



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

Job Description – Brake Caliper Lead Design Manager (EBC Racing)

SUMMARY

EBC are looking for a talented Brake Caliper Lead Design Manager to join the dynamic and expanding EBC Racing team. The position holder will be responsible for developing and delivering performance brake caliper systems and associated components, proficiently using 3D CAD modelling and CAM software to develop advanced designs that are suitable for manufacture.

The successful applicant will become a key member of the team, co-ordinating and managing complex yet exciting projects from conception through to completion. Whilst previous experience designing braking components is advantageous, it is not essential. Comprehensive training plan can be provided, thus enabling any applicant with strong CAD/CAM skills to be supported such that they may be successful in the role.

The position requires an intuitive and logically minded individual who possesses a creative and proactive attitude to working. Someone who is passionate about cars and keeps up to date with cutting edge engineering techniques and is able to combine the two to develop innovative engineering solutions.

PRIMARY RESPONSIBILITIES

1. Provide accurate, fully detailed designs for brake calipers and other associated components;
2. Work with the Engineering Supervisor, Brake Technician and Senior Manager to develop new and existing product lines, managing projects from initial design to prototyping and finally manufacturing release;
3. Propose improvements and modifications across all product lines;
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 advanced 3D CAD models (Solidworks) and 2D drawings (Solidworks/AutoCAD);
6. Use CAM (SolidCAM/HyperMill) to produce prototypes and mass-produced parts CNC machines (3 & 4-axis milling and turning);
7. Produce project plans and technical reports;
8. Provide solutions for cost savings, sustainability and quality improvements;
9. Take leadership of assigned projects and direct and lead the team;
10. Integrate best manufacturing practice into the designs;
11. Drawing release and issue/version control for component and assembly drawings;
12. Ability to think through, plan and draw components, jigs and fixtures;
13. Actively contribute in the problem solving activities throughout the manufacturing and testing phases;
14. Drive quality standards, ensure compliance of all products through stringent quality checks and correct use of SOPs;
15. Communicate product information and tasks to team members through team briefings, 1:1 discussions and email;
16. Plan and present a weekly and monthly plan to the Senior Manager, discuss effectively and agree priorities;
17. Assist in recruiting new employees to grow our skill base as the team expands;
18. Accountable for demonstrating and promoting positive behaviours and performance;
19. 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;
20. Any other reasonable task as assigned by the manager.

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.



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KNOWLEDGE, SKILLS & EXPERIENCE REQUIRED

- Degree or equivalent in Mechanical/Automotive Engineering or other suitable qualification;
- Minimum 5 years 3D CAD/CAM design and manufacturing experience;
- Knowledge or experience of operating CNC machinery (3 & 4 axis milling & turning).
- Work history of overcoming challenges and barriers within a new product development environment;
- SolidWorks and SolidCAM/Hypermill software experience preferred;
- Previous project and people management experience;
- Excellent organisational and decision making skills with the ability to manage and prioritise own workload in addition to managing a small team to meet demanding project deadlines;
- Excellent written and verbal communication skills;
- Strong attention to detail.

Working hours: Full Time position working 40.5 hours per week. Monday-Thursday 08.30-17.30 and Friday 08.30-15.30 (30 minute unpaid lunch each day).

Reporting to: Product Development Manager – EBC Racing Team (Senior Manager)

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