

Evolution Aircraft, Inc.  
**Job Description**

**JOB TITLE: CNC Machinist**

SHIFT: Days, 40 hrs per wk

REPORTS TO: Operations Manager

LOCATION: Evolution Main Production

Monday-Friday, 1/2 hr unpaid lunch

Non-Exempt

**SUMMARY:** This position is responsible for the production of in house manufactured/machined parts as well as programming and set up procedures of the CNC equipment. Responsible for machining parts to the exact engineered drawing specifications and inspected to meet specified Quality Control inspections. It is also the responsibility of this position to service and maintain all CNC equipment, CNC tools and accessories as well as keeping log books on all CNC inventory.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

1. Reading blueprints and understand CNC software
2. Knowledge of Solid Works/CAD drawings
3. Measure dimensions of finished work pieces to ensure conformance to specifications, using precision measuring instruments, templates, and fixtures.
4. Mount, install, align, and secure tools, attachments, fixtures, and work pieces on machines, using hand tools and precision measuring instruments.
5. Listen to machines during operation to detect sounds such as those made by dull cutting tools or excessive vibration and adjust machines to compensate for problems.
6. Adjust machine feed and speed, change cutting tools, or adjust machine controls when automatic programming is faulty or if machines malfunction.
7. Stop machines to remove finished work pieces or to change tooling, setup, or work piece placement, according to required machining sequences.
8. Lift work pieces to machines manually or with hoists or cranes.
9. Modify cutting programs to account for problems encountered during operation and save modified programs.
10. Calculate machine speed and feed ratios and the size and position of cuts.
11. Insert control instructions into machine control units to start operation.
12. Other duties as assigned from time to time.

**QUALIFICATION REQUIREMENTS:** To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

**EDUCATION and/or EXPERIENCE:** Completion of a high school education program. At least five years CNC experience required and able to determine production process and quality.

**REASONING ABILITY:** Able to apply commonsense understanding to carry out detailed but uninvolved/involved written or oral instructions. Able to deal with problems involving a few concrete variables in standardized/unstandardized/unique situations. Able to self monitor, make improvements or take corrective action to products, monitor machine gauges and dials, use logic and reasoning to identify complex problems and to evaluate and implement solutions, and control machine operations.

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**OTHER SKILLS AND ABILITIES:** Must have the ability to operate a computer and understand the appropriate safety measures needed to reduce the risk of injury to self and other employees.

Able to use calipers, gauges or inspection fixtures, lathes, milling machines, turning machines, welding, read blue prints and graphs, and able to program computerized machinery. Knowledge of arithmetic, algebra, geometry, raw materials, production processes, quality control, costs, and other techniques for maximizing the efficiency of manufacture and distribution of goods.

**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 regularly required to: be able to actively listen to other people, good communication skills, work well with other people including co-workers, management, and the public. Able to stand for long periods of time, bend, squat, climb, lift and/or move up to 50 lbs. Able to see details at close range and hear the differences between sounds that vary in pitch and loudness.

**WORK ENVIRONMENT:** Work environment characteristics described here are representative of those an employee encounters while performing 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 regularly works in an inventory warehouse, where the fluctuations of temperature occurs consistent with the outside temperature. Environment typically contains a certain amount of wood, composite and foam dust particulates.

Noise level in the work environment is usually loud, depending on the equipment involved.

Personal Protective Equipment requirements may include dust mask, respirators, ears, eye, face, hand and foot protection where appropriate.

Company provides a Respirator Protection Program. If it is determined that this position requires the use of a respiratory, you will be required to complete a medical questionnaire ensuring that you are medically able to use a respirator, be fit tested for a respirator and be trained.

I have read and been allowed an opportunity to discuss the above documentation. I understand these topics will be the basis for evaluations in the future as needed.

\_\_\_\_\_  
Employee

\_\_\_\_\_  
Date

\_\_\_\_\_  
Department Manager/Supervisor/Lead

\_\_\_\_\_  
Date