

# RAVINDER SINGH

Experience in **Production Mfg. / NPD / QMS / Shift Planning & Operations**; track record in conceptualizing & implementing effective ideas & strategies which adds value to organization through inspiring leadership, rich experience & innovation; targeting to express potential in **Automotive/ Mechanical Engineering**



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## Core Competencies



## Education

- MBA- Supply Chain Management from University of Petroleum & Energy Studies, Dehradun (2021-22)
- B.E.- Mechanical Engineering from Institution of Engineers India, Delhi(2012)
- Automotive Engineering Diploma from Board of Technical Edu., Delhi (2004)

## Profile Summary

- Offering over rich & extensive experience of Mechanical & Automotive Engineering in various functions & dept.- Manufacturing, R&D, Sales & Mktg., Service, Dealership Development for various applications- Commercial Vehicles, Construction Equipment, Passenger Vehicle, Agri. Machines & Gen-sets.
- Expertise in **production operations / shift management / shop floor operations / QC / QI / QMS / TQM** to facilitate smooth functioning of overall production operations & enhance operational efficiency
- Track record of conducting and reviewing the failure mode effect and analysis for each operation and preparing the action plan & implementing it on the shop-floor
- Skilled in overcoming complex business challenges and making high stake decisions across the organization
- Led the process of achieving TQM/DM, ISO/TS16949 certification from outside agency by maintaining standards, required documents & proper training of the people
- Competency in managing **production manufacturing** with focus on profitability by ensuring optimal utilization of resources; administering entire process starting right from conceptualizing to execution
- Expertise in reversing engineering finalization of product & assembly drawing with technical specification
- Played a key role in implementing TQBM/DM system related activities like Kaizen, Mistake proofing process Poka-yoke, JDI & Deming approach (PDCA), carrying out safety & 5S audits
- Expert at managing process inspection of product during production & preparation of in process inspection check sheet, PDI reports; monitoring In-process & outward component's quality

## Timeline



## Notable Accomplishments across the Career

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- Part of:
  - Successful launch of AVTR BSVI Modular Trucks/ M&HCV (19-55T), as a team member
  - TQBM/DM activities/practices & getting Deming prize/award for quality systems followed in PNR plant.
- Attained maximum production of 6,000 engines/vehicles in a month & 50,000 engines/vehicles in a year
- Pivotal in completing:
  - Machine commissioning, installation, trials & production ramp-up in newly build-up plant / green field project (M&HCV).
  - Development & testing of proto & pilot lot of 4 cy. NA/TCI 50-75hp diesel engines/ Tractors.
- Significant in collecting/capturing customer voice/feedback on performance of pilot lot 50 hp category Tractors from fields in Haryana, U.P., Punjab region

### **Recognised with various awards like:**

- JDI Star Recognition –Sales M&HCV- ASHOK LEYLAND Limited - Year -2020 / Category –TQBM (DM)
- Highest Monthly Production Award – Manufacturing Engine Shop (AL) - Year -2016, Month –Mar, Category – Manufacturing /Production
- Highest Yearly Production Award – Manufacturing Engine Shop (AL) Year –2015-16 / Category –Production
- Deming Prize/Award – Manufacturing Engine Shop (AL) - Year –2016 / Category –TQM (DM)

## Work Experience

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**Jan'10 – Jan'21: Ashok Leyland Ltd., location- Pant Nagar (UTK), Delhi/NCR as Assistant Manager**

**Oct'18-Jan'21: (M&HCV) - Sales & Marketing**

### **Role:**

- Ensured market action plan activities on ICV/M&HCV (10-55T, BSIV/VI), to improve sales/ market share for M&HCV/ trucks
- Interacted & visited customers, financiers, body makers & DSAs, to improve market coverage for M&HCV/ trucks
- Worked towards dealership development & support (with sales/service team)
- Informed customer vehicle's service-related issues to Service team/dealership, to provide a prompt solution in Delhi/NCR

### **Previous Experience – Ashok Leyland**

#### **Projects Executed: Plant Commissioning, Installation, Trials & Testing (M&HCV) [2010-12]**

**Brief:** Category/Details–Project Stage, Plant commissioning (1yr.), Machines Installation & Trials (1yr), Production ramp-up (1yr.) for Green Field Project & Production Testing (Engines), Location-Pant Nagar (Uttarakhand)

#### **Project: Engine Manufacturing, Assembly & Testing (M&HCV) [2013-18]**

**Brief:** Performance Test, Oil consumption & new component trials, final inspection, on 4/6cyl TCI Diesel Engines (90-169kW, Trucks/Buses/M&HCV, BSIII/IV/VI), Location- Pant Nagar

