

ROTO FRANK OF AMERICA - JOB DESCRIPTION



Position Title	Senior Design Engineer
Reports to	Design Engineering Manager
Division	Window and Door Hardware
Legal entity	Roto Frank of America
Department/Process	Product Innovation
Objectives	Reporting to the Design Engineering Manager, the Senior Design Engineer is responsible for: <ul style="list-style-type: none"> • Design and development of new products following the Stage Gate Process • Support of Operational Activities including Manufacturing and Quality • Sales and Marketing Support • Continuous Improvement and Lean activities • Market wide and customer specific product applications
Date	Target Start Date – April 2019

Essential Functions:	
<ul style="list-style-type: none"> • Engineering and design of locking, operating, and rolling components used in the residential window and door (fenestration) industry. • Provide technical solutions for existing product improvement opportunities. • Interface with Sales team and customers to provide market driven product solutions. • Provide designs that meet volume and budget expectations which involve domestic and overseas supply/manufacturing options. • Drive value engineering of existing and new product development based on market needs. • Oversee and develop test protocols to ensure current and new products meet market performance and operational benchmarks. • Support Manufacturing and QC departments to resolve production-related issues • Maintain documentation of existing products utilizing change management process • Operate on-time and within budget. 	

Required Education	<ul style="list-style-type: none"> • Bachelor’s Degree or higher in Mechanical Engineering (or related field)
Required Work Experience	<ul style="list-style-type: none"> • 5+ years of engineering design role in a manufacturing environment. Preferably in the window and door hardware industry, but not required
Required Competencies	<ul style="list-style-type: none"> • Working knowledge of machine design, kinematics, dynamics, and structure analysis • Familiar with manufacturing processes including: die-casting, injection molding, and stamping • Basic materials knowledge including metals, plastics, and coatings • Proficient in 2D and 3D CAD (AutoCad & ProE/Creo experience a must • Product management experience from concept to launch • Mechanical / hands on aptitude • Great organizational and communication skills • Proficient with Microsoft Office applications • Familiar with Project Management tools

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Supervisor Responsibility	<ul style="list-style-type: none">• None
Work Environment and Position Type/Standard Hours of Work	<ul style="list-style-type: none">• Fulltime Position• Travel requirement is minimal