

## Product Development Engineer – MAGNA

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### Group

Magna Exteriors

### Division

Exteriors Product and Process Development

### State/Province/County

Ontario

### City

Concord

### Job Type

Regular

### Company Introduction

This position is for Product & Process Development a division of Magna Exteriors Inc.

Magna Exteriors Inc. an operating unit of Magna International, designs, engineers, and manufactures a variety of products for the automotive, commercial transportation, consumer, and industrial markets. Our vast capabilities including fascia systems, sealing systems, exterior trim, composite components, engineered glass, door trim panels, cargo management, headliners, and cockpit systems position us as a full service supplier for our customers. Innovation drives our growth and ensures we remain at the forefront of our industry in the development of new products & systems.

### Job Introduction

The Product Development Engineer reports to the Director of Product & Process Development - North America, and is responsible for ensuring that products and processes are developed to production capability in a professional and timely manner. Knowledge gained from each project is recorded and communicated in an appropriate format to ensure that relevant standard procedures, as established by Magna Exteriors Inc. and customers of PPD, are consistently followed.

### Major Responsibilities

**The main duties and responsibilities of this position are but not limited to:**

- Execute assigned projects
- Track project costs and timing
- Submit capital requests
- Submit SR&ED claims
- Interface with divisions internal to Magna to create new business opportunities
- Interface with customer to create new business opportunities
- Co-ordinate project development efforts with internal and external suppliers, customers and ESE (Troy office) as assigned by Project Manager
- Organize and schedule self and others
- Create and test prototypes
- Research new materials and technology and apply to solving problems during development
- Prepare engineering estimates for both manufacturing and capital costs
- Prepare regular reports on work performed (technical, timing, budget)

- Provide technical presentations and job-related seminars
- Develop and maintain polymer processing expertise, especially in those processes currently in use within the Magna Exteriors group (thermoplastics, thermosets, injection and compression processes)
- Working knowledge of automotive paint processes
- Provide professional expertise to manufacturing plants as required
- Advise on the selection and installation of polymer processing equipment
- Share information on new developments in polymer processing
- Apply for patents as necessary
- Take on any special projects as assigned by management
- Adhere to Company policies and Corporate guidelines
- The Project Engineer is responsible for resolving technical problems with new innovations. If not dealt with correctly or in a timely manner, the innovation generally fails development and doesn't proceed to production. Stressors include being depended upon to develop new products and processes

### **Knowledge and Education**

- Post-Secondary education (University graduate in a related area of study)
- A minimum of three(3) to five (5) years of related experience
- Proficient in injection molding process, materials, equipment, tooling, etc.
- Must be highly motivated, experienced in working with a high degree of confidentiality, discretion and integrity in all aspects of the job
- Ability to exercise initiative, common sense and maintain effective internal and external working relationships
- Must consistently demonstrate a high degree of flexibility and versatility
- Decisions made during development will have a direct impact on cost, competitiveness, ergonomics, look / feel and functionality of the final product that is sold to the customer. The company is also responsible for the creation of intellectual property and filling of patents. The Research / Development Engineer must be able to visualize and solve potential technical and/or scientific problems. This requires creativity and a background in manufacturing, tooling, and basic physics or science.

### **Skills and Competencies**

- Must possess exceptional communication skills both verbal and written
- Research innovations developed internally as well as innovations developed by suppliers following Innovation Development Process
- Decision making functions impact project developments generally tied to potential suppliers and production facilities
- Negotiating, selling, and explanation skills are required
- Strong degree of initiative and judgment
- Excellent organizational and interpersonal skills along with a strong sense of time management and problem solving abilities
- Must have the ability to work independently with minimal supervision while under pressure of deadlines and provide a high degree of accuracy
- Customer-focused, team player with ability to interact effectively with all employee levels in a positive, cooperative, and productive manner
- A valid Driver's License is required
- A valid Passport is required for periodic travel

**Additional Information**

Accommodations for disabilities in relation to the job selection process are available upon request.