

JOB DESCRIPTION	
<b>JOB TITLE:</b> Opto-Mechanical Engineer	<b>DEPARTMENT (Name and Number):</b> Global Research & Development
<b>LOCATION:</b> Europe	<b>COMPETENCY BAND:</b>
<b>PURPOSE/SUMMARY</b> (Brief overview of why job exists, general purpose for position)	
Working within multi-functional group to maintain legacy products and opto-mechanical design activity on new enhancements.	
<b>ESSENTIAL DUTIES AND RESPONSIBILITIES</b> (List of 8 – 10 key tasks required of the job which occupy greater than 5% of the incumbents time)	
<p><b>Legacy Product Support</b></p> <ul style="list-style-type: none"> <li>• Design and implement test strategies for optical sub-assemblies.</li> <li>• Perform tolerance and failure mode analyses on optical sub-assemblies.</li> <li>• Documentation of design activities, including system specification, test protocol, test evidence and design verification report.</li> <li>• Accurately model optical mounts, flexures and bonds.</li> <li>• Carry out parametric tolerance analysis and determine operating window for opto-mechanical sub-assemblies.</li> <li>• Assess the impact of static, dynamic and thermal loads on the performance of optical systems.</li> <li>• Identify key operating parameters and principles of operation of active and passive optical systems.</li> </ul> <p><b>New Feature Development</b></p> <ul style="list-style-type: none"> <li>• Design and qualification of opto-mechanical sub-assemblies, from prototype to system integration.</li> <li>• Carry out design FMEA and reliability assessments on opto-mechanical sub-assemblies.</li> <li>• Develop test platforms for optical system prototyping.</li> <li>• Design transfer to technical operations.</li> <li>• Investigate suitability of optical and mechanical components for new product development.</li> </ul>	
<b>SUPERVISOR RESPONSIBILITIES (IF ANY) – Optional section</b> (List of subordinate jobs for which this job has direct management responsibility)	
None	
<b>DEPARTMENT RELATIONSHIP</b> (Please provide information on how this positions fits within the department/organisation, e.g., main contacts/customers, etc.)	
Reports to Product Engineering Manager	

**MINIMUM QUALIFICATIONS**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the education and/or experience as well as additional knowledge, skill and/or ability required for the position. For example – language skills (verbal, written, listening), software skills, analytical skills, mathematical skills, presentation skills, etc. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. **Individual is expected to demonstrate behaviours that are consistent with Optos Competencies as outlined in the Optos Competencies section below.**

- Working knowledge of proE with FEA for optical performance.
- Knowledge of active and passive optical systems.
- Thorough understanding of optical schematics and test processes.
- Optical handling and assembly skills.
- An understanding of Zemax design platform preferred.
- Good computer skills (MS Office applications).
- An ability to work within tight deadlines and manage time effectively.
- Strong team player with flexible attitude to work priorities.

**ADDITIONAL JOB DEMANDS AND/OR CONDITIONS**

	Lift/Carry 25 lbs		Bend/Stoop/Kneel 2 hrs a day		Push/Pull 50+ lbs
<b>X</b>	Laser	<b>X</b>	Stand/Sit/Walk 8 hrs a day		Intricate assembly required
	Eye Protection		Operate moving vehicles		Clean Room
<b>X</b>	Ability to Travel		Other		

Other:  
Full driving licence required

**EMPLOYEE SIGN-OFF**

Supervisor/Manager Signature: \_\_\_\_\_

Date Reviewed with Employee: \_\_\_\_\_

Employee Name (print): \_\_\_\_\_ Employee Signature: \_\_\_\_\_

**TO BE COMPLETED BY HUMAN RESOURCES**

Date Received By HR: \_\_\_\_\_ HR Signature: \_\_\_\_\_

**JOB CODE/(EEO CODE – US Only):**

**LABOR CODE:**

Exempt  Hourly  Non-Exempt  Direct Labor  Indirect Labor

**OPTOS QUALITY TRAINING REQUIREMENTS**

Quality/Regulatory Program training requirements for this job are completed and available within Compliant Pro  Yes  No If not, contact Hiring Manager.

**Optos is an Equal Opportunity/Affirmative Action Employer**

**Optos Competency Addendum**

- 1) **FOCUSING ON THE CUSTOMER** – Ensuring that Customer Service is at the centre of all the actions we take.
- 2) **ACHIEVING EXCELLENCE** – striving to find the best process and outcome for the business and customer and acting in a way which builds trust and respect and delivering outstanding quality at all times.
- 3) **ACTING POSITIVELY** – Persuading and inspiring others to buy into methods and ways of behaving which benefit the team and the organization.
- 4) **CONTINUOUSLY IMPROVING SELF & OTHERS** – Recognizing the importance of learning and development for self & others – being a team player.
- 5) **MAKING THE RIGHT DECISION** – Understanding problems and issues by using all available information and then making appropriate decisions.
- 6) **COMMUNICATING EFFECTIVELY & OPENLY** – Communicating clearly and openly, showing excellent listening skills and adapting the style and content dependent on the audience.