
JOB TITLE	Senior Development Engineer – Advanced Manufacturing
DEPARTMENT	Design and Development
REPORTS TO	Chief Design and Engineering Officer
SALARY	Competitive
HOURS	40 Hours

The Company

The Brompton is the iconic product of its type, a unique bike used and loved in over forty countries around the world. Sales have grown rapidly over the last ten years, making us the largest bicycle manufacturer in the UK, with our products still designed and made right here in London. Over half a million people worldwide now use a Brompton. Despite this we feel like we're just getting started and are seeing huge potential to grow our product range and the business.

The Role

We are seeking a technically and commercially skilled senior engineer to join our team and help deliver the next ten years of Brompton products. To reach the potential of the business we must adopt product designs and associated manufacturing techniques that are highly scalable and deliver products with world-class quality at low cost. With this we can get the next half-million people on our bikes.

The successful candidate will bring expertise in Product Development, Design for Manufacture, Materials Selection and Production Technology to shape the engineering strategy for our future product pipeline and our manufacturing base. You will assess the suitability of new material options and manufacturing technologies for our product needs. You will lead prototyping and testing to assess the engineering suitability of new technologies and run pilot studies to investigate promising options. You will accurately estimate costs, both capital and operational and build business cases to allow the business to back the most appropriate technologies. You will build and work with BOMs to understand and predict whole-product costs. The role sits within the Design and Development group at Brompton but you will support projects through to launch, working with product designers to ensure product requirements are met and production engineers to progress effectively through trial and pre-production builds.

You will be instrumental in taking a thriving and iconic British brand into the next phase of its development.

Experience & Skills

- Experience in a similar role ideally within automotive or consumer product development.
- Familiarity with 3D CAD is an advantage, preferably Solidworks
- Experience of developing product for high-volume product fabrication
- Experience of developing product for and working with automated manufacturing technologies
- A track record of successfully engaging with partner business and building productive relationships to develop parts or production technologies
- Excellent engineering science fundamentals; materials, stress, product life and failure.
- Experience of developing in structural materials, principally metals
- Exposure to and experience of developing for relevant manufacturing techniques:
 - CNC
 - Casting

- Forging
 - Welding and brazing
 - Surface treatment
 - Heat treatment
 - Robotic and automated production
- Very commercially aware. Direct experience of accurately estimating and controlling production and material costs in a project. Experience of owning bills of materials and using them as a project management tool.
 - Highly motivated, a self-starter and a self-learner

QUALIFICATIONS AND PERSONAL

- Master's or Bachelor's degree in a relevant engineering discipline
- A minimum of 6 years of relevant industry experience.
- An interest in cycling is an advantage

How to Apply:

If you feel that you fit within the Brompton team spirit and you can bring talent, innovation and enthusiasm to our workforce then please email your CV and covering letter to the People team, at recruitment@brompton.co.uk . In the subject, please specify the role you are applying for. You are encouraged to submit when ready and not wait until the deadline. Please specify your salary expectations.

You should be advised that any applications submitted without a covering letter and CV will not be considered for the role.

The company reserves the right to vary or amend the duties and responsibilities of the post holder at any time according to the needs of the company's business. The statements contained in this job description reflect general details as necessary to describe the principal functions of this job, the level of knowledge and skill typically required and the scope of responsibility. It should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including work in other functional areas to cover absences of relief, to equalise peak work periods or otherwise to balance the workload.