



Component Technology Pte Ltd

JOB DESCRIPTION

Job Title:	Optics Engineer	Department:	Optics
Reporting To:	Optic Leader	Location:	Singapore
Objective / Purpose of the Job			
To design and develop optical instrument.			
Key Activities / Accountabilities			
<ul style="list-style-type: none">• Design optical systems with specific characteristics to fit within specified physical limits of precision optical instruments, such as still-and motion-picture cameras, lens systems and viewing and display devices.• Determine specifications for operations and makes adjustments to calibrate and obtain specified operational performance.• Determine proper operation of optical system and makes adjustments to perfect system.• Understanding nonlinear fiber optics and mode locked lasers. Proficient in short pulse characterization• Understanding of laser engineering and fiber laser, and evaluate laser performance at the component and system levels• The ability to design mount will be a plus (more on mechanical site)• Design inspection instruments to test optical systems for defects, such as aberrations and deviations.• Familiar with the optical instruments, such as microscope, collimator to test optical systems for defects, such as aberrations and deviations.• May work with electrical and mechanical engineering staff to develop overall design of optical system.• Build up prototypes to test the optical system. Generating a set of acceptance test requirements, together with the quality engineers, which determine that all of the requirements have been met.• Any other tasks as delegated by the Management team.			
Working Conditions			
<ul style="list-style-type: none">▪ High level of personal flexibility▪ Working beyond office hours when the need arises			
Preferred Qualifications, Experience and Skills			
Qualification:	Degree/Professional qualification in Engineering		
Experience:	<ul style="list-style-type: none">▪ Minimum 1 year of working experience		
Technical Skills:	<ul style="list-style-type: none">▪ Design & Develop▪ Microsoft Office		
Competencies:	<ul style="list-style-type: none">▪ Communication capability with all levels▪ Interpersonal skills▪ Planning and organising▪ Drive for results▪ Team Player▪ Analytical skills		
Language Capability:	<ul style="list-style-type: none">▪ Proficiency in spoken and written English required		
Job holder name:			
Signature:			