

Optical Fibre Production Engineer

Lumenisity is a spin out company from the Optoelectronics Research Centre (ORC), at the University of Southampton, developing novel optical fibre technologies for advanced end user applications. We have secured substantial funding from a consortium of industrial and private investors and are now in the process of building out our own team and infrastructure to work both independently and in continued collaboration with the ORC. We are based in Romsey, near Southampton, Hampshire.

We are actively seeking dynamic candidates with a passion for cutting edge technology and innovation to join our fast-growing multidisciplinary team working to bring next generation products to market.

We offer a friendly environment, competitive compensation package, the opportunity to work into a fast developing technology field alongside highly experienced individuals and some of the best experts worldwide. Our highly creative, fast growing company will provide talented and motivated individuals with a unique opportunity for career development.

What you will do:

You will be working on fabrication technologies for novel optical fibres including all aspects of glass preform manufacture, optical fibre drawing, polymer coating optimisation and characterization methods. The work environment will involve a close interaction with the design and development teams to successfully transfer products into manufacturing. Key challenges will be both in the consolidation of established fibre designs, in the development of fabrication technologies for more innovative designs, and the implementation of scalable high-yield production processes.

Your day to day responsibilities:

- Support the development, transfer and implementation of manufacturing processes for preform fabrication and optical fibre drawing.
- Support the development of coating technologies for optimum performance.
- Manage projects to identify and implement productivity and manufacturing yield improvements.
- Develop and deploy process control tools and analyse measurement data to identify trends and correlations.
- Operate and monitor state-of-the-art optical fibre manufacturing equipment within a quality management and safety conscious environment.
- Collaborate with equipment suppliers on technology development and process equipment requirements and improvements.

- Develop and manage documentation in support of process technology, operating procedures and process control requirements.
- Train manufacturing and maintenance staff on the use and maintenance of manufacturing processes
- Contribute in first person, and visibly support, the establishment and maintenance of a safe work environment

Who You Are:

You will ideally have a BSc or Higher Degree in Photonics Engineering or Applied Optics, Mechanical Engineering, Electrical Engineering or Physics (or equivalent) with 3+ years' work experience in an optics based manufacturing environment. Previous experience in optical fibre fabrication would be an advantage.

Key knowledge skills sought are:

- Practical knowledge of optical fibres and their properties
- Demonstrated ability in innovative development and practical application
- Experience in the operation and use of high value capital equipment
- Knowledge of cleanroom working environment and disciplines
- Knowledge of statistical process control methods and their application
- Capability to arrange and analyse data to identify trends and correlations.
- Proficiency with Microsoft Office
- English language: high level written and spoken, both colloquial and technical

Key attributes sought are:

- Excellent teamwork and collaboration
- Self motivated and self reliant
- Capacity to clearly communicate ideas, status, issues and proposals
- Logical and scientific attitude when dealing with problems
- Willing to accept challenges
- Fast learning, adaptable and flexible
- Willing to work on shifts as required

Location:

Until Lumenisity's own optical fibre manufacturing facilities are established at our main site in Romsey (Abbey Park Industrial Estate, SO51 9AQ), fibre fabrication activities are based within the Optoelectronics Research Centre at the University of Southampton (Mountbatten Cleanrooms, Highfield Campus, SO17 1BJ).