



PR/095472 | Optical Design Engineer

Job Information

Recruiter

JAC Recruitment Vietnam Co., Ltd

Job ID

1571196

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

Vietnam

Salary

Negotiable, based on experience

Refreshed

March 17th, 2026 07:00

General Requirements

Minimum Experience Level

Over 6 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

COMPANY OVERVIEW

Our client is looking for the Optical Design Engineer position.

We are seeking a highly skilled and detail-oriented Camera Optical Design Engineer to join our team. In this role, you will leverage your expertise in designing and tolerancing optical systems to drive the development of ultra-compact, high-precision micro-optical solutions. You will work from concept creation through mass-production optimization, contributing to next-generation optics and photonics technologies.

JOB RESPONSIBILITIES

1. Optical System Design & Development:

- Design optical systems, especially for multi lens design and evaluate their performance; simulation experience is an advantage.
- Propose optical design concepts, tolerance budgets, and qualification approaches.
- Contribute to proof-of-concept prototypes and novel technology development.

2. Material & Documentation Management:
 - Create and update optical design documentation, BOM, and engineering data.
 - Provide specifications for optical components and ensure manufacturability alignment.
 - Track and analyze optical performance data and simulation outputs.
3. System Integration & Cross-Functional Collaboration:
 - Collaborate with electrical, mechanical, and manufacturing teams to ensure design compatibility.
 - Support assembly process validation and design-for-manufacturing (DFM) reviews.
 - Communicate technical findings, risks, and mitigation updates clearly across teams.
4. Testing, Validation & Analysis:
 - Define optical testing and characterization methods.
 - Perform sensitivity and tolerance analysis on optical systems.
 - Conduct stray-light analysis, physical optics modeling, or coherent optical analysis (as needed).
5. Issue Handling & Mitigation:
 - Identify design risks and propose mitigation plans.
 - Assist in resolving design-related issues during build activities.
 - Participate in design reviews and contribute to continuous improvement.

JOB REQUIREMENTS

- Education: Bachelor's degree in Optics, Physics, Electrical Engineering, or related field.
- Experience: Minimum 5–10 years of relevant industry experience preferred.
- Experience with commercial optical simulation tools (e.g., Zemax, Code V, FRED, LightTools).
- Strong understanding of optical system design, tolerancing, and optimization, especially optics with multiple lens.
- Experience with MATLAB, Python, C, or similar programming tools.
- Familiarity with sensing or metrology optical systems is an advantage.
- Experience designing high-precision micro-optical systems.
- English: Good communicate.

BENEFITS

- Benefits: Salary Review, 13th month salary, Company performance Bonus, Travel Opportunity, Training & Development, Lunch Support, Transportation Support
- Interview: Onsite interview (face to face)
- Salary: up to 50M
- CVs submission in English
- Only selected candidates will be contacted for the interview.

Interested applicants, click APPLY NOW.

#LI-JACVN

Notice: By submitting an application for this position, you acknowledge and consent to the disclosure of your personal information to the Privacy Policy and Terms and Conditions, for the purpose of recruitment and candidate evaluation.

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Company Description