

# Mold Design Engineer

**JOB TITLE:** Design Engineer

**DEPARTMENT:** Manufacturing

**REPORTS TO:** Engineering Manager

The Injection Mold Designer is responsible for designing high precision, multi-cavity injection mold tools and reel-to-reel over-molded tools while supporting technical issues and tooling enhancements in a fast moving production environment.

## **RESPONSIBILITY:**

Design molds, components, sub-assemblies, and full assemblies based on design standards, current steel manufacturing techniques/tolerances, and product design requirements

Support production needs through enhancing and upgrading existing production tools for optimal output and quality

Assess and advance the development of domestic and international suppliers (including but not limited to molded part suppliers and steel fabrication suppliers)

As required, work with suppliers on problem tools to find solutions to increase up-time, reduce steel maintenance, etc.

Includes both horizontal and vertical (over-mold) projects

Schedule tool design, fabrication, and development for new products as well as sustaining projects (e.g. capacity expansions, quality related projects)

Work directly with purchasing, quality, product engineering, manufacturing engineering, test engineering, process engineering, and other necessary groups as a cross functional team to develop products/solutions

Adhere to all corporate engineering standards including but not limited to documentation and file management

Autonomously plans and schedules own daily tasks, develops solutions to problems utilizing education, experience, and judgment

## **DESIRED SKILLS AND EXPERIENCE:**

Minimum three years hands-on design experience of reel-to-reel, over-molding, and horizontal multi-cavity molding (preferably with connectors)

In-Line Insert Molding experience required

Knowledge of process engineering plastics needed. Scientific Molding training a plus.

Experience with small part molding, micro molding, and process training preferred

Must be a self-starter with strong leadership

Excellent communication skills and demonstrated problem solving ability

Excellent interpersonal skills in relating to both internal and external customers

Proficient in MS Office applications (PowerPoint, Excel, Word, Outlook)

Knowledge of steel machining techniques, mold design, injection mold materials (including but not limited to horizontal and vertical/insert)

Experience in engineering design software (SolidWorks, AutoCAD, etc)