

Company:

Mi Autobotics Sdn Bhd
PMT 764, Jalan Cassia Selatan
5/1, Taman Perindustrian Batu
Kawan, 14110 Bandar Cassia,
Penang, Malaysia.

Vacancy:

Product Development Engineer

- 1) Mechanical Design**
- 2) Machine Vision**
- 3) Machine Control**

Contact:

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General Job Requirements

- Strong analytical and problem-solving skills
- Good and positive work attitude and self-motivated with ability to work independently and in team environment
- Innovative and creative
- Excellent written and verbal communication skills
- Positive thinking and willing to provides extended support to customer
- Enjoy learning new things and willing to accept new challenges
- Good semiconductor process knowledge or IR technology is an added advantage
- Good project management skills

Mechanical Design

- Degree or above in Mechanical Engineering /Mechatronics with second upper class or above
- Strong in mechanical design, material selection and metal/plastic fabrication process
- Knowledge in equipment design, test integration, test socket & probe design, test process is an added advantage
- Well versed in Solidworks software

Machine Vision

- Degree or above in Engineering or Science in Electronics/ Electrical/ Mechatronics/ Computer/ Optical/ Photonics with second upper class or above
- Strong in software programming, optical inspection & image processing
- Experience in using vision library e.g. Halcon, Euresys
- Well versed in Visual C++, Visual C#, VB.NET programming language

Machine Control

- Degree or above in Engineering or Science in Electronics/ Electrical/ Mechatronics/ Computer with second upper class or above
- Strong in software programming and electronics/electrical design
- Well versed in Visual C++, Visual C#, VB.NET programming language

Mechanical Design

- Translate customer's requirement into design specification, evaluate design feasibility and provide technical expertise to exceed customer expectations
- Responsible for product design and development using 3D CAD software and other simulation tools
- Estimate budget and scope of project
- Execute mechanical piece part design, process and tooling verification
- Implement product and process improvement
- Coordinate projects in design to manufacturing phases
- Evaluate final product's overall performance, quality, reliability and safety
- Perform proper documentation including Design Change Notice, SOP, user manual, piece part, pneumatics drawing, design drawing etc
- Undertake other duties and responsibilities, which may be assigned by the company from time to time with on time full closure

Machine Vision

- Vision software design & hardware configuration (optic, camera, lens & lighting), programming and development for automated inspection system
- Research in vision technology solution and sourcing for related hardware & software library
- Manage vision project, establish project schedule and plans
- Coordinate and run vision evaluation, characterization and investigation for customer samples and request
- Translate customer's requirement into design specification, evaluate design feasibility and provide technical expertise to exceed customer expectations
- Accountable for vision software and hardware buyoff qualification and reporting
- Provide support to production team for machine build issues related to vision
- Perform proper engineering documentation including Design Change Notice, SOP, user manual, piece part, pneumatics drawing, design drawing etc
- Undertake other duties and responsibilities, which may be assigned by the company from time to time with on time full closure

Machine Control Software

- Design and develop control, machine software & hardware for high speed automated machines
- To analyze and develop solutions to meet customer requirements
- Responsible for process definition, software development and hardware qualification
- Work as a team to evaluate interface between hardware and software as well as the operational and performance requirements of the overall system
- Perform application integration test
- Provide assistances and machine software & hardware support to customers as well as evaluation to find solutions on customer's modification requests
- Plan and manage technical projects or tasks to meet expectations on quality and timeliness
- Perform proper engineering documentation, SOP and guideline
- Undertake other duties and responsibilities, which may be assigned by the company from time to time with on time full closure