

RISHI R. SINGH

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Medical Device Engineering Management professional with over twenty one years of experience and expertise in product / process development, project management, and technical leadership.

SUMMARY OF QUALIFICATIONS

- Efficiently manages staff through multiple company sponsored initiatives from initial conception to production rollout.
- Provides leadership, structure, training, resources, and recognition to develop a strong team environment, also recognizing individual contributions.
- Provides project and technical leadership in the areas of product and process development, design for manufacturing, statistics, process validation, FMEA, DOE, project management and other quality tools.
- Participates in the development of departmental policies and procedures. Assumes primary responsibility through the development and approval of said procedures.
- Collaborates with other functional managers, project managers, and technology leads to understand and prioritize their needs as it relates to the engineering function.
- Tracks internal trends and identify process improvements based on observed data.
- Supports auditing activities through planning and direct interaction with auditing personnel.
- Communicates effectively in writing, speaking, listening, and responding to all levels and functions within an organization, including technical and non-technical personnel.
- Proficient in Microsoft Office, Adobe Acrobat, Minitab Version 18, and SolidWorks 2017.
- Train and guide engineering staff on the use and application of Instron, Chatillon, and Dillon torque and tensile test equipment.

PROFESSIONAL EXPERIENCE

MAQUET CARDIOVASCULAR

Wayne, NJ

Maquet is a worldwide leader on the development manufacture of Cardiac Surgery products, specializing in endoscopic vessel harvesting and cardiac bypass assisting products.

ENGINEERING MANAGER, PRODUCT DEVELOPMENT

2020-Present

ENGINEERING SUPERVISOR

2016-2020

SENIOR ENGINEER

2012-2016

PROCESS DEVELOPMENT ENGINEER II

2009-2012

- Lead a 6-person team focused on new product design input, product design development and design for manufacture, production line development, component vendor technical logistics, product qualification and launch, as well as business remediation initiatives.
- Interact with various department leaders and project management to develop product, project, and business needs.
- Establishes priorities, timelines, budgeting, and boundaries for engineering staff.
- Provides coaching and mentoring to the engineering staff to ensure continuous personal and professional development.
- Acts as technical guide to engineering teams through new product development, market released product investigations, design change, statistical, and six sigma initiatives.
- Guides staff through statistical analysis and six sigma approaches.
- Supports audit events through direct interaction and discussion with auditors.
- Lead implementation of risk management documents, FMEA, SPC, validation and process control maps.
- Participates in the review and revision of departmental policies and procedures.
- Presents technical reviews to Leadership Board.

MICRO STAMPING CORPORATION

Somerset, NJ

Micro Stamping Corporation is a manufacturing firm specializing in the production of medical device sub-components and assemblies.

PROJECT ENGINEER

2008-2009

- Led cross functional teams throughout project life cycle from concept into production release.
- Managed project schedules, budgets, manufacturing design standards, and quality assurance initiatives.
- Supported product development initiatives through direct customer interaction defining critical product requirements.
- Led project technical reviews presented to business leadership on project progression.
- Trained technical staff on new equipment and processes utilized within the business.

LIFECCELL CORPORATION

Branchburg, NJ

LifeCell Corporation is a medical device company that specializes in human tissue regenerative technology.

PRODUCT DEVELOPMENT ENGINEER

2006- 2008

- Led various project teams spanning 4 to 11 members through product conception, development, optimization, validation, and final release to meet company deliverables.
- Led product development initiatives including customer need definition, prototype fabrication and optimization, and final validation.
- Conducted design and technical reviews to leadership team on new and existing products.
- Led the release of process optimization initiatives which yielded net business profit growth of 30%.

BECTON DICKINSON

Franklin Lakes, NJ

Becton Dickinson is a global medical device leader specializing in a wide variety of health care segments including development of technologies around blood specimen acquisition, containment, and analysis.

SENIOR PRODUCT DEVELOPMENT ENGINEER

2004-2006

PRODUCT DEVELOPMENT ENGINEER

2001-2004

- Supported project teams to establish product design requirements through direct interaction with customers to define user needs.
- Utilized six sigma methodologies to identify and institute product functionality needs and formulate testing strategies.
- Executed validation activities qualifying the acceptance of production equipment.
- Educated laboratory technicians on product testing and equipment use relating to ongoing and completed projects.
- Conducted department and project audits to ensure compliance with government and regulatory requirements.
- Piloted project documentation closeouts and audited project documentation to guarantee site compliance with FDA regulations and ISO-9000 standards.
- Conducted performance reviews for technical staff guiding further technical and professional growth within the business.

EDUCATION AND TRAINING

BACHELOR OF ENGINEERING

STEVENS INSTITUTE OF TECHNOLOGY

Hoboken, NJ

Major in Chemical Engineering

PROFESSIONAL TRAINING

- Six Sigma Green Belt, Design for Six Sigma - Validation Practitioner