

## JOB DESCRIPTION

<b>Job Title:</b>	Product Development Engineer( Packaging)
<b>Reporting To:</b>	Engineering & Technology Development Manager
<b>Department:</b>	Engineering
<b>Date:</b>	21/06/18

<b>Main Purpose:</b>	As member of the Engineering team provides technical design and layout expertise for both customer & internal- released & development products. Ensuring successful execution of changes and launching of new products and customer satisfaction. Contribute to the attainment of departmental goals/objectives, establishment of guidelines, documentation, planning/development for the advancement of the department.
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API Technologies Corp. is committed to be a dominant provider of RF, microwave, microelectronics, and security technologies for critical and high reliability applications.	
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<b>Main Responsibilities:</b>	
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<b>Duties:</b>	
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	To define, design & develop Optoelectronic Packaging solutions for harsh environment applications
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	Define and develop Opto electronics manufacturing processes
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	Define and develop test fixtures and jiggging for Opto electronics Products
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	Define and develop optical fibre interconnects for Harsh Environment applications
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	Support manufacture of prototypes
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	Documentation of prototype builds.
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	Transfer products from NPI to Manufacture
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<b>Job Objectives:</b>	
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	To undertake identified aspects of the design and development of new products
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	To actively improve or optimise aspects of Package design, function or processing of existing key products.
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	To support other departments with urgent issues relating to existing designs or testing, and to formulate effective solutions
	To undertake any other duties and responsibilities as required to maintain and/or improve the efficiency, quality and service of the Engineering team
<b>Relationships</b>	<p><b>External</b></p> <p>Technical engagement with customers</p> <p>Technical engagement with design partners</p> <p>Occasional technical engagement with suppliers which may require visits to the suppliers place of business</p> <p><b>Internal</b></p> <p>Engagement with all departments within API Microelectronics as necessary to carry out the duties outlined above.</p>

**Note:** This job description summarises the main aspects of the job, but does not cover all the duties that the jobholder may be required to perform.

## PERSON SPECIFICATION

Job Title:	Product Design engineer (Packaging)
Education/ Experience:	<p>It is expected that applicants will be qualified to level 6, or better, of the Framework for Higher Education Qualifications:</p> <ul style="list-style-type: none"> <li>▪ bachelor's degrees</li> <li>▪ Proven experience in Industry</li> </ul> <p>However, applicants will be considered in light of their technical knowledge, experience and demonstrable skills where formal qualifications at level 6 or above are incomplete or absent.</p>
Technical Competencies:	<p><b>The following are essential:</b></p> <ul style="list-style-type: none"> <li>• Strong Electronics &amp; Optoelectronics Package design background</li> <li>• Working knowledge Solidworks</li> <li>• Knowledge of Optics industry Standards.</li> <li>• Familiarity with Quality Systems.</li> <li>• Experience of working within NPI gated process</li> <li>• Experience of working within an agile NPI environment</li> </ul> <p><b>The following are desirable:</b></p> <ul style="list-style-type: none"> <li>• Experience of Opto electronics design and development</li> <li>• Experience of High Reliability microelectronics design and development</li> </ul>
Characteristics:	<p>To:</p> <ul style="list-style-type: none"> <li>• possess a high degree of self-motivation</li> <li>• be a team worker</li> <li>• Be able work well within a small team.</li> <li>• Have excellent communication skills.</li> <li>• have strong problem solving skills</li> <li>• have a creative approach for generating new ideas</li> <li>• be flexible and adaptable</li> <li>• be methodical in their approach to tasks set</li> <li>• be able question and reason</li> </ul>
Additional Information	<p>Working hours will be 0800 to 1630 Monday to Thursday, 0800 to 1330 on Friday. Five weeks Annual Holiday Professional Membership.</p>
Travel Requirements	<p>The role is based within the Engineering Department at Great Yarmouth.</p>