

Kirti Kumar Jangid

Asst. Manager (New Product Development Quality, Supplier Quality & Vendor Part Development),
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Professional Summary

A competent professional having over 8 years' experience as a New Product Development, Supplier Quality and vendor part development in Automotive Sector and Home Appliances career highlights include:-

- Developing First M&M Signature lamp M110 HL, Top DRL & Bottom DRL (Animation Lamp)
- Developed New product Oreva (AJANTA Group) for Speevo industries LLP.
- Represent Quality Department of Speevo industries & Got chance to visit Khind Malaysia.
- Leading the establishment of in-house Pressure Die Casting plant in line with industrial standard and quality management system of **BOSCH** and **HYUNDAI**.
- Successfully implemented vendor quality management system and achieved overall incoming PPM 10,000 TO BELOW 100.
- Successfully lead the **MACE audit** (Maruti centre for Excellence) audit 4 Major T-2 supplier and got **MACE** certified by **Maruti Suzuki**.
- Developed many suppliers for **SYNDICATE WIPER SYSTEMS PVT LTD**. (Previous Company) achieve **DIRECT ON-LINE** supply.
- Good knowledge of vendor management system and quality standards.
- Good process exposure of **Pressure Die casting, Sheet Metal Forming, Plastic Injection Moulding, Rubber Compression Moulding, Bending, Powder Coating, ED coating and surface treatments, Motor winding**.
- Excellent analytical skills and statistical approach for solving quality problems.
- Working knowledge of IATF 16949:2016, TS 16949: 2016, IS 374 and ISO 9001: 2008.
- Good leadership quality and effective communicator.

Core Skills

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|----------|----------------|-----------------------|-----------------------------|
| • APQP | • QFD Process | • PDCA | • Change Management |
| • FMEA | • 8 D | • Risk Analysis | • Fleiss Kappa, Cohen Kappa |
| • PPAP | • Control Plan | • Facility Management | • Fault Tree Analysis |
| • DOE | • 7 QC Tools | • Activity Planning | • Project Management |
| • GD & T | • MSA | • SPC | |

Work Experience

Asst. Manager NPD QE

Lumax Industries Ltd. (R&D Centre Chakan)

Oct 2023 to Onward

As a project pilot New Projects Handled are:-

- M110 HL, Top DRL & Bottom DRL
- M111
- UPP HL & UPP SRL

Roles and Responsibilities involved

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|--|---|
| • Product Design: Reviewing of Product design standard & its adherence. | • Ensuring the product manufactured as per approved procedures. |
| • Process Design: Reviewing of process design & its adherence. | • Ensuring Qualification of Process and equipment's. |
| • Product build at various stages: Internal Built/Trial issues tracking & timely closures. | • Preparation of MIS on quality activities in plant. |
| • Product Quality First time right during PPAP. | • Firewall inspection standard & Product quality Standard for inspection. |
| • PPAP: On time PPAP submission & PSW approval with no major NC's | • Preparation of limit sample and master sample for assembly. |
| • Responsible for quality agreement and its compliances during new product development, (PIST%, Pp-Ppk, Cp-Cpk, MSA result through Ratio, OK ratio). | • Preparing List of SC & CC (significant characteristics & Critical characteristics) |
| • Collecting new project information reviewing customer specific requirement and providing feedback. | • Preparation start-up check sheet set up check & In-Process inspection check sheet. |
| • Specifies inspection and test equipment which will be used for quality evolution at all stages. | • New tool trial approval. |
| • Preparing and releasing Control Plan, Inspection Standard for child part in process and Final Product. | • Preparing Micro level tool development plan for tools jigs and fixture and monitoring progress. |
| • Responsible for ECRN & PCRN implementation with ensuring the respective document updating & its control available. | • Fixtures and Gauge validation at supplier site/Inhouse. |
| | • Supplier PPAP Audit for child parts. |

Project & Sr. Quality Engineer

Syndicate Wiper System Pvt Ltd

Roles and Responsibilities involved: -

- Coordinate internal resources and third parties/vendors for the flawless execution of project.
- Developed a detailed project plan to monitor and track progress.
- Ensure resource availability and allocation.
- Attend conferences and training as required to maintain proficiency.
- Plant LAYOUT design and excitation of the same assembly line, powder coating, storage etc.
- New vendor development for machinery and instruments.
- Preparing Documentation QMS for new plant.
- Conduct a trial of new plant, preparing capacity plan of the same and checked the process feasibility.
- Preparation for TATA MSA audit for vendor code creation.
- Conducting training for new hiring of staff and workers.
- Plant setup with improvements with existing plant.

