



JOB DESCRIPTION

Job title:	NPI Manufacturing Engineer
Department:	Manufacturing Engineering
Responsible to:	Milo Hiscox, Head of Manufacturing Engineering
Salary:	Competitive
Hours:	40 hours per week excluding lunch breaks

Introduction

Brompton has ambitious plans for growth over the next 5 years and a key part of this is the introduction of a new high-end ultra-light products. This role will take over responsibility for the productionisation of these new products. Bringing new technologies to market will require major changes in the manufacturing and assembly processes, we are looking for an exceptional candidate to deliver these plans.

Brompton Bicycle has its main factory and design studio in Greenford, West London. Brompton Fletcher is a small subsidiary which manufactures high-end components in Sheffield. Brompton plan to increase the size of this subsidiary by setting up a new facility to manufacture some of these components before bringing them down to Greenford London for assembly into our high-end bicycles. This role will be the primary engineering support at both sites for the new products.

This role will sit within the Engineering team at the London site but will require travel between London and Sheffield, with roughly half its time spent at each site for the next 18 months, after which the role will likely transition to be mainly London based to work on different new product introductions.

Objectives

This production engineering role will be responsible for productionising the new product, including:

- Responsibility for the productionisation of the product.
- Setting up a new manufacturing facility in Sheffield, planning the layout, processes and procedures.
- Working out how to integrate the assembly of the new products into the main Brompton assembly line.

Main duties

- Work closely with the design team to ensure a final product specification suitable for mass production.
- Take the prototype design and develop suitable manufacturing procedures, including automated processes where necessary.
- Production planning:
 - Calculate Kanban sizes, batch sizes or single piece flow rates for the satellite frame-building site based on sales forecasts.



- Perform line balancing calculations and simulations to determine the most efficient way to integrate the new product into the main Brompton factory.
- Liaise with machinery suppliers, produce CAPEX budget requests and business cases, negotiate new machinery purchases. Install equipment, perform risk assessments, write standard operating procedures and train operators.
- Ensure the highest quality throughout, minimise teething issues and faults through formal root-cause-analysis investigations and failure analyses.
- Implement a Continuous Improvement program once production has started to maximise capacity, quality and efficiency.
- Execute a true zero-defect culture in Sheffield.
- Offer ongoing technical support and problem-solving skills to the production team.
- Implement robust procedures and be responsible for manufacturing change control.

Skills and Requirements

- Technical experience of LEAN principles and other manufacturing theories.
- Problem solving experience using Root Cause Analysis, DMAIC or other techniques.
- Exceptional self-motivation and a pro-active confidence needed to identify and undertake required work.
- Project management skills and the ability to balance short-term fire-fighting with long term improvement.
- A hands-on practical approach.
- Ability to produce technical drawings and clear, precise work instructions.
- An awareness of Health and Safety law and best practice.
- Right to Work in the UK.

Education

An Engineering degree is essential. The ability to demonstrate a solid engineering background in a relevant environment is essential, as is experience bringing new products to market. The successful candidate will have at least 5 years' experience in manufacturing.



About the Company

The Brompton is acknowledged worldwide as the finest bike of its type and this excellence, combined with resurgence in cycling for transport, means we are enjoying strong, sustained growth. If we are to continue to thrive we need to recruit great people who can drive innovation of our products and the processes used to make them. We are proud of our bikes and enjoy using them. We export 80% of our production to 44 countries around the globe and intend to produce over 50,000 bikes this year but believe that we're just getting started.

Brompton Bicycle manufactures in its factory in West London a bike that is generally considered the best portable bike there is. The company is privately-owned, successful and profitable, and we have good relationships with our distributors and users.

If you have enthusiasm, thrive on being given responsibility and want to make great products that make a difference to people's lives, we can offer you a job you won't find anywhere else.

The Perks

Brompton offers you a very excellent working environment with enthusiastic colleagues who get along very well, communicate and co-operate with each other. The working climate is informal, but we work hard. Next to good terms of employment Brompton offers you the opportunity to work in a responsible and challenging job within a dynamic, international and ambitious environment. We are all proud to be part of Brompton Bicycle; we all share the same passion and dedication to the company and the product, despite any differences in cultural backgrounds and skills.

- Position to thrive. Whether you're early in your career or an experienced professional, Brompton provides you with everything you need to excel in your job and for personal growth. You will be encouraged to increase your skillset and to attend relevant events.
- A choice of working hours, including a 9-day fortnight (i.e. every other Friday off).
- 20 days holiday plus Bank Holidays, rising the longer you stay with us.
- Large discount on your very own Brompton (family and friends get discount too).
- Workplace Pension Scheme, Season Ticket Loan, Childcare Vouchers, Flexible Working, Cycle to Work Scheme to name just a few.
- Birthday Breakfast, Family Fun Days, Christmas Parties, London to Brighton Bike Rides, Charity Raffles, Volunteering with the local community all go towards creating a working environment that is fun and enriching.

If you feel 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 HR team, at recruitment@brompton.co.uk

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 equalize peak work periods or otherwise to balance the workload.