**Mohamed**



Email: [mohamed.289018@2freemail.com](mailto:mohamed.289018@2freemail.com)

**Quality Control Engineer.**

**

***Objective***To pursue a challenging environment with tremendous opportunities to unleash my potential in your esteemed organization with a Global environment and to be sincere towards excellence and inspire others to work along with me in every opportunity to reach the pinnacle of success.

***Career Summary***

* Expertise in Operation, Design and Quality Process.
* Worked as a Shift In charge and acting as an Asst. manager in Aluminum Alloy Coil Casting, Rolling of Mill Finish Coil & Surface Color Coating of Coil Manufacturing industry since last 3.0 years and have a good experience in Quality Control, Testing, Process, Operation, Quality system related & Production functions.
* Profound in meeting with client expectations (Quality Assurance).
* Inspection the output of all finished product quality before delivery and Process to be maintained as per SOP.
* Good understanding of machine working hence detects if any discrepancy & Root cause analysis to troubleshooting the quality issues.
* Implementation of 5S, 7QC Tools, TQM, TPM & QHSE.
* ISO Auditor training program completed and internal audit conducted.
* Acquainted and comfortable with team oriented environment with strong trouble-shooting.
* Excellent knowledge of Occupational “Quality, Health, Safety & Environment” Administration.

***Industry Experience***

Industry : **Alumill Tech Gulf LLC** (Elite Group of Company at UAE)

Designation : Quality Control Engineer.

Duration : 14th August 2013 to 14th July 2016(3 Years)

Domain : Aluminum Coil Casting, Rolling & Color Coating Industry.

***Job Title: Quality control & Process control engineer***

1. ***Process Proficiency in Surface Color Coating Line***

* Have a well knowledge in the surface color coating of aluminum & GI Substrates.
* Online Visual Inspection to ensure the quality of coated coil in various stages from entry to exit section before dispatch the material.
* Testing of Coating Film properties of metal substrates such as WFT, DFT, Gloss, Color Matching (∆E), Bend Test(0 to 2t), MEK test, Pencil Hardness, Cupping, Impact, Cross Hatch Test, Adhesion, Flexibility, Humidity, Alkali Resistance & Salt spray.
* Very efficient knowledge of CIE LAB color management system as well as Munsell lab system.
* Testing of liquid paints to Non Volatile contents, Viscosity, Thinner Intake, Cartage and Cissing, Sagging, Opacity, Residue content and Film thickness.
* Control the quality of production methodologies to minimize the rejection %.
* Worked on the recovery of the entire plant with its root cause and implementing the methods with increasing recovery and productivity.
* To develop the new products as per demanding market requirement.
* Corrective & Preventive action to be taken for Non conformities for materials.
* Making of Daily, Monthly QC Reports with Updated NCR’s and its Graphical representation as per ISO 9001:2008 standards.

1. ***Process Proficiency in Aluminum Coil Casting & Cold Rolling Mill***

* Process knowledge in Continuous Aluminum Casting, Rolling(Aluminum Alloy Products of 1xxx to 8xxx series)
* Clear understanding of the melting process of the aluminum.
* Attained knowledge of the cold rolling of aluminum (4 Hi mill), Temper Annealing and providing the product to the maximum level of quality.
* Have deep understanding of the machine parts in casting, rolling, Tension leveler and troubleshooting the issues with highest level of accuracy.
* Trained with process flow of Tension Leveling, slitter, cut to length machines with meeting the demands of quality.
* Been known with the consumables in the manufacturing of aluminum product and its cost control.
* Have given outstanding performance in reducing gas consumption in year 2013 to 2015 and also reduce the melt loss from Melting Furnace it’s leading to a huge impact on the production cost of aluminum based product.

***Testing proficiency***

* Laboratory Testing are as follows as per ECCA , ASTM & BSEN Standard,
* Chemical Composition Testing, Ultimate Tensile Strength (UTS), Elongation and Yield strength, Rolling oil test, Profile variation of πD Crown, Gran Structure checking by acid etching & Roll Temperature test by IR Ray and RO Water Treatment Test (Ph, Tds, Conductivity, Fe & Moo4).
* Testing of coating properties of metal substrates such as WFT, DFT, Gloss, Color matching(∆E), MEK test, pencil hardness, cupping, Impact & cross hatch test.
* Standardization of OXFORD Spectrometer by Calibration.

***Technical Adroits***

**Metallurgical Skills**

Metal charging & skimming, Aluminum alloy Casting, Cold Rolling process, Annealing Treatment of Casted & Rolled coil, Surface coating of aluminum coil and its properties, Calibration of instruments, Chemical, physical & mechanical properties testing.

**Computer Skills**

Windows Operating System, MS Office, C, C++, Java, VB, H/W & N/W.

***Education***

**B.Tech** 2009-2012

Information technology,

Mountzion College of Engineering & Technology, Affiliated by Anna University at Chennai, Tamil Nadu, India.

**Diploma** 2006-2009

Electronics & Communication Engineering,

Venkateswara Polytechnic College,

Department of Technical Education at Chennai­, Tamil Nadu, India.

***Declaration***

I hereby declare that all above statements are true to the best of my knowledge & Belief.

*Yours legitimately*

*(Mr. Mohamed )*