

Job Title: Senior Mechanical Design Engineer

Reports to: SVP of Engineering

Date: 6/01/10

Description: Self-motivated and highly driven mechanical engineer to work on material detection platform chassis's/enclosures, reporting directly to the SVP of engineering. The ideal candidate will have at least 4 years of mechanical design and development experience in an R&D environment. Must be flexible, have the ability to multi-task and present technical presentations directly to development engineering and management teams.

Duties & Responsibilities:

- Mechanical Design of all PCB's
- PCB and enclosure thermal analysis
- Mechanical system and enclosure design and architecture of X-Ray based systems and sub-systems

Qualifications:

- Must have a proven track record in bringing products to market.
- Must be willing to relocate to Florida.
- Ability to work well under aggressive time constraints and in a fast paced dynamic work environment
- Must be a self starter, flexible and work with minimal supervision
- Ability to perform system and card level thermal design
- In-depth knowledge of DFM techniques
- Understanding of PCB fabrication and assembly process
- At least 3 years of experience in electronic packaging design
- At least 3 years of experience in the development of sheet-metal and plastic parts
- At least 3 years experience in designing products to meet EMI, RFI and EMC standards.
- At least 4 years of experience of complex mechanical motion design
- Knowledge of needed requirements to meet various compliance and safety standards
- Understanding of power distribution
- Solid modeling experience
- Familiar with military chassis requirements a plus
- X-ray enclosure design a plus
- X-ray shielding design a plus
- Familiar with Geometric Dimensioning and Tolerancing (GD&T) concepts and practices a plus

Education:

- MS in ME or equivalent experience.