Senior Engineer (Quality and New Product Development Engineer)

Speeo Industries LLP.

As a project pilot New Projects Handled are:-

- CKD (Through Khind Malaysia)
- Orevia Pride (Through orevia, Ajanta group)
- Orevia Pride Dx (Through orevia, Ajanta group)

Dec 2021 to July 2022

Roles and Responsibilities involved: -

- Preparing and maintaining ISO related documentation.
- Preparing and review preliminary process flow chart, Control plan.
- Preparing and review Process PPM & INCOMING PPM.
- Benchmarking studies.
- Preparing and review test procedure according IS 374, & as per Customer requirement.
- Final product testing as per IS 374
- Handling customer complaint.
- Conducting design feasibility study, design for manufacturing and assembly with production and quality team and sign off.

- Handling supplier product development.
- Development new jigs & fixture as per requirement.
- Preparing and providing phase wise documents to customer for new product.
- Benchmarking studies. Conducting design review & drawing review for new product.
- KPI
- Conducting calibration as per calibration plan.
- Providing help for preparing BOM.

➤ Got chance to visit Khind Malaysia for 8 days as a representative of quality Department.

Senior Engineer (Supplier Quality and Vendor Part Development)

Syndicate Wiper Systems Pvt Ltd.

March 2017 to Dec 2021

As a Project Pilot New Projects handled are: -

- X451:- Tata Motors
 - S201:- Mahindra and Mahindra
 - W501:- Mahindra and Mahindra
 - PB1D:- Nissan
 - RBC:- Renault
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- Conducting project child part feasibility study with design, production, quality and sales team
 - Deployment of quality targets, reliability targets into product design and process with design team
 - Preparing Design Validation plan and development of new equipment / Outsourced testing as per testing requirements.
 - Providing help for Preparing preliminary bill of material and identification of new child parts
 - Conducting spec review meetings with supplier and agreement on CTQs, Important characteristics list sign off with customer.
 - Conducting design reviews, drawing reviews
 - Preparing and review preliminary process flow chart for Child parts.
 - Sub supplier development for new child parts.

- HCI:- Hyundai (through D Y Auto India)
 - AH:- Hyundai (through D Y Auto India)
 - QXi:- Hyundai (through D Y Auto India)
 - Ai3:- Hyundai (through D Y Auto India)
 - BA:- Hyundai (through BOSCH)
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- Conducting design feasibility study, design for manufacturing and assembly with production and quality team and sign off.
 - Integrating dimensional requirements into process control and design
 - Preparing Micro level tool development plan for tools jigs and fixture and monitoring progress
 - Project progress tracking and action plan review
 - Preparing floor plan layout
 - Preparing and review Proto Control plan, production control plan inspection standards
 - Preparing and collecting PFMEA and DFMEA and conducting its review with internal team.
 - Benchmarking studies.

- Preparing and review work standard and inspection standards
- Scheduling part build for sample submission for each customer identified milestone
- New tool trials and approval
- Conducting part layout inspection, process capability study with quality team before each sample submission
- Keeping record of THINGS GONE WRONG and THINGS GONE RIGHT for each project
- Horizontal deployment of countermeasure actions from PAST TROUBLE DATA BASE as per applicability to the new product
- Sub Supplier APQP approval.
- Reverse engineering and process comparison.
- Review production capacity plan and new facility requirements for new product with PPC department.
- Collecting Phase wise document from Supplier.
- Planning ramp up activities and monitoring.
- Review packing standards and packing validation
- Review Child part PPAP document.
- Handling Supplier PPAP audit and PSW approval
- Preparing tooling records
- Conducting fitment trial runs and full volume production trial with quality and production department, run rate audit.
- On site customer support for new part development
- Process parameters validation and finalization
- Updating QMS documents after closure of phase 4 for each new product
- Countermeasure actions for issues faced during development and horizontal deployment.
- With help of supplier quality team review process capability studies, measurement system analysis, machine capability study as per plan

Project Leader (In house casting plant establishment)

Syndicate Wiper Systems Pvt Ltd.

