

LIGHTHOUSE is the leading global provider of laser-based headspace analysis systems and measurement services. Headspace applications include container closure integrity testing, monitoring of headspace oxygen during filling and for stability studies, water activity determination, lyo cycle optimization, and chamber moisture mapping, and automated media fill inspection. LIGHTHOUSE offers a range of benchtop and in-line platforms with patented laser sensor technology commercialized with the help of funding from the Food and Drug Administration. In addition, analytical services are delivered from laboratory facilities in Amsterdam and Charlottesville, Virginia, and include method development and analytical process, and product studies.

Our Charlottesville, Virginia office is currently seeking career professionals in the following area:

## Machining Technician

### Position Summary

Under direct supervision in a Captive Shop, the Machining Technician will set up and operate various machines and perform machining operations for apparatus of equipment with close tolerances applying high standards of quality and craftsmanship.

### Organizational Relationships

- Reports to the Manager, Machine Shop
- Interacts with Manufacturing and Engineering departments

### Essential Functions

- Read and interpret blueprints, diagrams, and other project specifications. Input commands to computer-controlled machinery.
- Proficient in setting up and operating Computer Numerical Control (CNC) machine tools such as lathes, milling machines, shapers, and grinders.
- Sets and adjusts necessary controls to regulate machines, monitors control panel displays and machine operation, detects malfunctions and errors by comparing readings to actual specifications, and saves revised versions of programs as needed for future use.
- Calculates the proper speed and feed ratios for machines and the necessary size and position of cuts.
- Ensures workpieces are lubricated and cooled correctly throughout machine operation.
- Ensures machines run safely and efficiently by adding attachments, aligning pieces, securing fixtures, or replacing broken or dull parts.
- Measures finished pieces with precision measuring tools and equipment to compare with order specifications.
- Corrects production errors or machine malfunctions by conferring with Manufacturing and Engineering to make necessary revisions to program designs.
- Perform preventative maintenance tasks on production equipment.
- Complete and record required TPM and Quality checks to ensure product quality and process integrity.
- All other duties as assigned by management

### Qualifications

- High school diploma, GED, or equivalent required with Department of Labor Certification OR Associates degree from an accredited program in a related field and at least two years of relevant experience OR Bachelor's degree in a related field OR appropriate military education and experience.
- Machining experience or prior training in HVAC, Mechanical, Plumbing, Electrical, or Small Engine preferred.

- Thorough understanding of mechanics and other properties of machines and working knowledge of computers and computer-operated machinery.
- Proficient with lathes, milling machines, shapers, grinders, and Computer Numerical Control (CNC) equipment preferred.
- Strong mathematical aptitude with the ability to read and interpret blueprints and measuring devices.
- Active listening and clear communication skills are required to effectively communicate with assigned and support teams for manufacturing production processes.
- Ability to follow safety policies & procedures required.
- Effective problem analysis and resolution skills.
- Above-average ability to be flexible, organize, manage time, and set/shift priorities while meeting deadlines required.
- A team player who can cultivate a team spirit within the department and maintain positive interdepartmental collaboration.
- Ability to interpret, adapt, and apply Organization guidelines and procedures within the position and the department.

### Physical Demands and Work Environment

The physical demands and work environment described here represent those that employees must meet to perform the essential functions of this job successfully. Reasonable accommodations may enable individuals with disabilities to perform essential functions.

While performing the duties of this job, the staff member is regularly required to talk and hear, prolonged periods of working on feet, using tools and controls, and performing repetitive actions that entail frequent bending and stooping and walking; using hands to finger, handle, or feel objects, reach with hands and arms; climb; balance; kneel, crouch or crawl; taste or smell.

The staff member must occasionally lift and move up to 50 pounds. Specific vision acuity to read instructions, operate machines and inspect parts produced include close vision, distance vision, color, and peripheral vision, depth perception, and the ability to adjust focus. The noise level in the work environment is usually moderate to high.

Lighthouse Instruments LLC offers competitive benefits and a compensation package consisting of medical, dental, employer-sponsored IRA retirement, life insurance, and disability, discretionary annual bonus potential, as well as holiday and time-off provisions.

If you are an experienced and qualified professional who possesses scientific and personal integrity, dedication to pursuing excellence, a passion for science and innovation, and a commitment toward customer and team respect, please email your cover letter and resume to the attention of Human Resources at [careers@lighthouseinstruments.com](mailto:careers@lighthouseinstruments.com).

Lighthouse Instruments LLC is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to legally protected status, which in the U.S. includes race, color, religion, natural origin, sex, gender identity, sexual orientation, physical and mental disabilities, pregnancy, genetic information, military or veteran status, or any other protected classification. Equal employment opportunity includes, but is not limited to, hiring, training, promotion, demotion, transfer, leave of absence, and termination.