



JOB DESCRIPTION: Development Engineer, Sr.

We have a senior development engineer position at a young and fast growing fiber optics company reporting to the Product development manager. We are looking for an enthusiastic and experienced professional, who will be rewarded for successful work and extra efforts.

Objectives

To develop new and improve existing optical fibre connectivity and packaging solutions to meet customer expectations of timescales, cost and reliability.

To support Sales & Marketing, Purchasing and Manufacturing teams to maximise business opportunities.

Main Duties to include:

Designing and Developing optical and fiber optical subcomponents and components

- Being able to provide a systematic approach to product design and development
- Providing major contributions to design activities for new products or re-designs, working closely with design engineers
- Developing and documenting initial assembly processes and building & testing prototypes/initial samples while liaising with the manufacturing team
- Failure analysis of product to improve yield and performance
- Developing new test set ups/methodologies
- Providing initial product qualification against appropriate standards
- Defining the BOM and identifying vendors for parts
- Supporting or leading product transfer to Manufacturing and working through potential issues while in early stage production

Supporting other departments with Development related activities

As directed by the Product development manager

- Liaising with the Purchasing team regarding procurement of parts
- Interacting with Sales and Marketing on product definition, specifications and costing
- Working closely with Manufacturing supporting new and existing products
- Advising and controlling changes and amendments to BOM, processes, and specifications
- Supporting the QA department on RMAs i.e. perform failure analysis on customer returns and report thereon, vendor evaluation and quality reports
- Liaise with customers when required, attending customer meetings including Tele conferences
- Co-ordinate when required cross-functional meetings to problem solve issues

Qualifications and experience

Essential

- MS or BS in Science or Engineering discipline or optical science discipline.
- 5-10 years experience of process and/or product development in a high technology manufacturing environment
- Hands-on capabilities with a pragmatic approach and excellent attention to detail
- Highly structured approach to development & project management with excellent follow through.
- Use sound analytical and statistical techniques for data analysis and presentation.
- Thorough understanding of reliability principles and standards.
- Ability to work in a team environment but capable of independent and creative thinking.
- Dependability and loyalty, “always-on-time” attitude with a great work ethic is the must.
- MS Office package

Desirable

- 5-10 years fiber optics hands-on experience within the Photonics industry, e.g. fiber hermeticity, fiber optics, optical components, modules, special connectivity.
- Experience with test setup and testing of fiber optics products
- Understanding of principles of fiber optics qualification process and fiber optics reliability standards.
- Understanding/experience of fiber termination and connectorization
- Some optical and mechanical design software knowledge is a plus.
- Knowledge of software programming e.g. Visual basic and/or knowledge of Zemax software is helpful

Contact details

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