



PR/158794 | Vision Systems Engineer - Opportunity to Transfer to Singapore

Job Information

Recruiter[JAC Recruitment Malaysia](#)**Job ID**

1548186

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

Singapore

Salary

Negotiable, based on experience

Refreshed

August 6th, 2025 09:01

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

Company and Job Overview:

Join a leading global manufacturer specializing in high-performance magnetic components, including RF chip inductors, power magnetics, and filters is seeking a skilled Vision System Engineer to support the development and integration of cutting-edge technologies at our overseas plant.

Job Responsibilities:

- Integrate vision systems with automated processes and motion controls based on model data, including mathematical modeling and software solution development.
- Collaborate with a multidisciplinary team to gather and validate system requirements.
- Design and develop automated inspection and guidance solutions using advanced vision and sensing technologies.
- Provide hands-on implementation and mentorship to team members.
- Drive innovation in technical concepts, manage project costs, and ensure timely delivery.

- Stay informed on the latest advancements in vision, automation, and sensing technologies.
- Generate detailed design specifications for development projects.
- Offer internal and on-site support during system integration phases.
- Assist in the creation of comprehensive test plans and technical documentation.

Job Requirements:

- Bachelor's degree in Electrical Engineering or Mechanical Engineering with a minimum of three (3) years of relevant experience.
- Proficiency in working with vision system databases.
- Expertise in selecting appropriate cameras, lighting, and lenses for applications such as defect detection and part location.
- Strong programming skills in Visual C#, WPF, C++, and Python.
- Experience in developing vision systems with Halcon and Opteon cameras.
- In-depth knowledge of machine vision programming and related disciplines.
- Proficiency in automation controls, motors, and sensors, including PLC, CTC, Beckhoff PC, controllers, servo, and stepper motors.
- Familiarity with wiring and cabling specifications, including sizing, terminations, and load/temperature requirements.
- Strong understanding of industrial machinery design.
- Skilled in statistical analysis and its applications.

Benefits:

- Competitive salary paid in Singapore Dollars (SGD).
- Transportation allowances to support daily commutes.
- Opportunities for global exposure through cross-regional collaborations and projects.
- Opportunity to Transfer to Singapore

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Company Description