



1800 Fruit Street Algonac, MI 48001

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

## 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

Machinists must be able to set up and operate a variety of machine tools to produce precision parts and instruments. This includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.

### Essential Duties and Responsibilities:

- Calculate dimensions and tolerances using knowledge of mathematics and instruments such as micrometers and vernier calipers.
- Machine parts to specifications using machine tools such as Bridgeport's, lathes, milling machines, shapers, or grinders.
- Programming Bridgeport's with Acer or Acu-Rite controls.
- Measure, examine, and test completed units in order to detect defects and ensure conformance to specifications, using precision instruments such as micrometers.
- Set up, adjust, and operate all of the basic machine tools and many specialized or advanced variation tools in order to perform precision machining operations.

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- Align and secure holding fixtures, cutting tools, attachments, accessories, and materials onto machines.
- Monitor the feed and speed of machines during the machining process.
- Study sample parts, blueprints, drawings, and engineering information in order to determine methods and sequences of operations needed to fabricate products, and determine product dimensions and tolerances.
- Additional duties as requested by management.

## **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  
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 75 pounds. Specific vision abilities required by this job include close vision and depth perception.

## **Other skills and abilities:**

- 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.
- Operate equipment to verify operational efficiency.
- Clean and lubricate machines, tools, and equipment in order to remove grease, rust, stains, and foreign matter.
- Working knowledge of manufacturing processes
- Strong interpersonal skills.
- Good verbal and written skills.

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- Proven organizational skills.
- Ability to prioritize and work with limited supervision.
- Ability to explain how and why specific conclusions were reached.
- Ability to maintain confidentiality.
- Ability to work well under pressure and to remain flexible to changing schedules and demands.