
MANUFACTURING / QUALITY ENGINEER

Wide, progressive experience in manufacturing a diverse range of products with sound understanding of Manufacturing processes, Quality Assurance and Lean Manufacturing principles. Conceptual thinker combines technical and analytical skills with a passion for improvement to deliver profitable and efficient solutions leading to reduction in costs, time and better quality. Articulate, employs tactful communication and interpersonal skills to establish rapport at all levels and develop strong working relationships. Recognized as a hands on engineer, team builder and motivator, possesses the drive and determination to build up excellent performances. Experience and competencies include:

- **Process Engineering** (*Stamping, Welding, Machining, Assembly, Painting*)
 - **Process Control** (*SPC, Reliability, DOE*)
 - **Quality Systems** (*Knowledge of ISO 9001, TS 16949*)
 - **Continuous Improvement** (*Product and Process Reengineering*)
 - **Inspection** (*GD&T, Metrology*)
 - **New Product Development** (*Prototype and commercial production, APQP,PPAP, FMEA*)
 - **Lean Manufacturing** (*Cellular mfg., 5S, TPM, RCA, JIT*)
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PROFESSIONAL EXPERIENCE**MANUFACTURING (Continuous Improvement) ENGINEER**, Freeze Co Systems Ltd. (2004 to 2006)

Responsibilities included Manufacturing Engineering, Quality Assurance and Continuous Improvement for manufacturing Process Cooling equipment.

- Initiated and implemented plant wide Continuous Improvement Program that resulted in:
 - 1) Increase in productivity by 20% through reduction in cycle times.
 - 2) Improvement in quality and reduction in customer complaints by 80% through:
 - Introduction of Root Cause Analysis, Failure Mode Analysis and stage wise comprehensive inspection checks and Supplier Quality Control.
 - Elimination of product defects and rework through re engineering of products and processes.
 - Standardization of work processes.
- Developed manufacturing of a new product, Modular chillers. This involved Advanced Quality Planning, FMEA, development of manufacturing processes and inspection and testing methods.

MANUFACTURING (Process) ENGINEER, DBG (De Biasi Group), (2003 to 2003)

Employed for a Process Improvement project on Robotic welding cells involved in manufacture of sheet metal components for the Automotive industry.

- Performed time study and detailed process analysis to work out solutions that resulted in improvement in output on Robotic Welding cell by 10%, reduction in downtime and rejections.
- Prepared FMEA for the for the weld cells.
- Developed a Preventive Maintenance Program for the Robotic cell.

MANUFACTURING (Continuous Improvement) ENGINEER, MILLARS LTD., (1998 to 2002)

Responsibilities included Manufacturing Engineering, Quality Assurance and Continuous Improvement for manufacturing Construction Machinery, Material Handling systems.

Built up a team to implement Continuous Improvement Program that resulted in increase in production capacity by 25%, reduction in costs by 20% and reduction in defects. Details of the program are as follows.

- Reengineered Manufacturing processes and product design to achieve reduction in processing times, savings in material costs, elimination of rework and improvement in quality.
- Carried out detailed time study and conceived and implemented a cellular manufacturing system that resulted in reduction of cycle times.
- Reduced defects in manufactured parts through development of a Productive Maintenance system.
- Developed Advanced Quality plans with detailed inspection checklists for both in house manufactured and supplier manufactured parts.
- Prepared documentation for implementation of ISO 9000.

MANUFACTURING (QUALITY) ENGINEERING SUPERVISOR, ACROW LTD. (1993 to 1998)

Responsibilities included Manufacturing (process) Engineering and Quality Assurance for sheet metal fabricated products for Industrial Storage (Racking) Systems (in technical collaboration with ACROW, UK) and launching a new product in Packaging Machinery.

- Developed manufacturing systems for various new sheet metal components including fixtures and tooling.
- Introduced a Quality Assurance program that included Advanced Quality Planning, Process reengineering, Statistical Process Control, Supplier Quality Control and Inspection and testing methods.
- Led a team to develop and launch a new product, Automatic Weighing and Bagging Systems. This included development of manufacturing processes, Advanced Quality planning for parts, development of inspection and testing methods, development of suppliers and supplier quality assurance.
- Developed in house production of imported components that enabled reduction in overall product cost by 10%.

MANUFACTURING ENGINEER, HUMIFRESH LTD. (1990 to 1993)

Responsibilities included Manufacturing (process) Engineering and Quality Assurance for manufacturing new products in cooling systems (in technical collaboration with PRESSURE COOL Co., USA).

- Installed and commissioned plant for manufacture of Injection molding of Polyurethane Sandwich Insulation Panels within stipulated time.
- Developed manufacturing systems including tooling for insulation panels.
- Developed manufacturing of a new product, pre cooling systems including Advanced Quality planning, manufacturing Process engineering and development of suppliers and supplier quality control.
- Developed Quality plans and inspection checklists for new parts.

MANUFACTURING ENGINEER, INNOVATIVE ENGINEERS LTD. (1986 to 1990)

Manufacturing of custom fabricated products involving processes of Shearing, Stamping, Welding, Assembly, Painting.

- Designed and developed new tooling and manufacturing systems for various custom fabricated products.
- Developed Quality plans and inspection checklists and methods.

Other Experience:

Teaching Statistics and Quality Assurance at HJM Quality Education Consultants Inc.

EDUCATION

1) Bachelor's Degree in Mechanical Engineering from Indian Institute of Technology (IIT), Bombay, India.

Times of London has ranked IIT as World's 3rd Best Technology University... read more at

<http://www.gmat.unsw.edu.au/LinlinGe/News/WorldTop100TechUniv.pdf>

2) Diploma in Quality Assurance from HJM Quality Education Consultants, Mississauga, Canada.

Professional courses:

- 1) Training in Lean Manufacturing from Bombay Management Association, Mumbai, India.
- 2) Training in OHSA, WHMIS and First Aid

Professional Memberships:

Registered as EIT with Professional Engineers Ontario (PEO).

Member, American Society for Quality (ASQ)

Computer Skills: MS Word, Excel, MS Project, MINITAB, MRP II, Autocad.