

Rakesh S

Senior Associate Quality Engineer
Lithium Ion Battery Pack Assembly
Quality | BLDC Motor Quality |
Process development & Validation |
Problem solver | NDT testing |

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DOB: 23/01/1995
Marital status: Single
Nationality : Indian

WORK EXPERIENCE

Senior Quality Engineer – Battery & Motor

OLA Electric Technologies Pvt Ltd

03/2022 - Present, Krishnagiri

Achievements/Tasks

- Process & Product audit report circulated to CFT, initiated to drawing changes through ECN based on line trials and improvements.
- ECN initiated for further improvement of products and reduced the rejection rate from 10% to 3%
- Preparation of 8D for internal & external customer complaints and action taken until issue resolved.
- Created quality gate in line to prevent the issue and systematic corrective action taken for the top failure.
- DVP product validation done for battery & motor as per AS156 requirements.
- Initial N1, N5, N30 trials are conducted in line various issues are identified & all the issues are resolved through drawing changes and process improvement.
- Implemented various Poka Yoke in critical stage of line.
- Preparation SOP for quality inspections of critical stage product output.
- Played major role in improving wire bonding & auto bus bar line SPR from 65% to 94% through various root cause action taken in process in battery. Improved first time quality of products in PDI from 70 % to 98% from the line startup to line stable of motor line.
- SPC plotting in critical to quality station. Machine performance SPC for initial performance validation.
- New line established and internal PPAP completed
- Part of new product development in Gen 2 Battery & PMSM -Motor.
- Part of CFT in new product development of M3 battery pack

Graduate trainee

Renault Nissan Automotive PVT LTD

03/2017 - 03/2018, Chennai

Achievements/Tasks

- FANUC Robot operation and material output quality inspection. Door assembly in Body shop with welding process (Back, Rear, Front, Bonnet).
- Quality Assurance of welding spots and quality control process while movement of products. Regular inspection of sealer process adherence for door vibration.
- Rework process held damaged parts in body while robotics made dents. Ensure the door/body co axial value given will be monitor.
- Help of TPM checklist defects totally prevented. Work process will be followed by SOS. Maintaining of JPH & Quality check sheet of written documents.

Under my supervision 5S's of quality standards maintained.

EDUCATION

B.Tech in Mechanical Engineering (7.4 CGPA), Kalasalingam University

05/2012 - 05/2016, Krishnakoil, INDIA

Higher Secondary School (68.5%)

Srivi lion's matriculation higher secondary school

05/2011 - 05/2012, Srivilliputhur, INDIA

SKILLS

Six Sigma Black White	Wire Bonding	Cell X ray	
PMSM Motor	SPC	Capability analysis	MSA studies
COQ analysis	Failure Analysis	5W 1H	PPAP
IP 67 Validation	PFMEA	Profile Projector	PFD
Pull& Shear test	AIS 156	Vibration test	Mini Tab

Junior Engineer

Industrial Engineering Solution Group

09/2018 - 11/2019, Chennai

Achievements/Tasks

- Carried out ultrasonic testing of Lamination Checking and all type of Weld joints and, such as Column, and Structural welds inspection in Plant and Fabrication shop, magnetic particle Inspection on Welds and Machined components, by Using yoke & prod method.
- Performed Ultrasonic Testing on piping in detection of corrosion, Erosion and Pitting, MT and DPI on the required joints of pipelines & Chemical storage tanks, Magnetic Particle Testing on Heavy Pressure vessels. Preparation of all NDT related Reports and Documents.
- Attending clarification meetings with Client when required.
- Taking responsibility for all associated handover documentation in the event of an order.
- Participating in and actively support company initiatives.
- Familiar with the risks and hazards within the activities and processes of the role and procedures, practices and measures in place to mitigate the risks.

Service Engineer

Mobi Clean Services

11/2019 - 10/2021, Chennai

Achievements/Tasks

- Maintaining and monitoring plans, Schedules, work hours, budgets, and expenditures.
- Create a project management calendar to plan the scheduled/booked services.
- Planning the day-to-day operations of the service stations.
- Maintaining Documents, and filing GST, paying bills
- Manage Inventory and handling Procurement.
- Providing administrative support as needed.
- Engaging suppliers, customers and consumers.
- Sending monthly MIS report for management.
- Collecting customer reviews for service operations.

LANGUAGES

- English / Tamil- *Full Professional Proficiency*
- Telugu - *Native or Bilingual Proficiency*

INTERESTS

- Movies /Learning new things/ Travel & Chatting with friend