



Mechanical Design Engineer

ProPhotonix Limited, Little Island, Cork, Ireland

The Company:

ProPhotonix is an expert designer and manufacturer of laser and LED systems for OEMs (Original Equipment Manufacturers) across a wide range of applications including machine vision, UV curing, medical equipment, and security applications.

Established in 1951, ProPhotonix is headquartered in Salem, New Hampshire, USA, and has ISO-certified production facilities in Cork, Ireland, and Essex, U.K. At our Cork facility, we design and manufacture LED lighting for a diverse range of applications. At our UK facility, we design and manufacture diode laser modules and systems for applications including inspection, sorting, patient alignment, and industrial. We are an SME looking to grow market share in our key markets.

The Role:

Reporting to the Engineer Manager, the Mechanical Engineer is responsible for both supporting existing products and creating innovative solutions which lead to the development and introduction of new products that support ongoing business objectives. The product development process involves the generation of detailed specifications with the customer, development of the design concept, detailed mechanical, electrical, and optical design, prototype testing and validation, and new product introduction

The Mechanical Design Engineer will be a key member of the product development team and should have demonstrated design, development, and implementation proficiency in a similar design environment.

Primary job responsibilities

- Development of mechanical concepts and designs for products, tooling, and production test equipment (mechanical models and associated drawings, specifications, etc.)
- Generation of CAD models and thermal simulations
- Prototyping, testing, and validation of products
- Liaison with customers, suppliers, and production
- Providing technical support to sales, marketing, and production
- Manage design to development, to manufacture projects



Personal Skills:

The person should be an innovative, practical problem-solver and a good communicator, capable of working on their own initiative in a multidisciplinary team environment. Technical interest and willingness to learn about the company's technology are essential. Knowledge or experience in machine vision/automation or optoelectronics would be an advantage.

Qualifications:

1. The candidate should have a third-level qualification in mechanical engineering or a related discipline (e.g. product design or manufacturing).
2. Experience with CAD packages (preferably Solid Edge) along with knowledge of standard machining/manufacturing processes.
3. Additional knowledge or experience in thermal analysis, optics, PCB design, microelectronic packaging, electronics, or machine vision would be an advantage.

An attractive remuneration package will be offered commensurate with experience.

ProPhotonix (Ireland) Ltd is an equal opportunities employer.

Applications to:

Simon Stanley (Director of Engineering)
ProPhotonix (Ireland) Ltd, 3200 Euro Business Park, Little Island Cork.
Email: sstanley@prophotonix.com

Location	Little Island Cork
Payment	Negotiable
Category	Engineering, Manufacturing / Engineering.
Terms	Permanent, Full-time
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