

# 5 Axis CNC Machine Operator

## Purpose

Set up and operate a variety of 5 & 3 axis machines, cutters, and work holding tools to produce precision parts. Includes reading and understanding the function of precision instruments to verify product conformance.

## Education and Experience

High school diploma or equivalent

Long-term on-the-job training

## Tasks

- Calculate dimensions or tolerances, using instruments such as micrometers or calipers and portable CMM or FARO.
- Machine parts to specifications, using 5 & 3 axis machines
- Set up, adjust, or operate basic or specialized machine tools used to perform precision machining operations.
- Align and secure holding fixtures, cutting tools, attachments, accessories, or materials onto machines per set up documentation.
- Measure, examine, or test completed parts to check for defects and ensure conformance to customer requirements using precision instruments, such as micrometers, calipers, and faro arms.
- Monitor the feed and speed of machines during the machining process.
- Maintain machine tools in proper operational condition.
- Deburring machined parts to remove nicks, scratches, rough and sharp edges to customer requirements.
- Study sample parts, blueprints, drawings, or engineering information to determine product conformance
- Operate equipment to verify operational efficiency.
- Diagnose machine tool malfunctions to determine need for adjustments or repairs.
- Confirm with engineering, supervisory, or inspection personnel to verify technical information.
- Fit and assemble fixtures and cutters to make or repair customer product.
- Dispose of scrap or waste material in accordance with company policies and environmental regulations.
- Separate scrap waste and related materials for reuse, recycling, or disposal.
- Evaluate machining procedures and recommend changes or modifications for improved efficiency or adaptability per Kaizen process.

## Work Context

### **Body Positioning**

- Requires standing
- Requires repetitive movement
- Requires using hands to handle, control, or feel objects, tools or controls

### **Communication**

- Requires face-to-face discussions with individuals or teams
- Requires contact with others (face-to-face, by telephone, or otherwise)

**Environment**

- Includes exposure to sounds and noise levels that are distracting or uncomfortable
- Includes exposure to contaminants

**Job Hazards**

- Requires exposure to minor burns, cuts, bites, or stings
- Requires exposure to hazardous equipment

**Level of Challenge**

- Requires repeating the same physical activities over and over
- Requires being exact or highly accurate

**Pace and Scheduling**

- Job pace is determined by the speed of equipment or machinery
- Requires meeting strict deadlines

**Work Attire**

- Requires wearing common protective or safety equipment

**Work Setting**

- Requires working indoors in environmentally controlled conditions
- Job tasks are performed in close physical proximity to other people

**Physical aspects of the job as performed in an 8 hour workday**

	Occasionally .25-2.5 hrs daily	Frequently 2.5-5.5 hrs daily	Continuously 5.5-8 hrs daily	Never
Sit				X
Stand			X	
Lift/Carry	Indicate Amount/Frequency Below			
0-10 lbs	X			
10-20 lbs	X			
20-50 lbs			X	
50-100 lbs				X
	Occasionally .25-2.5 hrs daily	Frequently 2.5-5.5 hrs daily	Continuously 5.5-8 hrs daily	Never
Walk			X	
Drive				X
Reach Above	X			
Bend/Stoop	X			
Use Hands For	Indicate Amount/Frequency Below			
Pushing/Pulling	X			
Fine Manipulation	X			
Stress Level	LOW <input type="checkbox"/>	MODERATE <input checked="" type="checkbox"/>	HIGH <input type="checkbox"/>	VERY HIGH <input type="checkbox"/>

Please note this job description is not designed to cover all activities, duties or responsibilities that are required of this position. Duties, responsibilities and activities may change at any time with or without notice as requested by supervision.

*I have read and understood this Job Description and agree that it is in alignment with my position. I know that the purpose, required experience position responsibilities, knowledge expectations, required skills, work style, tasks, activities and context may change without notice. I understand that if I have questions about the above listed information, I should ask my supervisor or Human Resources.*

*"We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law."*