



DAIHEN, Inc.

JOB DESCRIPTION

POSITION TITLE: Electrical/Systems Engineer

FSLA: Exempt

EMPLOYMENT STATUS: Full-time Regular

REPORTS TO: Technical Operations Manager

BUSINESS HOURS: 8:00 to 5:00, Monday through Friday

DEPARTMENT: Engineering

ORIGINAL APPROVAL DATE: February 2001 REVISION DATE: October 2007

ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Electrical controls design and support.
2. PLC program and HMI (Human Machine Interface) design.
3. Create detailed assembly drawings.
4. Create conceptual drawings.
5. Create and maintain Bill of Materials.
6. Support the sales, service, and other departments technically, as required.
7. Meet with customers and obtain detailed information in related to certain projects.
8. Create project proposals and present information to the customer.
9. Manage projects related to system engineering.
10. Work with other engineers and other departments to generate documents and maintain system technical and operational content for all Standard and custom Daihen cells.

SECONDARY DUTIES AND RESPONSIBILITIES

1. Mechanical design and support.
2. Robotic technical support.
3. Respond to customer technical inquiries.
4. Prepare inquiries and responses to the Daihen Corp. International Department.
5. Prepare and distribute technical documentation, presentations, and bulletin reports.
6. Respond to sales inquiries and prepare engineering quotations.
7. Advise and assist in the preparation of equipment manuals.
8. Assemble, test, and troubleshoot robotic and system equipment.
9. Supports the development of engineering standards and operating procedures.

SCOPE OF SUPERVISION

Under general supervision, perform a variety of skilled work in engineering, project management, and documentation preparation; perform related work as required.

EQUIPMENT OPERATED: Computer and general office equipment. CAD and other related technical software. Hand tools, power tools, and testing equipment. Robot controls.

CONTACTS WITH OTHERS: Other engineering staff, all other company departments, customers, and vendors.

WORKING CONDITIONS: General office conditions and manufacturing environment.

USUAL PHYSICAL DEMANDS

The following physical demands are typically exhibited by position incumbents performing this job's essential duties and responsibilities. These physical demands are not, and should not be construed to be job qualification standards, but are illustrated to help the employer, employee and/or applicant identify tasks where reasonable accommodations may need to be made when an otherwise qualified person is unable to perform the job's essential duties because of an ADA disability.

While performing duties of this job, the employee regularly exhibits digital dexterity when working on the computer. The employee frequently sits for extended periods of time, and stands and walks in the execution of duties. Employee occasionally bends and reaches. Vision demands include frequent close and relatively detailed vision using a computer screen. Employee must maintain regular attendance and punctuality as an essential part of the job function.

JOB SPECIFICATIONS

Knowledge of: Electrical control design engineering techniques; basic mechanical design and assembly; manufacturing integration and machining techniques and processes. Also specialized knowledge of Daihen equipment, standards, function and operations is required.

Ability to: Understand and carry out oral and written instructions; use a personal computer; use CAD related software; communicate in an effective manner. Perform physical assembly of mechanical and electrical components. Maintain and demonstrate a positive and cooperative attitude in the work place and toward fellow employees.

Skill / Experience in: Engineering related environment; preparation of technical documents and materials, Bill of Materials development; crating designs and drawings in a CAD environment; integration of mechatronic systems

Education: Any combination of education and experience providing the skill and knowledge for successful performance of the job. Typical qualifications would be equivalent to:

1. Sufficient formal or informal education to ensure ability to perform at a level required for successful job performance; and
2. Three (3) years experience in electrical design and system integration

Licensure or Certification Requirements: Valid Driver's License with good driving record.

This job description in no manner states or implies that these are the only duties and responsibilities to be

performed by the employee filling this position.
