

Job Objective:

Full-time Mechanical/Quality/Manufacturing Engineer with a focus on Lean Manufacturing, Quality Control & Industrial Engineering.

Summary of Qualifications:

- Highly Creative / Innovative
- Lean Manufacturing
- FMEA
- Statistical Process Control
- Quality Assurance
- Continuous Process Improvement
- ISO 9001, AS9100, 14001, 13485
- AutoCAD, UG NX5, PRO E
- Root Cause Analysis
- Cost Reduction Strategies
- Result oriented
- Troubleshooting / Problem Solving

Work Experience:

❖ **Quality Assurance Manager at James Ippolito & Co, Inc. Bridgeport CT. Oct 2010 – Present.**

- ✓ Lead the Quality Assurance Department & assure the highest quality of manufactured products.
- ✓ Prepare Inspection plan for all incoming jobs by reviewing the manufacturing drawings and deciding the inspection methods & the inspection frequency.
- ✓ Perform First Piece/First Article Inspection & document in accordance with AS 9102.
- ✓ Periodically monitor & assure in-process quality control by supervising all work centres for compliance to the Inspection plan.
- ✓ Perform final inspection of lots & accordingly prepare the necessary documentation.
- ✓ Maintain neat & orderly gage storage.
- ✓ Recall expired gages & calibrate in-house/send out for calibration in accordance with ANSI/NCSLZ5401.
- ✓ Identify & document root cause & corrective action for all internal non-conformance or when requested by customers (SCAR's).
- ✓ Periodically perform internal audits & coordinate customer audits for compliance to AS9100/ISO9000 Quality System Administration.
- ✓ Actively participate in Continuous Improvement Exercises and make small gradual improvements with the ultimate goal of attaining highest quality at the lowest cost and delivering on time.
- ✓ Participate in other engineering assignments out of job scope and ensure their successful completion.

❖ **Intern – CNC Programming Dept, Godrej & Boyce Mfg. Co. Ltd, Mumbai, India, 2004 – 2005.**

- ✓ Successfully co-ordinated the installation of Quick Change Clamping Mechanism on a pair of CNC Machines.
- ✓ This reduced nearly 65% of job set up time thus improving productivity & saved about \$8000 annually.
- ✓ My major involvement was in the design of the base plate for the CNC machine.
- ✓ Took a self initiative to learn Pro E and AutoCAD and did 3D modelling for numerous jobs.

❖ **Intern – Marketing Dept, Tata Iron & Steel Company - Wire Division, Mumbai, India, 2003.**

- ✓ Did exhaustive market research to scope the demand of Aluminium Coated Steel Reinforced Wire for next 3.5 years.
- ✓ Learnt ambush marketing and interacted with different levels of the organization right from workers to managers.
- ✓ Worked with “Pragati Quality Circle” and helped reduce the consumption of chemical “Bonder” used for treating wires. Major involvement was in brain storming sessions and documenting minutes of meetings.

Education:

College	Degree	Location	GPA	Graduation
Michigan Technological University	M.S. Mechanical Engg	Michigan, U.S.A.	3.4/4	May 2010
Rajiv Gandhi Institute of Technology	B.S. Mechanical Engg	Mumbai, India	3.74/4	2005-2008
Shri Bhagubhai Mafatlal Polytechnic	Associates Mechanical	Mumbai, India	8.1/10	2001-2005

Engineering Projects:**❖ Lean Learning Lab – Terex Handlers, Baraga, Michigan – January 09 – April 09**

- ✓ Improved functionality of “Engine-Sub Department” by applying Lean Manufacturing principles like 5S, Pokayoke, Kanban, FMEA, & Cellular Manufacturing. Got familiar with the continuous improvement concept.
- ✓ Participated in a one day Kaizen Event to implement the proposed changes.

❖ Drill Speeder Assembly, MTU – May 09 – June 09

- ✓ Successfully modelled a Drill Speeder Gear Box Assembly in UG NX5 as a final project for the class CAD Techniques.

❖ Management Project – New Dimension Crushers, Houghton – January 09 – April 09

- ✓ Helped a local entrepreneur improve, expand and manage his business by applying strategic management principles.

❖ Skid warning indicator in a two wheeler. (Undergraduate Project), Mumbai, India – June 07 – July 08

- ✓ Developed an innovative concept for a mechanism which warns well in advance before a two wheeler is about to skid. Carried out research, fabrication, testing, analysis & presented the results for the same.

❖ Fabrication of a Drill Jig (Technical Diploma Project), Mumbai, India – July 04 – December 04

- ✓ Fabricated a Drilling Jig to accurately locate two holes on a component to be mass manufactured.

Relevant Courses:

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|--------------------------|---------------------------------|-----------------------------------|
| 1. Lean Manufacturing | 2. Advanced Quality Engineering | 3. Design of Experiments |
| 4. Production Planning | 5. Supply Chain Mgt. | 6. Business Process Reengineering |
| 7. Industrial Engg & ERP | 8. Work Study | |

Technical Skills:

Software's: Unigraphics NX5, PRO Engineer WF, AutoCAD, Matlab, Ansys, Solidworks, Minitab, MS Office.

Other: Machining – Lathe, Mill, Drilling, CNC Operation, Basic Welding (Gas, Spot).