

JOB LISTING

MANUFACTURING ENGINEER / CNC



POSITION

Manufacturing Engineer / CNC

LOCATION

Dallas, TX

DESCRIPTION

VectorNav is seeking a highly motivated and skilled Manufacturing/Mechanical Engineer to manage and lead the company in-house machine shop, responsible for the development of product enclosures and housings, product calibration and manufacturing jigs and fixtures, and the support of product development and R&D engineering team efforts. This is a unique opportunity to work for a small rapidly growing high-tech company that designs and manufactures miniature sensor systems used in a wide range of military & industrial applications. The individual will also manage the design, construction, maintenance, and repair of custom designed production calibration equipment and machines used to calibrate MEMS sensor assemblies.

PRINCIPAL DUTIES AND AREAS OF RESPONSIBILITIES

- Work alongside highly skilled Aerospace, Mechanical, and Electrical Engineers to manufacture new product prototypes, custom calibration machines, design jig and fixtures for product testing and calibration, and to develop production processes for new products
- End-to-End manufacturing skills, ability to take a design from conceptual drawings through CAD/CAM and ultimately to a final machined component or assembly
- Work on assignments that are moderately complex where independent judgement is required
- Setup and operation of high speed 3-axis vertical milling CNC (Datron M8/Cube), including high accuracy machining of primarily aluminum components
- Consult with tooling vendors as required to optimize CNC program and tooling performance
- Develop CNC Milling machining programs
- Ability to manage and lead a small team of R&D technicians and CNC operators to assist with machining duties and shop related activities

DESIRED SKILLS AND EXPERIENCE

- Knowledge of CAD software packages such as Autodesk Inventor and/or Solidworks
- Knowledge of CAM software such as Autodesk HSMWorks or Autodesk Fusion 360
- Must be skilled in routine setup and operation of any CNC mill. Experience on Datron Cube/M8 machining system will be an added plus
- Must be familiar with basic inspection equipment micrometers, calipers, height gauges
- Competent with mechanical engineering drawings and bill of materials
- Must be able to work in a team environment with good organizational/communication skills
- Self-managed, figure out what needs to be done and do it
- Take ownership of tasks. Learn and suggest new methods
- Willing to dig deep, learn, and innovate with our team
- Quality focused and customer driven

EDUCATION AND EXPERIENCE REQUIREMENTS

- Bachelor's Degree in Mechanical or Manufacturing/Industrial Engineering or related area of study required (Requirement may be waived for someone of exceptional work experience)
- Minimum of 4 years of manufacturing experience within the CNC machining industry
- Ability to troubleshoot manufacturing processes at the shop floor level based on strong knowledge of cutting tool applications and proficient use of precision measuring gauges
- Knowledge of machining fixture design and CNC machine setup
- CNC programming skills, Datron or HAAS programming knowledge is a plus

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CNC MACHINES / R&D SHOP EQUIPMENT

- Datron NEO/M8 Cube (3-axis high-speed vertical mill used for small components)
- HAAS UMC-750SS (5-axis CNC used for larger fixtures & jigs)
- Tormach PCNC 1100 (3-axis vertical mill used for operator training & small jobs)
- CNC Wet-Jet cutting machines
- CNC laser engravers
- Wet abrasive blasting
- Metal vertical/horizontal saws, grinders, drill press, and common shop equipment

BENEFITS AND PERKS

- Flexible office hours
- Paid holidays, PTO accrual, & floating personal days off
- Top notch medical, dental, and vision insurance
- Stocked kitchen/break room with healthy, and not-so-healthy snacks and drinks
- Catered Friday lunches, semi-annual parties, and other office events

ABOUT VECTORNAV

VectorNav Technologies is the leading innovator and manufacturer of embedded navigation solutions using the latest in MEMS inertial sensor and GPS/GNSS technology. Since our founding in 2008, we have assembled a team of highly motivated and talented professionals, engineers and entrepreneurs to accomplish our vision: become the global leader in embedded navigation solutions. We are a fast-growing, dynamic company looking for team members to join us and help realize our vision.

VectorNav Technologies is headquartered in Dallas, TX, USA and is an AS9100 certified company.

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