



Job Title:	Manufacturing Engineer II	FLSA Status:	Non-Exempt
Division:	SPX Flow Technology	Department:	Manufacturing
Location:	Rochester, NY	Job Code / Grade:	L20
Reports to:	Director of Continuous Improvement	Revision Date	11/08/2017

GENERAL SUMMARY

The Manufacturing Engineer routes manufacturing processes in the plant; responds to manufacturing issues and concerns to insure products are produced to specifications while insuring efficient use of resources.

PRINCIPLE DUTIES AND RESPONSIBILITIES (ESSENTIAL FUNCTIONS)

- Review Bills of Materials released by Design Engineering and ensure necessary changes are made before it is released for planning /procurement.
- Review Drawings released by Design Engineering and ensure necessary changes are made before it is released for manufacturing.
- Confer with Design Engineering concerning product design and tooling to insure efficient production methods.
- Provide support to Design Engineering on Custom Jobs.
- Perform cost benefit analysis and recommends the best choice of raw material to design engineering.
- Establish and maintain manufacturing routings and work center data
- Create assembly, machining and welding instructions for products to be manufactured.
- Provide support to shop floor if they need help understanding the part specifications, routings and instructions
- Approve engineering change orders (ECOs), process the changes, and insure changes become effective.
- Establish the processes and routings to handle discrepant material, returned products (RMAs), and internal jobs to be reworked.
- Provide support to Product Management and Standards Engineering on New Product Development initiatives
- Ensure compliance with established industry safety, design standards and guidelines.
- Identify opportunities to improve processes or products and reduce costs.
- Perform engineering activities in compliance with established company and manufacturing standards, engineering principles, customer requirements, and related specifications. Other duties may be assigned.

SKILLS AND ABILITIES

Skills

- Must be able to read/interpret/understand technical engineering drawings and symbols (i.e. Blueprints and GD&T)
- Must be able to effectively use Microsoft Office Suite and ERP programs (i.e. Microsoft Word, Excel, Outlook, SharePoint, SAP etc.)
- Must be able to effectively use Computer Aided Drafting (CAD) system (AutoCAD, Inventor)
- Must have strong interpersonal communications skills

Abilities

- Ability to learn and utilize various computer software programs
- Must have a basic understanding of quality assurance principals

- Ability to assess workloads and plan work accordingly along with multi-tasking and changing focus in an ever changing work environment
- Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical information in mathematical or written form and deal with several abstract and concrete variables.

EDUCATION AND EXPERIENCE

- 2 year degree in Mechanical Engineering / Manufacturing Engineering Technology or equivalent
- Minimum of 5+ years' experience in manufacturing environment

COMPETENCIES

<i>Adaptability</i>	<i>Maintaining effectiveness when experiencing major changes in work responsibilities or environment; adjusting effectively to work within new work structures, processes, requirements, or cultures.</i>
<i>Building Customer Loyalty</i>	<i>Effectively meeting customer needs; building productive customer relationships; taking responsibility for customer satisfaction and loyalty.</i>
<i>Communication</i>	<i>Clearly and succinctly conveying information and ideas to individuals and groups in a variety of situations; communicating in a focused and compelling way that drives others' thoughts and actions. Engages the audience and helps them understand and retain the message.</i>
<i>Continuous Improvement</i>	<i>Originating action to improve existing conditions and processes; identifying improvement opportunities; generating ideas, and implementing solutions.</i>
<i>Continuous Learning</i>	<i>Actively identifying new ideas for learning; regularly creating and taking advantage of learning opportunities; using newly gained knowledge and skill on the job and learning through their application.</i>
<i>Contributing to Team Success</i>	<i>Actively participating as a member of a team to move the team toward the completion of goals.</i>
<i>Initiating Action</i>	<i>Taking prompt action to accomplish objectives; taking action to achieve goals beyond what is required; being proactive.</i>
<i>Managing Work</i>	<i>Effectively managing one's time and resources to ensure that work is completed efficiently.</i>
<i>Work Standards</i>	<i>Setting high standards of performance for self and others; assuming responsibility and accountability for successfully completing assignments or tasks; self-imposing standards of excellence rather than having standards imposed.</i>
<i>Integrity</i>	<i>Always follows ethical business practices and does the right thing.</i>

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The incumbent will be required to sit, stand, walk, climb, reach, kneel, squat and carry. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus. Incumbent must be able to hear as work is performed in an industrial environment where it is critical to safety.

WORKING CONDITIONS

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Work is performed both in an Office and Manufacturing environment. The incumbent may be exposed to heat, cold, and humidity. The manufacturing environment may be moderately noisy and dimly lit in some areas.

DISCLAIMER

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.

Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.

SPX VALUES

All SPX divisions are committed to the effective use of the SPX Values. It is important that all employees understand and utilize these values when performing the duties of his/her position.

QUALITY

Quality encompasses all aspects of SPX's business, and every employee shares the responsibility to prevent the occurrence of any nonconformity relating to product, process and the quality system. All employees have an obligation to identify and record any such nonconformity, and through designed channels, initiate and recommend solutions.