

About Vandstrom, Inc.

(www.vandstrom.com)

Vandstrom is a leader in the convergence of polymer and protein membrane technology. We have developed a high-performance membrane platform for water, life science, industrial biotech, food, and dairy separation applications.

Nature's ability to separate chemical elements at the molecular level with the use of highly specialized proteins in the channels of cell walls was the subject of [a 2003 Nobel Prize in Chemistry](#). Vandstrom has developed advanced capabilities in the expression, purification, and production scale-up of porins from biological sources methods. When these proteins are embedded into a robust polymer structure, this achieves a unique membrane performance profile.

Our core technology is based on new chemistry and manufacturing methods to achieve highly permeable membrane material with narrow molecular size exclusion cut-off. By adding an active protein layer, the membranes will separate constituents at the ion level.

Vandstrom is focusing on the development of a wide range of applications for its patented technology. The aim is to provide disruptive solutions for the water treatment, health, food, and other industries enabling these industries to enhance their products, reduce costs, and save energy. The membranes are designed to withstand challenging and sometimes harsh environment in various industrial applications.

The company started-up its own manufacturing facility in 2019 to produce an ultrafiltration product that was originally developed in 2016 as a support substrate for a biomimetic membrane but has been successfully supplied in the food, dairy and industrial bio-tech markets. The UF element product is currently in use at several sites in a live production environment in the US, Europe and Asia Pacific, and it helps customers achieve high efficiency molecular separation in these "high value" fluid streams.

About the Role

Vandstrom is seeking an experienced Maintenance Manager, who can bring knowledge of maintenance activities to help professionalize Vandstrom's maintenance program. Part of this role will be to execute repairs and upgrades on both electrical and mechanical systems at a general level, manage the maintenance program and outsourced suppliers, coordinate and support the installation and startup of new equipment, and work with computer-managed maintenance systems (CMMS).

Basic fabrication skills, such as welding, are desired but not required. This role will also manage outside fabrication facilities (such as machine shops, pipefitters, steel fabrication facilities) as needed. We are a small team and thus the candidate must be comfortable and excited to work in teams for success.

Work Location

Vandstrom's main office is located in Gaithersburg, Maryland. This position will have responsibilities at both Vandstrom facilities in Gaithersburg and travel between the sites, located three miles apart.

JOB DESCRIPTION

Job Title: Maintenance Manager
Department/Job ID: Manufacturing Operations
Reports To: Production Manager or Production VP
Direct Reports (if any): None

Valid Date: 03/29/2022
Version #: 2

Job Overview: The Maintenance Manager is responsible for maintaining and servicing production machinery, coordinating interfaces with third-party maintenance providers, maintaining and servicing R&D equipment as needed, and managing facility maintenance at both company sites. The Maintenance Manager will also manage the maintenance schedule, backlog control, and technical inventory for Vandstrom.

Role 1: Maintenance

- Follow Preventative Maintenance schedule to service equipment at regular intervals including tasks such as lubrication, seal changes, oil refill and change, belts change, and alignment test)
- Train operators for operator-based maintenance and calibration
- Perform calibrations as per PM schedule that are not done via operators
- Determine and optimize PM schedule for both existing and new equipment
- Respond to equipment breakdowns promptly

Role 2: Fabrication and installation

- Assist in the design process and fabricate basic equipment such as frames, struts, supports, brackets, rollers, and small tanks through either internal ability or managing outsourced partners
- Follow manufacturer's manuals and drawings to assemble and install equipment such as pumps, mixers, servos, switches, sensors, and motors
- Manage installation and startup of new equipment

Role 3: Maintenance Planning and Scheduling

- Own and maintain the company CMMS for maintenance
- Manage all maintenance records for the company
- Determine critical spare parts and manage the technical warehouse within SAP and CMMS

Role 4: Facility Maintenance Management

- Work as the facility manager for both of Vandstrom's locations in Gaithersburg by interfacing with the facility needs, the landlords, and/or 3rd party vendors/contractors
- Schedule appropriate PMs on systems such as HVAC, chilling systems, air compressors
- Respond to all facility related issues promptly

Requirements:

- Professional maintenance experience is required
- Experience with basic wiring, pumps, motors, and seals in a manufacturing environment
- Experience in working with managing maintenance records in an ISO environment
- Experience in working with outsourced maintenance partners

Additional Qualifications:

- High school graduate with extensive experience, preferably BS in Mechanical or Electrical Engineering
- Ability to lift 50lbs, operate basic hand tools, color vision, stand, kneel and climb stairs
- Experience with welding (MIG, TIG) is preferred
- Experience with CAD software such as AutoCAD or SolidWorks is preferred
- Experience with controls and PLCs such as Allen-Bradley and Rockwell Automation is preferred
- Eligible to work in the U.S