

AP Racing is the world's most successful Brake and Clutch supplier to the Motorsport market, providing systems to every F1 championship winner for the past 50 years. AP Racing is also a leading supplier of Brake and Clutch systems to the high-performance automotive OEM and aftermarket.



Following continued success based on ground breaking technologies and quality, AP Racing is entering the next phase of its development both in the race and road sectors.

## Manufacturing Engineer

Salary + Benefits, Competitive (depending on experience):

### Role Summary:-

This role is pivotal to the assembly and manufacturing processes at AP Racing. The successful candidate will undertake new and existing projects from concept through the relevant phases to production sign off. They will be a recognised leader of projects and problem solving with ambitious deadlines, working closely with cross functional teams (Quality, Production, Design, both internal and external).

This person should possess a varied problem solving toolbox, including continuous improvement methodologies, fault prevention and the ability to approach issues with new and innovative ways.

You will be responsible for the design and delivery of equipment required for the assembly of a wide variety of production parts. This will include manual and automation equipment, in a cost effective and quality focused business.

| Key Role:   | Key Activities: (Tools/Techniques)  | Measures:  | Knowledge/Skill  |
|---|---|--|--|
| NPI Project Management, design and delivery.      | Design of tooling, process and equipment required for production of new products. | In line with overall timing and cost targets.                        | Solidworks or relevant CAD packages & experience in design and delivery of solutions.                                      |
| Development of existing facilities with CI focus. | Review and develop existing process to improve output & Quality.                  | Reduced operational costs, improved margin, increased quality score. | Process reviews, problems solving, low and high cost solutions.  |
| Process optimisation and waste reduction.         | Process optimisation using relevant tools and techniques.                         | Cycle time reduction and process streamlining. Process throughput.   | Lean manufacturing skills.   |
| Costing solutions in support of Tenders.          | Providing appropriate information to enable tenders to be submitted.              | Solutions which meet or exceed specifications against original scope | Varied process knowledge, including mechanical, electrical and controls/software. Costing, Quotes and supplier management. |

### Key accountabilities:-

- 1) Key part of the operations team – working closely with and reporting to the Industrial Engineering & Facilities Manager.
- 2) Able to generate timing plans for industrialisation of equipment and manage the project process.
- 3) Key part of the NPI team – Working to deliver the best, cost effective solution to enable successful bids
- 4) Able to use Cad skills to model concepts and engage with Engineers to bring consensus on solutions.
- 5) Able to discuss in detail with possible external partners the manufacture of solutions in order to meet costs and timing plans.
- 6) Working with Quality functions to improve or eliminate root cause process failures from our operation.
- 7) Looking at existing processes with a cost conscious view on how to increase productivity.
- 8) Review the latest manufacturing techniques and equipment to ensure APR is always at the forefront of developments in manufacturing processes.
- 9) Working with internal and external partners to evaluate possible vertical integration projects – Enabling improved streamlining of business processes and improvement of bottom line results.
- 10) Using OEE related data to identify where there are risks and create plans with the industrial Engineering manager to mitigate them.
- 11) Maintain excellent budgetary control of all aspects of the Manufacturing Engineering Role.
- 12) Where required represent APR in both supplier and Customer review meetings.
- 13) Mobile and flexible to attend offsite meetings in both UK and abroad, on accession.
- 14) Understand and contribute to DFMEA & PFMEA creation.

### Skills, Qualifications & Experience:-

- 1) Degree in Mechanical or Electrical Engineering or relevant qualification combined with experience.
- 2) Minimum of 5 years in similar role.
- 3) Varied process knowledge, including mechanical, electrical and controls/software.
- 4) Experience in using Solid Works or equivalent.
- 5) Experience in Small tooling for manual assembly and semi automation.
- 6) Knowledge of Automotive sector.
- 7) Knowledge of relevant EH&S requirements.
- 8) Able to support on complex breakdowns and issues.
- 9) Basic PLC knowledge utilising Bosch Indraworks software preferable.



### Personal attributes:-

- 1) PC Literate - Microsoft packages.
- 2) Flexible approach to work with a can do attitude.
- 3) Able to work under own direction with minimum of supervision.
- 4) Accountable for own work and actions. Good communication skills, both oral & written, are essential as well as analytical skills, autonomy and ability to work in a dynamic environment.

To be considered for an exciting role, please contact [megan.hurley@ap racing.co.uk](mailto:megan.hurley@ap racing.co.uk) with CV and Salary details.

Strictly no agencies please