

NAME

City, ST • XXX.XXX.XXXX • Email

LinkedIn

Quality Engineer

Seasoned and accomplished senior engineer with 10+ years of experience and a comprehensive background in overseeing and leading product design and development programs for companies in advanced engineering and manufacturing industries. Expertise in quality engineering, lean manufacturing, and product and process design complemented by the ability to deliver quality controls and enhancements to improve product quality, manufacturing flow, and customer satisfaction. Adept at analyzing processes and implementing improvements using lean methods to increase productivity and efficiency while controlling costs. Proven leader capable of training, developing, and directing cross-functional teams. Skilled communicator with strong interpersonal skills used to interact, collaborate, and build alliances with clients, senior leaders, associates, and vendors. *Areas of Expertise include:*

Quality Engineering & Operations | Process Improvement | Program Management | Audits & Compliance
Manufacturing Process | Client Relationship | Training & Development | Team Building & Leadership

PROFESSIONAL EXPERIENCE

Employer, City, ST

2011 – 2016

Supervisor, Product Metallurgical Engineering, Automotive, 2016

Oversaw and managed automotive product metallurgical team and supported diverse product groups, including Automotive body sheets, brazing clad products, stationary clad products, Industrial application clad products and MIC 6 plate, Alcoa proprietary alloy for tools, and jigs, contributing to 35%-40% of plant's revenue. Led business growth for automotive products by developing new products and securing new customers. Hosted NPD meetings across cross-functional Commercial, Technical, and R & D group. Delivered technical and metallurgical support to all customers for the products and services with focus on maintaining claims rate within the acceptable norms. Served major clients, including Ford, GM, Chrysler, Mahle, Modine, Denso-Toyota, Contech, Carrier, Luvata, SAPA, AKG, DANA, and various distributors and stampers associated with final products.

- Enhanced processes to eliminate and reduce internal scrap rate and improve quality and productivity.
- Contributed to Plant Safety committee and Rewards & Recognition committee for five years.
- Served as member of Rewards and Recognition committee in grading and selecting best project across plant.
- Delivered technical training to team for multiple quality tools, including Minitab, APQP, PPAP development and implementation, root cause analysis, and corrective actions and usage of process management tools, while executing projects.

Product Metallurgist, Automotive Group, 2012-2016

Directed new product development for new automotive customers, including Ford, General Motors, and Chrysler by meeting stringent specification requirements for 5754-O alloy. Assisted in quality system and certification audits for both internal systems and in client audits, including Ford, Estampados, and CQI-9.

- Enhanced processes to eliminate and reduce internal scrap rate and improve quality and productivity.
- Contributed to incremental growth of 17MM lbs/year for Lancaster plant.
- Planned, managed, and delivered micro mill qualification project for Ford 150, significantly improving productivity by freeing up capacity of cast house, hot mill, and cold mills and increasing plant capacity to 546K MM lbs/year level.
- Managed program qualifying Lancaster Plant with Chrysler surface critical products and a new developmental alloy of 5182-RSS, increasing business growth of 10.5MM lbs/annum starting Q1 2016 and potential of an additional 6MM lbs/year with GM qualification.
- Developed qualified tube stock of 301-H24 for Modine-Trenton, Mexico, and Brazil tube mills, contributing to growth of 5MM lbs/year for plant.

Product Metallurgist, Plate Mill, 2011-2012

Selected to provide technical support COE for all metallurgical requirements of MIC6 customers. Completed claims review for MIC 6 customers and technical support of MIC 6 inquiries from their end customers.

- Improved process efficiencies in stress annealing cycle by changing a legacy 15-year-old practice to a new, single annealing practice for all light and heavy gauge products.
- Significantly contributed to establishing use of quality inspection tools, pre-fill at every stage of process to better understand quality of melt in smelters, holders, and troughs as part of dross improvement trials.

Employer, City, ST

1995 – 2011

Process & Product Design Engineer, Aerospace

Planned, managed, and completed multiple projects from concept and development through manufacturing and investment casting process. Led end-to-end process of components, including feasibility studies, cost estimates, tool design and die manufacturing coordination, flow patterns simulation, process and test documentation development, and failure investigation analysis.

- Headed various projects in developing intricate-shaped, thin-walled, aeronautical-quality investment casting parts for the aircraft engine, fuselage, and landing gear of combat aircrafts.
- Co-directed team instrumental in designing and developing components for British Aerospace, UK and Moog International, US, gaining valuable global quality process knowledge.
- Secured hands-on shop floor experience in working with wide range of materials, including stainless steel, low carbon steel, aluminum alloys, titanium alloys, copper, and nickel-based super alloys.
- Earned full proficiency in international aeronautical and military standards, including ASTM, BS, DIN, French, Russian, and Rolls Royce.
- Spearheaded high-profile, prestigious project for Indian Space Research Organization, reducing rejection rate from 30% to <5% of Ti-alloy rings manufactured for satellite bodies.
- Instrumental in improving shop floor productivity by reducing cycle time 20%, using lean manufacturing principles for several sustaining projects.

EDUCATION & CREDENTIALS

Master in Material Science Engineering,

Indian Institute of Science, India

Bachelor of Technology, Material Science Engineering,

Visvesvaraya National Institute of Technology, India

Additional Training

TELED participation, 2015

FRP Training on Global Rolled Products, March 2013

Dale Carnegie, Effective Communications/Human Relations/Skills for Success, Dec 2012

QS 9000 Quality Systems, Work Study Models, & Project Planning

Six Sigma Green Belt, Quest, 2004

Affiliations

Member, Society of Manufacturing Engineers (SME)

Award & Honors

Received multiple R & R awards for organizational growth and productivity improvements and multiple Suggestion awards for reducing costs and improving product quality

Team Facilitator at National Level Quality Circle Competitions

Represented US Automotive Technical Team at 2015 Global Brazing Conference

Technical Skills

Statistical Tools (Minitab), Solidification,

Simulation Software, MS Word/Excel/PowerPoint