### **Role:**

- Applying & generating best known methods for creation of part modelling, assembly and drafting
- Addressing quality issues raised in final product and at customer end as well as taking corrective and preventive actions at manufacturing facility
- Tracking project status and informing the same to the customer after the completion of every phase
- Evaluating component drawings and developing products at supplier's end
- Coordinating with customer & vendor for obtaining required information & development status; developing feasibility reports for clients depending on their specific needs and requirements
- Generating BOQs for the project and ensuring smooth operations & monitoring of project
- Conducting advance planning for resources, manpower deployment and rendering technical support; ensuring the execution of projects within time, quality, cost & budgetary parameters
- Increasing the production by installing new machines and improving operational efficiencies of the existing machines
- Taking initiative in introducing new products as per the organisation's requirement and facilitating the production enhancement process
- Preparing WIS, SOP, Dos & Don'ts, MIS report, Audit report & Docs. Carrying out Gemba initiative audits for 5'S, EEI, Safety, Critical M/C, Go green, etc.
- Achieving 100% online coding for all the production lines; facilitating continuous improvements through best-in-class practices for executing cost/ energy savings & modifications to achieve substantial reduction in expenditures and work within

- the budget
- Verifying various processes and recommending modifications & optimisation to deliver enhanced efficiency
- Ensure efficiency in process operations; recruiting personnel and organizing regular periodic meetings & trainings for staff for discussing issues and devising solutions for the same

## Previous Experience

Dec'06 – Dec'09: Escorts Ltd., location- Faridabad (Haryana) as Engineer - Engine Development & Testing (R&D)

Nov'05 – Dec'06: Swaraj Mazda Isuzu Ltd., location- Chandigarh/Ropar (Punjab) as Jr. Engineer- Vehicle Development & Testing (R&D)

## Certifications / Trainings

- Exploring Emerging Technologies - Coursera (State university of New York)
  - Year-Sep'20, Grade/Marks-100%, Category-Professional/ Personal Development, Skills Gained-Communication & collaboration/ Creativity/ Critical Thinking/ Emerging Technologies
- Job Success – Coursera (State university of New York)
  - Year-Aug'20, Marks-92%, Category-Professional/ Personal Development, Skills Gained- Communication & collaboration/ Creativity/ Critical Thinking/ Emerging Technologies
- Sales Strategy – Coursera (FIA Business School)
  - Year-Apr'20, Marks-94%, Duration-16hr., Category-Business Strategy, Skills Gained- Communication & collaboration/Creativity/Critical Thinking/ Emerging Technologies
- Diploma Engineering Training –Escorts Ltd. (R&D)
  - Year-2004-05, Department – Engine development & Testing (R&D)
- Industrial Training – Prime Honda (Capital Cars P Ltd)
  - Year-2004, Duration –2 mt., Sales & Service (Company owned Dealership - Honda cars)
  - COMPUTER APPLICATIONS & BASICS – Industrial Training Institute (DELHI) Year-Nov'02-Feb'03, Duration-3.5mth., Skills Gained- Computer Basics, MS Office, ERP
- Six Sigma Green Belt Certification (DMAIC approach) - To improve Business Process, Performance & Quality Assurance.

## Technical Skills

- MS OFFICE, ERP, SAP, CRM, MRP, ORACLE, TQM/ DM, MIS, Ideas, UG-NX, Solid Works, AutoCAD
- Engine Manufacturing, Assembly & Testing, 5'S, Safety, EEL, Critical M/C, Kaizen, Poka-Yoke, Kanban, Gemba, Cost Saving projects/ initiatives, Inventory Management, Vehicle/ Engine Testing R&D, Engine Development R&D, Shop Floor Management, TPM, Trainings, QMS, QC, QI, Process Audits, Gemba initiative Audits, NPd, TQM,
- Sales & Marketing, Service, Dealership Development (M&HCV), Product Launch BS-VI, Market action Plan, MIS reports

### Other Equipment:

- V-BOX RACE LOGIC (UK), VEHICLE R&D TEST SETUP- GPS controlled vehicle Testing System, R&D; Duration- 2 yr.
- AVL (Austria), ENGINE R&D TEST SETUP- Engine Testing Setup, with EDACS data acquisition, R&D; Duration- 3 yr.
  - Category – Endurance, Optimization, Performance, Emission Test
- API Com (Italy), ENGINE PRODUCTION TEST SETUP- Engine Testing, with HORUS Software, Manufacturing; Duration- 8 yr.
  - Category- Performance, EOC, New Components Quality Test
- SOUND LEVEL METER, VEHICLE R&D- In-cabin/ passers-by Noise reduction trials & Testing; Duration- 1 yr.

## Personal Details

**Date of Birth:** 10<sup>th</sup> September 1984

**Languages Known:** English, Hindi

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