

Company Name: UMG / DEL MEDICAL

Position: Sr. Electrical Design Engineer

Job Responsibilities

- Design and/or re-design, prototype, evaluate and implement electronics and electrical assemblies for medical x-ray systems to meet functional, quality, reliability, schedule and cost requirements
- Scope of designs includes control systems, analog circuits, embedded microcontroller systems, motion control, sensor interfacing, user interfaces, and software
- Design printed circuit boards, develop, release and revise electrical drawings and schematics
- Provide Engineering support for various departments including, but not limited to, Production, Purchasing and Service
- Generate engineering test plans, perform inspections, verification and validation testing
- Resolve electrical issues at the component, board, and system level

Experience

- Preferred minimum of 7 years of hands-on work experience in the development of new products. At least 5 of those years in the design, development and launching medical x-ray systems

Knowledge/Skills

- Knowledge of IEC 60601-1, UL, FDA and ISO requirements for medical device design and manufacturing processes
- Experienced with analog and digital board level design and debugging
- Working knowledge of the following serial communication protocols: USB, CAN, RS232
- Working knowledge of LCD/LED/Touch Screen Display and User Interface Design
- Working knowledge of software tools for circuit design and simulation (Altium Designer)
- Design experience in the following: Network Interfacing, Embedded Control Systems, power supplies, motion control and analog sensor interfaces
- Knowledge of RF technology, EMI/EMC requirements, and electronic interfaces

Education

- Bachelor's Degree in Electrical Engineering

Industry

- Electrical/Electronic Manufacturing
- Medical Devices
- Hospital & Health Care

Employment Type

- Full-time

Benefits

- Medical, Dental, Short-Term & Long-Term Disability, Vol. Life, Vision, 401K