



Akshay borawake

Contact: +91 7499304900

E-Mail: borawakeakshay9323@gmail.com

Education

- Diploma in mechanical engineering, Passed with First class Distinction.

Certifications / Trainings

- Certified IATF INTERNAL AUDITOR
- CERTIFIED WELDING INSPECTOR GD & T, CMM Inspection & Programming 6 Day Workshop Training completed at Cummins
- o Faro Arm & 3D Scanning of Geometrical Surface Training Program For Reverse Engineering in Polyworks. - 2019
- o SIX SIGMA YELLOW BELT
- o Advanced 7 QC tools training
- o PPAP, MSA & SPC TRAINING
- o Product Audit

IT SKILLS

Tools: Power BI, Oracle MS Excel, MS Power point, MS Word, MS Outlook, AutoCAD, Calypso, Polyworks.

Personal Details

Date of Birth

21st Jan 1998

Languages Known:

English (Read-Write-Speak)

Hindi (Read-Write-Speak)

Marathi (Read-Write-Speak)

Current Address:

At post -Saswad , Tal-
Purandar, Dist - Pune
Pin Code -412 301

Permanent Address:

At post -Saswad , Tal-
Purandar, Dist - Pune
Pin Code -412 301

Objective

Mechanical Engg with 4.8 Years Works Experience in Metrological & Calibration Laboratory, New product Development, Shopfloor Dimensional Inspection, CMM Programming

A result-oriented professional with excellence in implementing technical skills & quality System to deliver Desired output

Industry Preference: Auto OEMs / Non-Auto OEMs / Heavy OEMs

Profile Summary

- Goal oriented professional, with 4.8 years of experience in automotive industry.
- Continual Improvement through live management tools like LPA **Audit, Process Audit and Product Audit.**
- **Managing ISO 9001, IATF 16949:2018, Documentation** & Implementation of every procedure & Policies inside the plant.
- Sound knowledge of Eng. Drawing, Reverse Engineering, Machines Alignment, Machine Shop, Paint shop, Fabrication & casting shop.
- Resourceful in scheduling and executing Process Audits, Product Audits, Customer Audits, critical process parameters audit throughout the company to find out the GAPS and to improve the same.
- **Customer-centric Manufacturing Engineer** with skills in **understanding customer specific requirements** (AL,Tata Hitachi, Daimler,PACCAR, TML,) as well as addressing & resolving issues within set timeline for ensuring issues & defects elimination from the process
- Possess excellent people & client relationship management and interpersonal skills.
- Excels in resource & planning, Lean Tools implementation (**5S, Gemba Kaizen, Line Walks**), inventory control & troubleshooting in coordination with internal departments for timely delivery of finished products with required quality.

Core Competencies

- Sound Knowledge in GD & T And Drawing Reading & Understanding.
- Prepare Quality Inspection Plan, first article inspection report (FAI), Setup Approval Inspection Report, and Pre-dispatch Inspection Report for as per Product and Process requirement of Foundry Shop, Machining shop, and paint shop.
- MSA, SPC, PRODUCT AUDIT, PROCESS AUDIT, CAPABILITY STUDY, LAYOUT INSPECTION, SEVEN QUALITY
- Programming on Faro Arm For 3D Scanning (Polyworks) Machine -. inspection, Sheet metal Scanning, Comparison with 3D model, Comparison with part to part Scanning data.
- Programming on CMM Zeiss (Calypso Software) Machine
- Inspection on Roundness Testor, Surface Roughness Testor, O select by Ziess Pro-T inspection.
- Coordinator of internal audit, Certification audit
- Having good knowledge of preparation & shop floor adherence of Documentations such as CP, SOP, WI, OPL, Visual management, etc.
- Key Performance Indicator monitoring & action plan submission for improvement.
- Team member of SAP- ERP System implementation.
- Process Excellence, Internal Quality Audits & Inspection, Rejection Analysis, Monthly OEE gap Analysis / Trainings coast saving Projects, Rejection Reduction Projects, 5S Implementation Drive (Lean Tool) QMS Documentation / Risk Analysis & Mitigation /Training plan and Skill Evaluation.

Instruments & Equipment Handling:-

- Inspection Instrument & Equipment Handling: - CMM, Portable CMM & Laser Scanner, Leak Test Machine, Balancing Machine, from tracer, Surface Tester, Video & Optical profile Projector, Trimos, Port Height Measuring Instrument, Height Gauge, Hardness Tester, Vernier caliper, APG, Micrometer, Dial Bore Gauge, Density meter, Spectro-meter.

