.
- Ability to work well under pressure and to remain flexible to changing schedules and demands