

MAHLE Filter Systems North America, Inc.
Job Description

Job Title: Production Engineer / PDP
Department: Engineering
Reports To: Manager and Head of Engineering

SUMMARY

The Production Engineer is responsible for the development of assigned products. The position interfaces with customers, suppliers, and leads multi-disciplinary launch team with respect to all aspects of the product, process and program management. Will manage and lead one or more cross functional project teams simultaneously, developing project plans, facilitating proposals and working within tight timetables and managing the PDP process at the plant level according to the Production Engineering RASIC.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following:

- Create and maintain BOMs in internal SAP system.
- Receive and maintain part drawings and specifications as distributed from design group within plant.
- Involvement in the design for assembly at the concept phase of each program.
- Assist in the determination of tooling requirements.
- Maintain hard copy files and program files (product history).
- Develop packaging standards for finished goods.
- Support tooling and processing requirements.
- Coordinate the quotation process for engineering design changes after Quality Gate 3.
- Evaluate and sign-off of deviation request.
- IMDS submission for assigned products.
- Structure all production related work in regards to function, quality, cost and timeline and ensure targets are being adhered to and met.
- Coordinate the work packages of Production and ensure timely decisions in core team and extended team.
- Create transparency of the sub-team progress and ensure proper reporting.
- Ensure production requirements and confirm feasibility (related to production process) and create lists of requirements for tools.
- Conduct producibility assessments.
- Coordinate design of tools and equipment with suppliers and plant.
- Create and continuously detail production, tooling, logistics and packaging concept throughout project lifetime as well as validate and release concept.
- Calculate and define standard times.
- Issue control plan, including test instructions.
- Conduct risk analysis/ Process-FMEA (including Logistics-FMEA).
- Ensure PPAP approval has been conducted by customer.
- Create routings and maintain system master data.
- Ensure production processes in manufacturing and logistics conform to lean manufacturing principles.

- Obtain approval for capital expenditures.
- Ensure procurement and release of means of production.
- Prepare customer process audits and ensure successful start of production.
- Support make or buy decisions using calculations.
- Propose design modifications and calculate benefits.
- Propose the application of new production technologies, initiate and monitor production trials and analyze results.
- Develop, coordinate, introduce and monitor measures to improve economic ratio and to improve production technologies.
- Support engineering change documentation.
- Release production concept and process, including internal Process Approval (IPA), work instructions for relevant processes, ensure training of operators, organize supply chain and release supplier logistics.
- Support gap analysis.
- Other duties as assigned.

SUPERVISORY RESPONSIBILITIES

This job has no direct reporting responsibilities but will manage and lead one or more cross functional project teams.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

- Bachelor's Degree in Mechanical or Electrical Engineering or related field from an accredited four-year college or university.
- Experience in plastics and assembly design preferred.
- Prior experience in new product introductions in an automotive/automotive supplier environment.
- Prior project management experience; PMP certification a plus.
- Minimum 5 to 8 years of experience.

LANGUAGE SKILLS

Must be fluent in English. Able to write routine reports and correspondence. Able to communicate effectively with peers, managers, and directors, and to present to groups of customers or employees of the organization. Values and considers the perspectives and backgrounds of all parties.

MATHEMATICAL SKILLS

Ability to apply advanced mathematics as typically taught during a four-year college or university course.

REASONING ABILITY

Ability to deal with problems involving several concrete or abstract variables in standard and non-standard situations. Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret and explain policies and procedures.

OTHER SKILLS AND ABILITIES

- Good working knowledge of GD&T.
- Strong negotiation and problem solving skills.
- Strong Project Management capabilities.
- Ability to read and understand engineering drawings.
- Working knowledge of QS9000, ISO14001 and TS16949 standards, as applicable to the position.
- Excellent attendance record.

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.

While performing the duties of this job, regularly required to stoop, kneel, sit, stand, bend, reach, climb, and move about the facility. Required to frequently lift up to 30 lbs.

Specific vision abilities required by this job include close vision, distance vision, depth perception, peripheral vision and ability to adjust focus.

WORK ENVIRONMENT

The environment will vary in this position based on assignments. When working in the office environment, noise is generally minimal.

The environment in manufacturing plants and testing labs are often loud, hot, and with particulates in the air. Working environment may contain potentially hazardous materials such as acids, solvents, oils, and common etchants. In such environments, adherence to PPE regulations is required.

OVERTIME

Employees must be able to work additional hours and/or additional days during the payroll week, which can and will be in excess of forty (40) hours per payroll week.

TRAVEL

Domestic/international travel with/without overnight stay may be required.