



【Mechatronics Engineer-English ONLY OK】

Job Information

Recruiter

SPOTTED K.K.

Job ID

1591386

Industry

Equipment

Job Type

Permanent Full-time

Location

Tokyo - 23 Wards

Salary

5 million yen ~ 10 million yen

Refreshed

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General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Bachelor's Degree

Visa Status

Permission to work in Japan required

Job Description

Mechatronics Engineer – English Only OK

Position Overview

An innovative robotics and advanced hardware technology company in Tokyo is seeking a hands-on and creative Mechatronics Engineer to contribute to the design and development of next-generation sensing and electromechanical products.

The successful candidate will be involved in the full product development cycle, including mechanical design, PCB development, prototyping, testing, and production preparation. This role is ideal for someone who enjoys both technical problem-solving and hands-on engineering work in a fast-paced environment.

Responsibilities

Hardware Design

- Design mechanical components and assemblies using CAD software with consideration for tolerances and

- manufacturability
- Produce and review engineering drawings for mechanical and electronic designs
- Design PCBs from schematic capture through layout and manufacturing preparation
- Support the development of integrated sensor and electromechanical systems
- Contribute to prototyping, assembly, and hardware refinement activities

Testing & Validation

- Conduct and document testing of hardware components and assemblies
- Evaluate mechanical and functional performance of prototypes
- Identify design issues and implement improvements based on testing results and team feedback

Cross-Functional Collaboration

- Work closely with hardware, software, and operations teams to align designs with product and manufacturing requirements
- Communicate design decisions and technical progress clearly
- Support a variety of engineering and prototyping tasks within a growing technology environment

Requirements

Experience

- Hands-on experience with CAD software for mechanical design
- Experience creating engineering drawings and tolerance specifications
- Practical PCB design experience from schematic to layout
- Experience working with electromechanical systems or sensor-integrated hardware

Nice to Have

- Experience with Design for Manufacturing (DFM)
- Experience with prototyping and hardware validation
- Familiarity with material selection and mechanical assembly methods
- Experience working in robotics, automation, or advanced hardware startups

Soft Skills

- Strong verbal and written communication skills
- Creative and solution-oriented mindset
- Ability to explain technical concepts clearly to both technical and non-technical stakeholders
- Strong sense of ownership and accountability
- Collaborative and adaptable team player

Language Requirements

- Fluent English communication skills (written and spoken)
- Japanese is a plus but not required

Company Description