

High Voltage Electrical Engineer

VJ X-Ray LLC (VJX) is the global leader in developing and manufacturing integrated x-ray sources and high voltage generators. Our mission is to be uncompromising in pushing the boundaries of component design and manufacturing for every OEM partner.

A High Voltage Electrical Engineer at VJX is engaged in technical projects that include design, assembling, wiring, testing and troubleshooting complex, electro-mechanical, integrated x-ray sources and high voltage generators.

Job Description:

- Design, modify and evaluate electronic circuitry, parts and components for high voltage power supplies for x-ray applications
- Test, troubleshoot and debug electrical components and systems
- Regularly work with power output up to 450 kV and up to 6kW
- Work on multiple projects varying in complexity from inception to completion
- Analyze equipment to establish operating data and conduct experimental tests
- Works with technical personnel to ensure prototype models are assembled according to design specification
- Review engineering drawings and designs to ensure adherence to established specifications, internal guidelines, quality standards and national codes/standards
- Generate, revise or finalize BOMs
- Create and maintain engineering reports
- Interact with a cross-disciplinary engineering team (mechanical, electrical, embedded software and special projects) on system designs and to help resolve customer issues and provide world class customer service
- Participation in the creation of technical documentation, system manuals and customer facing documentation
- Safety Sensitive Position

Essential Skills:

- Bachelor's Degree in Electrical Engineering
- Minimum of 3 years of experience in a manufacturing environment
- Strong working knowledge of power supplies, electrical circuitry with established electrical safety work protocols and practices and ability to read electrical diagrams
- Knowledge of analog circuit design
- Familiarity with soft switching techniques, schematics capture and PCB layout
- Ability to solve complex technical problems with minimal supervision
- Experience with a variety of testing equipment including but not limited to Oscilloscopes and Multimeters
- Proficient soldering skills
- Proficiency in the English language with established written and verbal communication skills
- Ability to effectively communicate with all levels of staff and customers to influence, train and negotiate simple to complex topics
- Proficiency in Outlook, Microsoft Word, Excel and PowerPoint



Powering Technology That Matters

- Ability to work in a fast-paced dynamic environment, capable of prioritization, multitasking and effective organization
- Must be legally authorized to work in the US
- Will need to successfully pass a drug screening and background check

Non-Essential Skills:

- Knowledge of CE, UL, or other applicable regulatory guidelines or standards
- Basic understanding of an ERP system
- Ability to travel domestically and internationally for customer service purposes

Physical Demands and Mental Demands:

- Regularly required to sit, walk, bend, stoop and stand in a manufacturing environment
- Will be required to lift, move, erect, install and assemble components of varying weight, height, length and width dimensions
- Day to day responsibilities will require lifting, moving, staging and placing of materials up to 50 pounds alone and heavier with assistance
- Will need to repeatedly use hands & fingers to operate basic office equipment and operate hand and power tools standard to a production environment
- Expected to effectively communicate in person, on phone, and via email or other electronic devices on a continual and repetitive basis
- Vision abilities required for this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus
- Must be able to fulfill essential job function in a consistent state of alertness and safe manner
- May be required to travel, domestically and internationally, by car and by air. Overnight stays may also be required.
- On a regular basis, will be required to:
 - use written and oral communication skills
 - read and interpret data, information and documents
 - analyze and solve non-routine and complex problems
 - be creative, make judgements, use reasoning and make decisions
 - observe and interpret situations
 - learn and apply new information or skills
 - perform detailed work on multiple, concurrent tasks
 - work under intensive deadlines with frequent interruptions
 - interact with internal and external customers holding positions from a wide array of disciplines and organizational hierarchy levels
- May need to communicate and effectively manage dissatisfied or frustrated customers and/or interface with difficult/demanding individuals.

This job description is not all inclusive and is subject to change at any time. VJ X-Ray LLC provides equal employment opportunity to all individuals regardless of their race, color, creed, religion, gender, age, sexual orientation, national origin, disability, veteran status, or any other characteristic protected by state, federal, or local law. Discrimination of any type is not tolerated.