

Kunal Mukundrao Magar

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Senior Engineer (Quality Assurance)

SYNOPSIS

- ▽ Professional QA Engineer with 3 years and 4 month of experience in ensuring every step of production processes is followed perfectly and delivering accurate and thorough testing and analysis of manufacturing processes.
- ▽ At present demonstrating expertise in Endurance Technologies Ltd., Aurangabad as a Senior Engineer (Quality)
- ▽ Strong interpersonal, organizational, analytical, decision-making, and problem-solving skills.

KEY AREAS OF EXPOSURE

| | | |
|------------------------|-----------------------|-----------------------|
| Production Development | Supply Management | Method Analysis |
| Product Management | Process Engineering | Vendor Management |
| QA/QC | Operations Management | Client Management |
| Material Handling | Process Improvement | Reports and Documents |
| Purchase Management | Strategic Alliance | Manpower Handling |

WORK EXPERIENCE

Endurance Technologies Ltd., Aurangabad, Sr. Engineer (Quality Assurance/ Development) || since Aug'16

A TS 16949, IATF 16949: 2016, OSHAS, EMS certified, company involving in manufacturing of Suspension, Transmission, Breaks & Die casting auto part. Catering to the requirements of customers including - Bajaj, Hero, Honda, Royal Enfield, Yamaha motor India, Kawasaki motor, Mahindra & also export to Yamaha Motors Europe, TVS. The plant has JIPM TPM, ACMA & IMEA Award.

Department: *Quality Assurance (In process Quality Assurance Machine Shop and Powder coating shop)*

Gauges familiarity: *Vernier Caliper, Micrometers (OD Micrometer, ID Micrometer, Blade Micrometer) Height Gauge, Digital Height Master, Hardness Testers (Vicker hardness tester, Brinell hardness tester, micro hardness tester), Profile projector, Dial gauge, Bore gauge, Radius gauge, Thread plug gauge, Ring gauge, Depth Gauge, Bevel protector, Conductivity Meter, Plating thickness tester, DFT meter, Roughness tester, Roundness tester, Universal testing machine, contracer, CASS test, CMM.*

Key Deliverables:

- ▽ Ensure compliance to set quality standards **(IPO/control plan/OPS etc.)** & **work instruction** to reduce rework
- ▽ Conduct Critical to Quality (CTQ) parameter inspection, prepare necessary reports and **share the rejection data in the form of run chart/SPC reports** with concern stakeholders
- ▽ **Conduct process audit** to assess function, fitment, aesthetic and form & check adherence to defined process parameter & customer specific requirement
- ▽ **Conduct daily poka-yoke audit** & ensure sustenance of implemented poka-yoke
- ▽ **Asses and analyse quality parameters** during sample production, batch production, and mass production of new product
- ▽ Take timely action (in collaboration with production team) to **closed NCR's in case of non adherence** to the process parameter or rejection & share the information with the production supervisor
- ▽ **Conduct sampling inspection** to avoid defect flow to subsequent process & customer
- ▽ **Ensure PPAP activities** of existing products, new products bought out items & products for each process change
- ▽ Ensure customer requirements are fully met & implement **corrective/preventive actions** to minimize customer complaints & rejection.

- ▽ **Conduct shift wise rejection monitoring, analysis and take corrective actions** to minimize the same: ensure documents (control plan, process check sheet & SOPs) are update accordingly.
- ▽ **Timely disposal of rejected parts** to avoid mix-up with OK parts
- ▽ Escalate to immediate supervisor for stopping production or shipment to correct quality problems and for containing affected batch before it reaches customer
- ▽ Guide operators in following Poka-Yoke & inform the shift supervisor in case of repeated abnormalities observed.
- ▽ **Participate in internal & external (customer , third party) audit as per plan**
- ▽ **Ensure proper documentation and record** keeping in line with customer / third party audit requirements
- ▽ **Timely closer of improvement actions / NC's** identified during audits
- ▽ Provide data related to quality ; defects ,rejects etc to superior for **calculation of cost of poor quality(COPQ)**
- ▽ **Participate in root cause analysis** (along with production team & other stakeholders)& identified process parameter.
- ▽ **Brainstorm &prioritize improvement action** in consultation with section head/quality head/production head/shift supervisor, workers, and operators.
- ▽ **Horizontally deploy the improvements** in the other section of the plant & share best practice with other plants & clusters
- ▽ **Conduct quality awareness training** for production supervisors, operators, contract labors as per the training plan
- ▽ Update team knowledge & understanding of customer / product related quality specification ; conduct session on the SOP that need to be followed by operators

Notable Contributions:

- ▽ Led a dramatic turnaround in **reducing the rejection of Movement tight in front fork(Suspension) 62.5 % to 9.90 % by six sigma methodology** , after analyzing and restoring all machine parameters of BTA SPM machine.
- ▽ DWM Gallery Development
- ▽ Pokayoke implementation to eliminate the Human Errors

EDUCATION

- ▽ B.E. from R.C. Patel Institute of Technology, Shirpur, Maharashtra with 6.99 cgpa, **2016**
- ▽ 12th from P. R. High School, Society, Dharangaon, Maharashtra, Nasik Board with 65% marks, **2012**
- ▽ 10th from Balakavi Thombare High School, Dharangaon, Maharashtra, Nasik Board with 83% marks, **2010**

BEYOND ACADEMICS

- ▽ Played a part in Seed IT Idol Competition in RCPIT Shirpur, **2015**
- ▽ Actively involved in social activity-Tree Plantation, save environment cycle rally
- ▽ Contributed as a volunteer for blood donation campaign

ACADEMIC PROJECT

Automatic Floor Dust Cleaning Machine || 12 Months || 4 members

Project Description: *An automatically operated effective dust cleaning machine having power saving ability*

WORKSHOP/ SEMINAR

- ▽ Breaking Systems Module from IIT- MADRAS through quality enhancement in engineering education, **2016**
- ▽ Entrepreneurship Awareness Camp, RCPIT, Shirpur, **2014**
- ▽ LATEX 2K14 Workshop SSBT College, Bambhori, **2014**

TRAINING UNDERGONE

- ▽ Improving Cost & Quality through Manufacturing Excellence by Indian institute of material management ,2020
- ▽ Supervisory development programme,2019
- ▽ **FMEA** Training by S cube, 2019
- ▽ Measurement system analysis (**MSA**)by S cube technology, 2019
- ▽ Statistical process control(**SPC**) by S cube technology, 2019
- ▽ **IPO** (Input process output)by Bajaj Auto Ltd Aurangabad, 2018

KNOWLEDGE PURVIEW

- | | |
|-------------------------------------|---------------------------------------|
| ▽ 7QC,5W2H,CAPA | ▽ Crack detection method (DP test) |
| ▽ Conventional instrument | ▽ Value engineering benchmarking |
| ▽ Material testing | ▽ Product design process |
| ▽ GD&T as per ASME Y14.5 | ▽ Powder coating pre-treatment |
| ▽ Statistical process control | ▽ SAP System for in house QA Activity |
| ▽ Advanced product quality planning | ▽ Six sigma methodology |
| ▽ Measurement system analysis | ▽ IATF16949:2016,ISO9001:2015 |

IT FORTE

- ▽ **Well-versed with** AutoCAD, MS-office, SAP, Power point presentation

PERSONAL SNIPPET

Date of Birth: 27th Sep'94
Languages Known: English, Hindi and Marathi
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