

Manufacturing Process Engineer (REF 1810 ENGR ManE)

JOB DESCRIPTION

Reporting to the Manufacturing and Service Engineering Manager, he/she will follow the Production in external Plants.

He/she will cooperate with internal company departments, as Sales, Technical Support, Field Application Specialists and Manufacturing partners, finding the best technical and logistic solutions.

He/she will participate to industrialization of new products, leading the design for manufacturing, the design for testability and the transfer to manufacture, managing the entire life cycle of complex engineering systems for Medical Research and IVD Markets.

DUTIES AND RESPONSIBILITIES

- Plan and manage the transition from the design phase to the mass production phase taking into account all the technical, regulatory, quality, organizational, economic and human constraints.
- Manage, with the collaboration of the R&D team, the evaluation and definition of technical solutions according to the design for manufacturing and design for testability concepts.
- Implementation of optimized production technologies, testing tools and industrial tools for new products and/or for the optimization of existing production lines.
- Manage, with the collaborations of the manufacturing partners, the definition of the proper workflows, assembly and test procedures.
- Manage, with the collaboration of the R&D team, the introduction of technical solutions to assure the appropriate endurance, transportation, installation and maintenance.
- Manage the exchange of information between the R&D, the production, the service and the purchase dept.
- Manage, in collaboration with the manufacturing partners, the resolution of technical issues
- Support the Quality Dept for management of audit to contract manufacturers and for qualification of new manufacturing partners.
- Prepare and verify manufacturing and service dossier and technical reports for non-conformities management in compliance with the prescribed standards.
- Support the transfer to manufacture and provide technical assistance during the entire life cycle of the products, from prototype and pilot production to serial production.
- Coordinate external Service Companies in installations, maintenances, repairs and test activities
- Diagnose errors or technical problems and determine proper solutions

BASIC REQUIREMENTS

- Degree in engineering
- Strong technical background in manufacturing processes that involves the production and integration of mechanical, electronic, pneumatic, fluid handling, thermal management, optical, moving parts and subsystems.
- 8 to 10 years of experience in similar positions
- Experience in biomedical application instruments
- Knowledge of ISO 13485 and USA 21 CFR 820 quality system regulation
- Basic knowledge of 2D & 3D CAD design

- Ability to lead projects in a dynamic environment
- Capability to develop technical solutions autonomously
- Capability to manage multidisciplinary projects involving international partners
- Good English knowledge (written and spoken)

PREFERRED REQUIREMENTS

- Knowledge of IEC/UL 61010, ISO 14971, UNI EN ISO 12100, IEC 60812 standards, IEC 62304,
- Knowledge of MEMS photolithographic processes, injection molding fabrication processes

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