Nov 2017 to Dec 2021

Roles and Responsibilities involved: -

- Reviewing mould flow simulation and establishing process parameters including die opening time, injection time, ejector forward time, ejector return time, system press degassing frequency, ejection pressure, hold time, cool mould temperature monitoring, slug removal process, removal frequency, melting furnace, holding furnace temperature, molten metal temperature etc. in accordance with product manual.
- Kaizen activities for process and product improvements including
 - PVD coating for moving cores and top surface (ongoing) to reduce soldering and die coat build up
 - Spot cooling installation for die components being relatively in higher temperature (ongoing)
 - Introduction of melting furnace and molten metal cleaning agent FOSECO Coverall 11 and Coverall 88. (Ongoing)
 - Introducing Sludge factor calculation in acceptance criteria for ADC 12 ingots in order to control Fe.
 - Fibre mesh filtration for reducing inclusion. (Ongoing)
 - 5S implementation in shop floor
 - Adding strontium to ADC 12 in order to refine grain structure and metal flow during casting process.
 - Standardized stacking in bins
 - Re melting log book along with re melt heat code traceability.
 - Introducing 20 X magnification glass for checking surface defects such as heat cracks, dents, inclusions etc.
 - PPM Monitoring and PPM reduction plan
- Preparing work standards for gate removals, filing fettling, buffing part handling, shot blasting, re-melting gate to virgin ratio, bin packing, machine set up and safe working.
- Micro level timing plan for facility management i.e., Die rack, fixture rack, overhead crane, flooring and layout, lathe machine installation, ingot storage, cooling tower, surface table, fire safety equipment etc.
- Preparing process flow diagram, control plan, PFMEA, acceptance criteria, FIFO system and traceability from RM stage to final product with reference to ingot heat code.
- Preparing procedure for tool life monitoring, die inspection check sheet, die and machine maintenance using product manual. Die spare part checklist, shot monitoring.
- Preparing die and instrument checklist, spare part checklist, instrument calibration record and frequency, procedure for 4M, ECN Change management, preventive maintenance schedule, MTTR and MTBF.
- Planning and procedure for maintaining quality at vulnerable time i.e., Night shifts, abnormal situation, power cut offs etc.
- Breakdown risk assessment and reaction plan

Roles and Responsibilities involved: -

- Raising and monitoring countermeasure actions, 8 D reports for child parts.
- Maintaining supplier complain log book
- Monitoring quality KPI's i.e., Receiving vs. rejection, In-house PPM, Supplier PPM and submission to HOD Quality
- Handling customer quality audits
- Planning and conducting process capabilities studies, Gauge R&R, instrument calibration and record.
- Planning and conducting layout inspection, function tests as per frequency planner
- Raw material outside lab chemical testing as per frequency planner
- Onsite solving supplier quality issues
- Incoming inspection as per ACIM and acceptance sampling
- PFMEA, Control Plan, Past trouble database, Drawing control and Update
- Handling 4M changes ECN changes
- Kaizen improvements, Poka Yoke installation and monitoring
- Preparing PPAP documents
- Sub supplier quality audits
- Managing Vendor rating and vendor appraisal

Certification Courses

- Autodesk AutoCAD 2013 from CADD centre
- Nx CAD 6.3

Academic Qualification

B.E. (MECHANICAL ENGINEERING) (2011-2015)
Government Engineering College Jhalawar (RTU) | (70.05%)
10+2 (2010)
R.B.S.E (Physics, Chemistry, Maths) | Apex Bharti Sr. Sec. School Jodhpur | (74.4%)

Extra-Curricular

- Participated and won in District level football competition.
- Scouting

Personal Vitae

- Date of birth: - 05-07-1993
- Father's name: - Ghisu lal
- Mother's name: - Pista
- Marital status: - married
- Languages known: - Hindi, English, Marwari
- Hobbies: - Reading Short stories, Novels, watching cricket and football.

Current CTC: - 7 LPA Expected CTC: - Negotiable

Declaration

I hereby declare that the above information given is true according to best of my knowledge

Date: -

Place:-

(Signature)