



New Product Introduction (NPI) Lead Engineer

We are Ashwoods Electric Motors – an innovative and rapidly-growing cleantech engineering firm based in the South West of England – and we make electric motors that are smaller, lighter, more efficient and cheaper than comparable incumbent designs. Our products are attracting global interest and we are now rapidly expanding to meet the requirements of our ever-growing customer base.

We are now seeking an NPI Lead Engineer who will play a pivotal role in managing the NPI team to turn prototype designs into production ready solutions. You will help develop production motor designs, tooling design and be involved in project planning. You will be liaising closely with Manufacturing Engineering to ensure the designs are production ready for volume manufacture.

Roles and responsibilities

- Creating & working from design specifications.
- Use of APQP or other best practice technology tools to ensure product and feature development meets deliverables.
- Planning and executing Design of Experiments (DoE) and statistical analysis of results.
- Development and improvement of new & existing tool design.
- Supporting Manufacturing Engineering with the design and implementation of new equipment into the production lines.
- Utilise tools such as Gage R&R and Statistical Process Control to validate process capability.
- Review, plan & implement the most efficient and cost-effective production methods to manufacture sub-assemblies and finished goods.
- Ensuring project work is carried out in compliance with regulatory and company requirements.
- Obtaining supplier and internal timing plans.
- Assisting Manufacturing Engineering with the production of full manufacturing process flows with support from internal teams.
- PFMEA - Support, development and approval of internal documents.
- Testing & debugging issues.
- Ensure the mechanical design works in conjunction with all the pneumatic, electrical, PLC and safety systems.
- Aid with creating all required documentation to meet internal requirements as well as external requirements.
- Ensure all equipment complies with the required safety directives.



Desired qualifications, skills and experience

- Engineering Degree qualification or significant industrial experience with examples of using Six Sigma and statistical tools.
- Experience within manufacturing and involved in bringing products to market.
- Proficiency in GR&R and Measurement Systems Evaluation, Statistical Process Control (SPC) and Capability Analysis.
- Able to use root cause analysis tools such as Cause & Effect, 5 Whys, Hypothesis testing etc.
- Able to form and lead teams across various functions.
- Good analytical skills and evaluative judgement.
- Extensive applied 3-D CAD experience, with SolidWorks the preferred package.
- Ability to troubleshoot equipment problems and generate innovative solutions.

Personal characteristics

- Personal accountability
- Reliability
- Concentration and focus
- Pragmatism
- Good sense of humour
- Work as part of a team or alone
- Work to deadlines and respond effectively to customer requests.
- Strong time management skills

Salary & Benefits

- Competitive Salary.
- Participation in employee bonus scheme.
- Outstanding quality of life.
- 24 days holiday per year, plus bank holidays and opportunity to earn more days.
- Staff social events.

How to apply

If you think this job is for you then why not email us, briefly summarising why you'd be great for the role and including a copy of your CV, to work@ashwoods.org

Incidentally, if you're looking at us on behalf of a recruitment agency then thank you for your interest but we're already working with some wonderful people in the industry on an exclusive basis. Thank you.