Key Skills :-

Quality Inspection plan
CMM Programming
Process & Product Audit

3D Scanning, Reverse Engg.
SPC, MSA, PPAP, APQP
Control plan, VDA

ECRN & PCRN
8D, Six Sigma
GD & T

Role Across the Tenure**Green Field Experience**

1. Lead to Installation and commissioning the New inspection and Testing Equipment like CMM, Runout machine, Universal Testing Machine, Leak test machine, Hardness testing machine. New testing Equipment internal Performance validation like Repeatability, Bias, Linearity, Gage R & R, And Master Calibration.

2. Prepared the layout of standard Room, Structure of CMM Room, As per Quality Inspection Plan Procure the New Instrument And Testing Equipment for inspection and testing. Prepare and freeze the Standard room related Master Document and formats.

3. Six Sigma yellow belt certification complete, All training completed

4. Amaze projects - 1) SLP inspection digitalization
 2) Implementation of attribute gauges for inspection
 3) Customer complaint reduction by improving line fixtures

5. Value Stream Mapping of Line and waste elimination project like elimination of TPG inspection 100% by implementing fixture

6. Reduction in scrap cost by 6% as compared to year 2021

7. Foundry member of Cummins Emission solution plant from 2018 in quality function, green field facility for BSVI launch

- Assist in Qualification of Parts, identification of processes for CTQ's, Process Control plans to ensure product quality; by authorizing, supplied parts meets specifications, and the control limits/tolerances for CTQ parameters are met.
- Conduct new part PPAP verification run at supplier to ensure process establishment, controls, tooling, and gauges. PPAP documents review as per AIAG guidelines & PSW sign off.
- Hand on experience in handling shop-floor in machine shop Quality at Turning machine, CNC machine, 3 axis and 5 axis machines.
- Sound Knowledge in GD & T and their Inspection on CMM. CMM report Verification and suggest the correction as per Report. Inspection of linear dimension, and Surface texture verification (Ra, Rz, Rt.).
- Special Test verification and prepare the inspection program for Balancing test machine (Identify the Unbalance of mass for alloy wheel), Runout inspection and Low point Marking machine (PLC based), Leak Test machine.
- Prepare the inspection Plan & report for Casting for mechanical (tensile Strength, Ultimate Strength, Elongation, Hardness testing) Testing Report, Chemical composition, density inspection, Grain size verification (s-das Value) & Dimensional Verification
- Participate in cross-functional teams in the development of new products or changes related to current products in meeting requirements
- Depth in process troubleshooting knowledge of Casting (LPDC, Investment Casting), Mold preparation, NDT & HT, Machining, Assembly (Abs, Esp., Dc Unit).
- Scrap Reduction project to achieved budget target of indirect material cost.
- Scrap analysis perform Quality related project reporting to the Management review on a monthly basis to ensure that expenditures are kept within the Monthly plan budget.
- Responsible for Internal audits, LPA audits, Regulatory certification audits, Customer audits & its closure submission.
- Trainings to Subordinates for 5S implementation with practical Visual 5S approach.
- Maintaining and handling of departmental audits like certification, surveillance audit and internal audit with respect to IATF 16949:2016.
- OEE Monitoring & improvement through analysis.
- Hands on experience in LPDC, Sand Casting & investment Casting Process. Sound knowledge in casting defect identification and its prevention at occurrence stage.
- Knowledge of NDT testing of Dye penetration testing, ultrasonic Test, & Radiographic testing.
- Support and lead process improvement activities at the supplier.
- Incoming inspection for level-1 & level-2 Supplier, Report Recordation & Communication with Supplier.
- Monthly Supplier performance monitoring & Rating, Complaint review and action closing.

Working Experience :- inspection of different sheet metal components, Inprocess Quality inspection, Inprocess Quality Line problem solving, CFT involvement, using Quality tools for problem solving, Line auditing, Internal Audits, maintaining Quality KPI, PPM reduction, RFT Improvement, Defect elimination, FMEA CONTROL PLAN Review, NC closure, PPAP readiness for Tata Motors and Ashok leyland , VPI NPD products inspection plan,
Line handling, Non conformance Material Handling and it's on time disposition Action,
 LPA Audit as per plan ,
 Set up the quality processes like - first piece inspection, Pokayoke inspection, Welding parameters inspection , Leak mster preparation, Leak master validation, Fixture validation fixture inspection
 Inventory Management with 100% Accuracy from 2019,
 Welding inspection, sample submission for verification and microstructure inspection,
 Dye penetrat inspection,

Employment Details

1. Currently Working with Cummins India Pvt Ltd Phaltan **City since July**

2022 To Onwards.

DESIGNATION:- Junior Shop Manager-2

2. Cummins India Pvt Ltd, phaltan,

Duration:- July 2020 To July-2022

DESIGNATION :- Junior Shop Manager -1

3. Cummins India Pvt Ltd

Duration:- July-2018 To July-2020

DESIGNATION :- Diploma Engineer Trainee

4. PIAGGIO VEHICLES PVT LTD , Baramati

Duration:- May - 2018 To July -2018

Designation:- Project Trainee