



PR/087482 | Optoelectronics Development Engineer (m / f / d)

Job Information

Recruiter

JAC Recruitment Germany

Job ID

1599895

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

Germany

Salary

Negotiable, based on experience

Refreshed

June 26th, 2026 12:05

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

Business Level

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

■Key Responsibilities●Core Responsibilities

- Conduct research and development on the design, prototyping, evaluation, and performance improvement of ceramic-based light-emitting devices

●Detailed Responsibilities

- Develop ceramic light-source structures, including material selection, structural design, and thermal design
- Perform optical, electrical, and thermal measurements and evaluate device performance
- Integrate emitter chips with ceramic substrates through bonding and packaging processes
 - Examples: AuSn eutectic bonding, Ag sintering, wire bonding, etc.
- Analyze experimental data, prepare reports, and present results
- Collaborate with manufacturing, process, and packaging engineers

- Conduct reliability testing, failure analysis, and long-term performance evaluation
- Participate in technical discussions and design reviews
- Manage laboratory equipment, ensure safety compliance, and contribute to continuous process improvement

■Qualifications●Requirements

- Bachelor's or Master's degree in Electrical Engineering, Electronic Engineering, Optoelectronics, Materials Science, Physics, or a related field
- Experience in the development of light-emitting devices such as LEDs or laser diodes
- Understanding of semiconductor fundamentals
- Knowledge of thermal design and high-power device design
- Experience in optoelectronics packaging
- Skills in optical, electrical, and thermal evaluation

●Language Skills

- Japanese: JLPT N2 level or higher
- English or Chinese (for technical communication)

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Company Description