



Freeman Automotive (UK) Ltd
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MANUFACTURERS OF THE WORLDS LARGEST RANGE OF DISC BRAKES FOR ANY VEHICLE

Job Description – Lead Design Engineer (EBC Racing)

SUMMARY

The Lead Design Engineer will be responsible for developing manufacturing designs and the drawings and supporting documentation for performance brake products launched under the EBC Racing division. Working with rapid design and proto-typing methods; the post holder will be involved with the on-site proto-type fitment of bespoke brake systems to vehicles, working closely with the Brake Technician in the Centre of Excellence R&D garage. The position holder will also adopt a leading role in the design and development of new performance brake caliper product lines and multiple other performance braking products as the business expands into new product lines.

This position requires an intuitive, creative, logically minded and solutions focussed person, who is willing and able to come up with detailed solutions, is passionate about cars and is looking to progress their career by becoming a senior figure in a rapidly growing and ambitious team.

PRIMARY RESPONSIBILITIES

1. Provide accurate, fully detailed designs for all phases of the design process across a number of different product lines;
2. Work with Engineering Supervisor, Brake Technician and Senior Manager to develop and modify products, to specific vehicle applications; from initial design to test installation and manufacturing release;
3. Lead the design process and propose improvements/modifications;
4. Stay up to date and research the latest technological advancements in materials and manufacturing processes, then take ownership of integrating these new methods into the business;
5. Produce appropriate CAD models and drawings for approval by the Senior Manager;
6. CAM the designs using SolidCAM to the CNC machines (milling and turning);
7. Produce project plans and technical reports;
8. Research and analyse designs, specifications and vehicle fitment restrictions via evaluating feasibility of design and application;
9. Provide solutions for new product innovations, cost savings, sustainability and quality improvements;
10. Take leadership of assigned projects and direct and lead the team;
11. Drive job ownership within the team;
12. Integrate best manufacturing practice into the designs;
13. Drawing release and issue/version control for component and assembly drawings;
14. Ability to think through, plan and draw components, jigs and fixtures;
15. Actively contribute in the problem solving activities throughout the manufacturing and testing phases;
16. Manage products, processes and packaging to the defined specification and standards;
17. Drive quality standards, ensure compliance of all products through stringent quality checks and correct use of SOPs;
18. Communicate product information and tasks to team members through team briefings, 1:1 discussions and email;
19. Plan and present a weekly and monthly plan to the Senior Manager, discuss effectively and agree priorities;
20. Responsible for recruiting to the desired level of skills, experience and behaviour as the team expands;
21. Accountable for demonstrating and promoting positive behaviours and performance;
22. Oversee the Engineering Supervisor (EBC Racing) in the health & safety practices and ensure that any near misses, accidents or incidents are reported, participating in any investigations and preventative actions;
23. Any other reasonable task as assigned by the manager.

KNOWLEDGE, SKILLS & EXPERIENCE REQUIRED

1. Degree in Mechanical Engineering or other suitable qualification;
2. At least 5 years 3D CAD/CAM design and manufacturing experience required;



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3. Work history of overcoming challenges and barriers within a new product development environment;
4. Must be capable of accepting change and having their ideas challenged due to the nature of the work, being new product development;
5. Great team player with a robust nature;
6. Professional demeanour;
7. Excellent written and verbal communication skills;
8. Excellent organisational skills;
9. Ability to prioritise own workload and that of others;
10. Self-motivated and able to multi-task;
11. Ability to manage and prioritise multiple projects;
12. Have justified decision making skills and be a creative problem solver;
13. Capable of working with demanding deadlines (vehicles can be on site with little notice and for short periods);
14. Strong desire to complete projects on time;
15. Strong attention to detail.
16. SolidWorks, SolidCAM and CNC machining experience preferred.

WORKING CONDITIONS

Working conditions are normal for an engineering environment, with moderate noise.
Full Time position working 40.5 hours per week. Monday-Thursday 08.30-17.30, Friday 08.30-15.30.

REPORTING TO

Product Development Manager – EBC Racing Team. (Senior Management Level)

BENEFITS

- 28 days annual leave, inclusive of Bank Holidays, with a Long Service Award Scheme (additional 5 days holiday entitlement after 10 years service)
- Uniform provided
- Free on-site secure parking
- Staff discount for family use
- Pension Scheme
- Child Care Voucher Scheme
- Death in Service Benefit

Note:

The statements above are intended to describe the general nature and level of work being performed by people assigned to the job. They are not construed to be an exhaustive list of responsibilities, duties and skills required of personnel in the job. Furthermore, they do not establish a contract for employment and are subject to change at the discretion of the employer.