

| <i>Description</i> | |
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| Job Title | Manufacturing Engineer |
| Reports to Title | Sr. Director of Engineering |
| General Accountability | Transfer new electromechanical designs of medical devices to manufacturing operations (in house and contract manufacturers); review and updates the product design to improve efficiency and quality and minimize costs; sustain the product through its lifecycle. |
| Duties and Responsibilities | <ol style="list-style-type: none"> 1. Stay up-to-date and follow all Quality System procedures. 2. Work closely with design team throughout the design phase to ensure manufacturability, reliability and testability of products. 3. Participate in Design for Manufacturing/Testability/Reliability reviews. 4. Translate design documents and test specifications into manufacturing assembly and test instructions. 5. Create manufacturing forms that establish traceability of finished products. 6. Train and support the operators who manufacture and test the products. 7. Validate manufacturing processes. 8. Help to identify and qualify suppliers of custom parts. 9. Interact with contract manufacturers to resolve issues related to manufacturability. 10. Resolve obsolescence issues by specifying part alternatives or proposing design changes. 11. Perform cost analysis (parts and labour) and contribute to drive down the costs of products by suggesting changes to design or test methods. 12. Look for opportunities to automate and streamline manufacturing tests. 13. Create and maintain automated test scripts. 14. Assist with audits by regulatory bodies. |

| <i>Competencies</i> | |
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| Education | Bachelor's degree in Engineering and minimum 5 years relevant experience. Experience with design and testing of electromechanical systems preferred. |
| Certifications | None |
| Key Attributes (experience, skills and technical knowledge) | <ol style="list-style-type: none"> 1. Comprehensive knowledge of the manufacturing environment and of the new product introduction paradigm. 2. Knowledge of the product lifecycle. 3. Ability to interpret technical drawings, dimensions, tolerances, etc. 4. Ability to interpret circuit schematics. |

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| | <ol style="list-style-type: none">5. Proven ability to design manufacturing tests, electrical and mechanical.6. Comprehensive knowledge of quality management systems.7. Experience with design transfer to production.8. Knowledge of test software such as LabView.9. Experience with interacting with contract manufacturers and of outsourcing manufacturing.10. Experience with value/cost engineering.11. Proven ability to establish working relationships with design engineers, operators, and QA personnel.12. Strong communication skills, written and oral. |
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