FOUNDRY
a division of Star® Pipe Products

JOB DESCRIPTION	
Job Title: Manufacturing Engineer	
Employment Status: Full Time	***FLSA Status:*** Exempt
Department: Engineering	***Position Reports To:*** AGM
Pay Grade: Exempt	

Summary Description:

Entry-level manufacturing engineers typically focus on process monitoring, problem-solving under supervision, and supporting implementation of manufacturing projects. You'll assist with developing optimization strategies, conducting time & cost studies, workflow and layout improvement, and documenting standard operating procedures. Expect to split time between the factory floor and the office. You'll spend considerable time in production environments working alongside technicians and operators, observing processes firsthand and troubleshooting real-time issues.

The atmosphere is typically fast-paced, results-driven, and safety-conscious.

Essential Functions:

- Develop, evaluate, improve and document manufacturing processes
- Develop and implement process control techniques and procedures into manufacturing environment
- Analyze manufacturing process flow continually for the enhancement of quality, cost reduction and throughput
- Calibrate with configuration control and design engineering regarding product tooling and design to ensure effectual production methods
- Confer with vendors in determining product specifications and arranging equipment, parts or material purchase and evaluate products according to quality standards and specifications
- Work closely with manufacturing department to develop, coordinate and implement technical training for employees
- Design and develop manufacturing processes for enhancements, product changes, new products and related fixtures and tooling that are consistent with zero defect level and low product cost
- Create and maintain accurate documentation of tool drawings, design concepts, shop orders and concepts in accordance with quality assurance functions
- Provide engineering support in production department to troubleshoot and resolve technical problems
- Coordinate work with tool room personnel, assigned technicians and outside vendors
- Support company policies and procedures, goals and objectives
- Gain understanding of the as-is manufacturing, supply chain & procurement processes & procedures
- Develop process efficiency standards, optimization and cost control basics
- Data capture & analytics for capacity, cost, quality & manufacturing efficiency improvement projects, as assigned.
- Perform any and all other job related tasks as assigned

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Expect to gradually work on multi-dimensional projects involving:

- Value Chain Mapping, Six Sigma and other methodologies
- Emerging technology project implementation (automation, IoT)
- Supply chain and vendor management systems / sourcing cost optimization
- Cost parameters modeling via ERP
- Problem-solving via cross functional teamwork

Skills or Experience Required:

- BS in Mechanical, Industrial or Production Engineering with 1-2 years of work experience or a combination of relevant education and experience.
- Self-starter with professional work ethic and high level of analytical & communication skills.
- Proficiency in Auto-cad, Tableau and any form of ERP software is a plus.

Other Position Demands or Requirements:

- Fluent in English
- Read, analyze and interpret common scientific and technical journals, financial reports and legal documents
- Respond to common inquiries of complaints from customers, regulatory agencies or members or the business community
- Interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables