

PRODUCT DEVELOPMENT ENGINEER JOB DESCRIPTION

PURPOSE

You will be involved in every step of turning our ideas for novel measurement instruments and components into commercially successful products.

You'll embrace our focus to support our customers in changing the world in diverse ways, across all sectors of the photonics industry. You'll need to have an innovative and agile approach to problem-solving and the tenacity to deliver results. You'll enjoy working collaboratively with the wider Engineering team and you'll thrive on delivering excellent software development.

KEY DUTIES/RESPONSIBILITIES

- Help to pick winners from a range of new product ideas.
- Produce detailed new product specifications and project plans; agree requirements and develop innovative solutions to the design challenges.
- Develop complex control software for our products. This may involve writing routines for data acquisition, image analysis, and control of optics, cameras, precision mechanical positioning stages etc sourced from specialist suppliers.
- Assemble and test prototypes, designing experiments which will push our new products to their limits. This may involve working with our in-house Manufacturing team as well as potential customers.
- Provide the documentation and training required to enable our Manufacturing team to build and test new products.
- Train our sales team to use and support new products.

Qualifications/Experience

- Qualified in a technical discipline, such as Software Engineering, Optical Engineering, or Physics.

- Proven experience of delivering innovative product design projects, preferably in the Photonics industry.
- Experience of software engineering, LabView preferred but not essential.
- Strong team working and a flexible attitude is important.
- Although the job is office based, you may be required to travel both domestically and internationally from time to time.

The successful candidate will be comfortable communicating in English with customers, suppliers and other partners from all parts of the world by e-mail, on the phone and face-to-face. Many of our customers speak English as a second language.

KEY RELATIONSHIPS

- This role reports to Design Engineer Manager and has frequent contact with other members of the Design team
- All employees
- Customers, External Providers and Partners