

## **SENIOR MECHANICAL ENGINEER (DESIGN & PRODUCTION)**

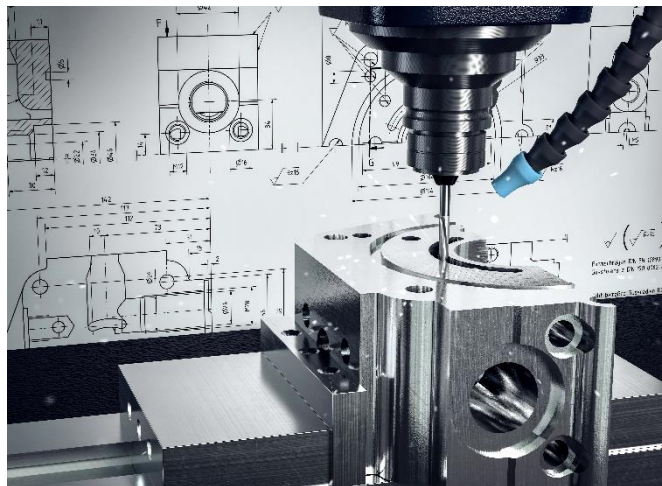
BG Research is an established innovative Biotechnology company certified to ISO 13485 located in Kimbolton, Cambridgeshire. Our mission is to provide pioneering molecular and engineering technologies to improve access to diagnostic testing and benefit global health outcomes – but most importantly save lives.

We are seeking to solve some of the world's most pressing problems in medical diagnostics with novel solutions and talented individuals who share our passion to change the world and further improve global health outcomes.





We are always looking to expand our team to further fuel our continued growth and innovations. We are now looking to recruit a Senior Mechanical Engineer (Design & Production) to join our multidisciplinary team as we bring to market and seek to manufacture, distribute and support a novel family of products.

If you are a driven, innovative and ambitious individual looking to make a difference and seeking a challenging new role this is a unique opportunity to become a part of a rapidly growing and dynamic company. A flair for innovative design with an understanding of the implementation of underlying mechanical engineering principles is critical.

Our organic organisational structure and culture of employee empowerment means you will have the opportunity to impact key decisions and projects from the get-go. We focus on providing long term and successful careers for our employees through the continued involvement of exciting and challenging development opportunities.




### **Your Role**

-  You will be responsible for helping to improve the design and test a new generation of innovative products.
-  You will help design, prototype and assist both internal and external resources to meet agreed specifications whilst maintaining a commercial awareness.
-  You will be involved in all aspects of the testing and production implementation of the instruments, from confirming concepts to submission of technical drawings through to manufacturing control.
-  You will be required to produce and follow project & product documentation to ISO13485 and be able to adopt a hands-on approach as and when the project requires.

 5 The Business Centre | Harvard Way | Kimbolton | Cambridgeshire | PE28 0NJ | UK

 [recruitment@bgresearchltd.com](mailto:recruitment@bgresearchltd.com)

 +44 (0) 03333 222 678

 [www.bgresearchltd.com](http://www.bgresearchltd.com)

- 🔧 A 'can-do' attitude and ability to 'get the job done' is critical.
- 🔧 Good experience in mechanical design and development of packaged instrument modules and plastic injection mould tools a distinct advantage.
- 🔧 You will seek to promote new and better solutions to development challenges by applying sound engineering principles and your experience to complex technical issues.
- 🔧 You will take responsibility for the full product lifecycle: from early concepts and prototypes to full production and upgrades.
- 🔧 You will work closely with colleagues from sales and manufacturing as well as with suppliers to ensure technical and commercial success.

## **Specific Responsibilities**

- 🔧 Use of SolidWorks 3D CAD software packages (including PDM Vault) and Composer.
- 🔧 Managing the interface to other disciplines within the company and external contractors.
- 🔧 Creative problem-solving skills, commercial awareness, and the ability to handle multiple projects simultaneously when required.
- 🔧 Convert customer requirements into design specifications and subsequently into a detailed design.
- 🔧 Generate conceptual design, layout, prototyping, bill of materials, technical documentation and mechanical & assembly drawings.
- 🔧 Identify new technical developments and trends, translate these into building blocks for opportunities within the business unit, initiating the creation of new technological innovations & applications.
- 🔧 Maintain and exploit a network of relevant external stakeholders, customers, partners, research organisations and authorities, to represent the business unit as a credible specialist in networks, identifying opportunity for future projects and developments.
- 🔧 Possess strong all-round product/enclosure design experience, including Design for Manufacture & Assembly (DfMA), component selections, testing and integration of systems.
- 🔧 Project management resource for all mechanical based projects within the company.
- 🔧 Any other tasks as deemed necessary to carry out specified job function.



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## **Key Job Functions**




### **Project Based:**

-  Liaising with line manager and helping to devise technical direction to subcontractors and suppliers to ensure that projects are completed on schedule, to specification and within agreed budgets.
-  Providing technical support in hardware, from ideas stage through to pre-production, testing and transfer to production (Design for Manufacture and Assembly) as transition from R&D to production is key).

### **Engineering Support:**

-  Routine customer service support as and when required. To include office and field-based activities. The aim is to provide direct and link engineering (to third party engineering support) for company products.
-  Work closely with operations, manufacturing and production engineers to ensure products are designed for manufacture.
-  Any office support as and when required e.g., software support.
-  Assembly/Production of the range of products, this will include production and inventory planning and scheduling to demand.
-  Take ownership in agreeing weekly Gantt workplans with line manager, project manager(s) and other relevant stakeholders, and delivering plan to agreed schedule.
-  Generation of technical documentation and records in accordance with ISO 13485 and applicable regulatory requirements to ensure compliance.

## **Geographical Location**

-  'Working Territory' is defined by the limits of operation of the Company in support of the company's products.
-  The individual will be located within thirty minutes' travelling distance of the current facilities based in Kimbolton in Cambridgeshire or, as necessary, move to an alternative location should this be deemed necessary.
-  Own transport is required for the position.

## **Remuneration Package**

Competitive salary, private health insurance, and enhanced pension as well the ability to make a difference within the team and self-develop as the organization grows.

## **Application Process**

To apply for this job role please send your cv to: [recruitment@bgresearchltd.com](mailto:recruitment@bgresearchltd.com)



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