



Wire Harness Draftsperson

COMPANY: Elite Harness, LLC

LOCATION: Wellington, Kansas

TYPE: Full-Time, Exempt

ROLE

The Wire Harness Draftsperson will play a crucial role in our Engineering and Research & Development department. They will be responsible for creating detailed drawings of electrical wire harnesses using specialized design software using customer provided specifications. They will collaborate closely with engineers to ensure accurate designs, conduct quality testing on wire harnesses, perform light assembly work, and integrate harness production details into company's manufacturing equipment.

ESSENTIAL FUNCTIONS

- Utilize dedicated wire harness design software to create detailed drawings and schematics for electrical wire harnesses with customer provided specifications.
- Collaborate with management, engineers and the sales team to understand design requirements, specifications, and constraints.
- Conduct quality testing and validation of wire harness prototypes to ensure functionality and compliance with industry standards and customer specifications.
- Perform light assembly work, including crimping, soldering, and connecting wires and components.
- Troubleshoot and resolve any issues that arise during the wire harness design and integration process.
- Work closely with manufacturing teams to ensure seamless integration of wire harness production details into production equipment.
- Maintain accurate documentation and records of wire harness designs, modifications, and revisions.
- Stay updated on industry trends, advancements in wire harness technology, and relevant regulations.
- Build a culture where customer service and quality are at the heart of everyday business.
- Ensure a safe and healthy work environment for all staff.

QUALIFICATIONS

EDUCATION/CERTIFICATION: Bachelor's degree in Electrical Engineering, Mechanical Engineering, or related field. Additional related experience can be substituted for education.

EXPERIENCE REQUIRED: At least 1 year experience working as a Wire Harness Draftsperson or similar role in an Engineering or Research & Development environment.

SKILLS/ABILITIES:

- Proficiency in using dedicated wire harness design software (e.g., Arcadia, Harness Design System, Mentor Graphics Capital, Zuken E3.series).
- Strong understanding of electrical and mechanical principles, including wiring diagrams, schematics, and assembly techniques.
- Detail-oriented with a high level of accuracy in drafting and documentation.
- Ability to prioritize tasks, manage multiple projects simultaneously, and meet deadlines.
- Hands-on experience with wire harness assembly, testing, and integration is highly desirable.
- Knowledge of relevant industry standards and regulations, such as IPC/WHMA-A-620, MIL-STD-810, and UL standards, is a plus
- Excellent communication and collaboration skills, with the ability to work effectively in a team environment.
- Strong analytical and problem-solving skills, with proven ability to exercise initiative, judgment, and discretion.
- Ability to function well in a fast-paced and, at times, stressful environment.
- Proficient with Microsoft Office Suite or related software.

PHYSICAL ACTIVITIES AND REQUIREMENTS OF THIS POSITION

TALKING:	Ability to speak effectively and communicate clearly.
AVERAGE HEARING:	Able to hear average conversations.
REPETITIVE MOTION:	The employee is regularly required to type continuously throughout the day.
FINGER DEXTERITY:	The employee is regularly required to use hands to type.
AVERAGE VISION:	Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception and ability to adjust focus.
PHYSICAL STRENGTH:	The employee may occasionally lift and/or move up to 25 pounds. May sit for long periods of time.

WORKING CONDITIONS

Light manufacturing/lab environment with some noise and forklift traffic. Occasional general office environment.

TRAVEL EXPECTATIONS

Minimal is expected

MENTAL ACTIVITIES AND REQUIREMENTS OF THIS POSITION

REASONING ABILITY:	Ability to deal with a variety of variables under only limited standardization.
MATHEMATICS ABILITY:	Ability to add, subtract, multiply and divide in all units of measure using whole numbers and common fractions.

LANGUAGE ABILITY:

Ability to read, analyze, and interpret business documents. Ability to communicate clearly.

INTENT AND FUNCTION OF JOB DESCRIPTIONS

Job descriptions assist organizations in ensuring that the hiring process is fairly administered and that qualified employees are selected. They are also essential to an effective appraisal system and related promotion, transfer, layoff, and termination decisions. Well constructed job descriptions are an integral part of any effective compensation system.

All descriptions have been reviewed to ensure that only essential functions and basic duties have been included. Peripheral tasks, only incidentally related to each position, have been excluded. Requirements, skills, and abilities included have been determined to be the minimal standards required to successfully perform the positions. In no instance, however, should the duties, responsibilities, and requirements delineated be interpreted as all-inclusive. Additional functions and requirements may be assigned by supervisors as deemed appropriate.

In accordance with the Americans with Disabilities Act, it is possible that requirements may be modified to reasonably accommodate disabled individuals. However, no accommodation will be made which may pose serious health or safety risks to the employee or others or which impose undue hardships on the organization.

Job descriptions are not intended as and do not create employment contracts. The organization maintains its status as an at-will employer. Employees can be terminated for any reason not prohibited by law.