

JOB DESCRIPTION

Job Title	Lead Manufacturing Process Engineer	Reports to	Operations Director
Department	Operations	Date	Feb 2018
Direct Reports	Approx. 5		

Purpose of Role:

Responsible for the research, development, implementation, and maintenance of manufacturing processes. The role also encompasses defining and improving production capacity, productivity, and product quality. In addition, the incumbent will be required to support new product introduction and additional capacity uplift as per business requirements.

Responsibilities

1. Provide engineering support to operations team
2. Manage a team of manufacturing process engineers
3. Provide engineering solutions for in house and customer driven concerns
4. Improve process quality performance (e.g. ppm, scrap, rework, etc)
5. Approve new processes for production (e.g. Cp, CpK etc)
6. Gather, monitor, analyse production data to identify trends and prioritise improvement tasks.

Key Activities:

1. Provide leadership and direction to manufacturing process engineering team
2. Monitor and develop ways to increase productivity, quality, and reduce scrap in line with OP targets, using "Six Sigma" techniques
3. Provide technical support to the maintenance and production functions
4. Develop process flows, standard operating sheets, and FMEA's.
5. Identify root causes of in-process and customer failures using recognised methodologies (DMAIC, 8D, 5Why's, etc..)
6. Create robust engineering solutions to eliminate root cause with sustained performance to prevent reoccurrence.
7. Ensure any new processes meet required quality standards before acceptance for high volume production (Cp, CpK, Poka Yokes, Boundary Samples etc...)
8. Maintain Quality records as required
9. Liaise with customer and/or supplier as required, producing literature and conducting external visits on request
10. Provide cost and timing estimates related to equipment and assembly operations.
11. Justify new equipment costs to facilitate manufacturing processes
12. Undertake any other duties of which the knowledge, skills and experience required fall within a post holder's expected capability and commensurate with the post holder's position within the company

Education/Qualification Required:

1. Minimum HNC level in Electromechanical Engineering Discipline

Experience Required

1. Five years minimum experience in a similar continuous improvement role
2. An appreciation of electro/mechanical manufacturing processes
3. Preferably from an automotive background with a knowledge of IATF16949.

Skills/Attributes Required:

- Modify PLC / HMI, machine code, robot, and weld controller programs
- CAD (Autodesk Inventor) to create engineering solutions and tooling drawings
- Methodical approach to problem solving
- Report writing and presentation skills for both internal and external customer reviews
- Must be able to lead a cross functional team
- An understanding of quality systems and production tools, (DFM\DFMA, PFMEA, 6S etc..)
- Electronic and mechanical engineering skills
- Must be self motivated with the ability to manage multiple improvement programmes simultaneously
- Self sufficient in providing complete engineering solutions

If you are interested in understanding more about this role, or would like to apply, then please contact, or send your CV and a covering letter to, mike.woodcock@advancedelectricmachines.com and we will get back to you very shortly

