

POSITION DESCRIPTION

WAGNER SPRAY TECH

Exempt: X
Non-exempt:

Title: Manufacturing Engineer

Date: 5/7/14

Reports to: Director of Manufacturing

Revised: 6/22/17

Position Objective:

Continuously improve production (i.e. Carbide) to ensure that product conforms to specifications while operating in the most cost effective manner. Hold paramount achieving customer excellence and employee safety. Provide manufacturing engineering role in daily production of products along with supporting the release of new products and design changes into production.

Accountabilities:

<u>% of time</u>	<u>No.</u>	<u>Priority Order</u>
25%	1	Engage in helping production achieve daily performance targets by removing impediments and disruptions from the production process.
15%	2	Lead and support the elimination of wastes through the use of lean principles. Track progress by the using time lines and setting goals.
15%	3	Examine defects and processes to improve first pass yield and reduce manufacturing scrap. Use rapid problem solving technics to create countermeasures. Work with internal departments and external suppliers as needed to achieve success.
10%	4	Perform activities that ensure product design changes to existing products can be produced. Lead design changes through production release by using standard work procedures, process documentation, and includes designing, fabricating, qualifying, and validating equipment, fixtures, and tools as needed to build products.
10%	5	Evaluate manufacturing processes, equipment, and materials for health, safety, and environment hazards. Remove or minimize the probability of the hazard to cause an incident.

10%	6	Perform time studies, capacity planning, and line balancing as needed to produce product. Layout processes and production lines to achieve output and efficiency targets.
10%	7	Maintain and develop work instructions to insure process equipment is sustained and maintained to consistently produce products to specifications at the needed production output.
5%	8	Prepare and submit capital justification request. Coordinate the procurement and implementation after approval.

Relationship to Others:

Production: Support and help the production team members achieve daily production goals.

Production, Tool Room, Maintenance, and outside Tool Makers, Installers: Provide work direction as needed to fabricate and install equipment, tools, jigs, and fixtures.

Operations, Engineering, Quality, Marketing, and Suppliers: Main contact points in making, qualifying, and improving processes as needed to make product.

Dimensions of Position:

Position is critical to the company's manufacturing performance related to safety, quality, delivery and cost.

Provide work direction to manufacturing personnel. Job requires leading specialized training programs that support manufacturing policies and procedures such as but not limited to:

- Support and maintain Wagner programs related to manufacturing: training on how to use equipment, tools and fixtures along with handle material safely, including the employee use of personal protection equipment.
- Lead and mentor summer interns on special projects to accomplish a specific project/program goal.
- Conduct suppliers training as needed to secure a sustainable manufacturing control plan.

Work with sensitive company information related to design, quality, costs, and margin.

Education and Experience:

Education

Bachelor of Science in Industrial Engineering or Manufacturing Engineering

Experience

5+ years experience in a manufacturing environment with an understanding of process machines and equipment desired.

Training and Application Background

- Machine and equipment process background (e.g. Machining, PM Pressing, Heat Treat or Sintering, Forging...)
- Understanding of DFA/DFM.
- Lean Principles (Demand-driven flow, 5S, Non Value Added Wastes)
- Project Management
- Industrial health and hygiene

Essential Position Skills:

- Maintain excellent communication and organization skills to manage multiple tasks simultaneously
- Keeps Manufacturing, Production, Quality, Materials, and Distribution departments informed of changes as it relates to the SIPOC process
- Strong leadership skills; Able to lead cross functional teams, track financials of a project, hold successful meetings, and effectively write and distribute meeting minutes to complete project deliverables
- Follow established guidelines and management direction with regard to engineering decisions and departmental/company policy
- Lead and/or mentor employees including Associate Manufacturing Engineers and Manufacturing Engineering Interns
- CAD, Microsoft excel, Word, PowerPoint, Maxload, DS Tools Talk, JDE systems, PFMEA
- Ability to travel, as needed, to support projects
- Experienced position that requires strong reasoning skills along with the ability to plan and act with little to no guidance and direction from management or others