
Manufacturing Engineer or Technologist

DPoint Overview (www.dpoint.ca)

DPoint Technologies is a privately held company focused on the development and selling of gas humidification products for Fuel Cell and HVAC system applications. The company is based in Vancouver, British Columbia.

Humidifiers provide heat and humidity to the incoming oxidant fuel stream of fuel cells, which is critical to the performance and reliability of the fuel cell. DPoint is developing humidifier products that have a significant cost, size and performance advantage over competing humidification products. DPoint is focused on supplying components for fuel cell back-up power, forklift and automotive markets as well as energy recovery ventilator cores for residential, commercial and industrial HVAC systems.

Responsibilities and Accountabilities

- Lead manufacturing engineering activities including:
 - Working with injection molding suppliers on the supply of various plastic injection molded components
 - Setting-up of manufacturing production equipment and facilities, manufacturing procedures, work instructions and work cell layout
 - Design and assembly of prototype components
 - Design of injection molding tooling
 - Design, assembly and operating of prototyping and production equipment
 - Managing supply chain including injection molding suppliers, membrane companies, tooling suppliers and machining companies
- Support engineering design activities for DPoint next generation products to ensure design for manufacturability
- Deliver products and projects on budget, on schedule and to the design specification
- Assist in sales and business development activities
- Strive for continuous improvement and cost reduction
- Development and implementation of QAQC and inventory management system
- Design, construction and maintenance and safe operation of test equipment

Qualifications

- Manufacturing or plastics engineer or technologist with 2-5 years of experience
- Experience with plastic injection molding and plastics extrusion equipment
- Experience with machining of plastics and metals
- Strong analytical and problem solving skills
- Excellent communication skills
- Takes initiative and strong work ethic
- Positive attitude and ability to work in a team in a start-up company environment
- Good academic credentials
- Previous relevant design or manufacturing engineering experience in a product development environment.
- 3D modeling design experience (ie. Solidworks)
- Moldflow software analysis experience