



TEJAS KUMAR GANDHI

Metallurgy Engineer

PROFILE

I have 24 years of casting industry experience and a diploma in metallurgical and mechanical engineering. I've demonstrated success in handling a variety of responsibilities, including team management, quality assurance, and production process supervision. I have experience organizing and putting into practice efficient casting procedures to meet production goals and quality standards. In order to ensure smooth operations, I also have experience debugging and resolving technical issues. I've had experience using state-of-the-art techniques and resources to boost productivity and reduce downtime. My strong leadership and communication skills enable me to work with cross-functional teams and foster ongoing development. I promise to consistently deliver top-notch castings that meet the needs of my clients.

CONTACT

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EDUCATION

Dr. S. & S.S. Gandhi College of Engineering & Technology, Surat

Diploma in Metallurgy Engineering

October-1996

59.72 Percentage (%)

Government Polytechnic College, Valsad

Diploma in Mechanical Engineering (Distance Learning)

May-2001

65.23 Percentage (%)

WORK EXPERIENCE

Bipico Industries Tools Private Limited, Bilimora, Gujarat

Designation: - : PROD./Q.C.ENGG,

10/04/1996–18/05/2000

- **Heat Treatment Operations:** Skilled in operating and maintaining gas-fired muffle batch furnaces for hardening, tempering, and annealing processes.
- **Quality Assurance:** Conducted thorough testing and inspection of in-process products to ensure adherence to quality standards, including hardness testing and profile analysis.
- **Production Management:** Effectively managed production schedules, controlled inventory, and optimized resource allocation to meet production targets.
- **Documentation and Compliance:** Meticulously maintained detailed documentation and traceability records in accordance with ISO standards, ensuring compliance and accountability.

Apar Industries, Silvassa, Gujarat

Designation: - PROD./Q.C. ENGG.

08/06/2001–12/09/2006

- **Furnace Management:** Operated and maintained 13-ton Encon oil-fired melting furnace and 8-ton holding furnace.
- **Raw Material Handling:** Inspected and verified incoming raw materials (aluminum alloy scrap, ingots) for quality and quantity.
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SKILLS

- Quality Control
- Induction Melting
- Management
- Leadership
- Communication
- Production
- Heat Treatment

HOBBIES

Music
Reading
Traveling

- **Process Documentation:** Maintained detailed heat logs, recorded production data, and prepared test certificates.
- **Production Planning:** Coordinated and executed shop floor operations, including melting, melt composition adjustment, metal treatment, and rolling mill processes.
- **Material Handling:** Managed the transportation and storage of raw materials (malco, Nalco, aluminum ingots) to ensure traceability.
- **Quality Control:** Conducted spectrometric analysis using MetalScan equipment to verify aluminum scrap composition and checked for adherence to ISO standard parameters (tensile strength, elongation, resistivity).
- **Documentation:** Maintained comprehensive documentation and traceability records in accordance with ISO standards.
- **Third-Party Inspections:** Coordinated with external inspection agencies (PowerGrid, BHEL) to ensure product compliance.

Batilboi Limited (Foundry Div.), Surat, Gujarat

Designation: -MANAGER Q.C. Melting & purchase

10/10/2006- ongoing

- **Quality Assurance:** Implemented robust QA processes, including incoming material inspection, physical and chemical property testing, and documentation.
- **Production Optimization:** Optimized melting operations, reducing power consumption and rejection rates.
- **Cost Control:** Managed production costs effectively through efficient material usage and process optimization.
- **Safety Management:** Fostered a safe work environment through strict adherence to safety protocols and discipline.
- **Continuous Improvement:** Drove initiatives to enhance quality, productivity, and reliability through data-driven analysis and process improvements.
- **ISO Compliance:** Ensured compliance with ISO standards through meticulous documentation and traceability.
- **Team Leadership:** Provided technical guidance and leadership to production teams.

Training

- **Confederation of Indian Industry (CII)**
 - ❖ TPM Implementation Training: Provided comprehensive training on Total Productive Maintenance principles and methodologies to enhance equipment efficiency and reduce downtime.
- **Vishwa Bharati Educational and Charitable Trust, Hyderabad**
 - ❖ quality control, process improvement, regulatory compliance.
- **Innovative Institute of Inspection & NDT, Surat**
 - ❖ Certified in Ultrasonic and Magnetic Particle Testing (Level 1 & 2)
Completion Date: May 29, 2009