



Baviskar Santosh

Senior Manager_Ex.Mahindra, Ex.TVS -with 17Y+Exp, proficient in production, Electrical vehicle, Greenfield projects, Plant Layout, Battery pack facility planning, Motor Assembly Planning, and Project Planning, for 4 & 2-wheeler vehicles.

GET IN CONTACT

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PERSONAL DETAILS

- Total Experience 18 Years 0 Month
- Current Location Ahmedabad
- Date of Birth Dec 01, 1984
- Gender Male
- Marital Status Married

SKILLS

- Production Planning
- Line Balancing
- Quality Assurance
- Manufacturing Operations
- Commissioning
- Process Engineering
- Battery
- Motors
- Manufacturing Engineering
- Vehicle Assembly
- Lean Manufacturing
- Production Planning Control
- Manpower Management
- Manufacturing Operations

TECHNICAL SKILLS

- Team Center11
- Auto CAD 2006
- CATIA V5
- MS Office
- MS Project
- SAP
- ERP User
- Delmia

LANGUAGES KNOWN

- Hindi
- English

PROFILE SUMMARY

Proficient in Truck /four wheeler/ LCV/HCV, and two-wheelers Mass production, Vehicle assembly line set up for Mass production, Assembly process set up, Set up quality standards for final inspection, Line balancing, Achieving daily production and Quality targets, analyzing processes, identifying improvement areas and implementing techniques for +reducing rejection level, rework & consumption of resources. offering 18 years of experience in Vehicle production & Manufacturing Engineering for Vehicle Assembly/Export CKD-SKD. Complete EV PMSM Motor Automation Assembly Lines installation & commissioning with complete facilities (11 types of machines to build entire motor assembly) EV Lithium Ions cells Battery pack Assembly Lines installation & commissioning with complete facilities (e.g. Aging machines, Cell sorting, BMS, EOL testing m/c, equipment Tools, poka-yoke, etc.)

EDUCATION HISTORY

Graduation

Course	B.Tech/B.E.(Production/Industrial)
College	IIIE Indian Institution of industrial Engineering
Year of Passing	2019
Grade	61%

Class X

Board	Gujarat
Medium	English
Year of Passing	2002
Grade	85-89.9%

WORK EXPERIENCE

Jun 2022 to Present

Senior Manager - Head Manufacturing Engineering at Matter Motor Works

Key Result Areas:

Complete Vehicle assembly & Gear Box, motor assembly lines installation & commissioning with complete facilities

- Marathi
- Gujarati
- Kannada

COURSES & CERTIFICATIONS

- ISO TS 16949 Certification By CII In 2015 (Valid Upto March 2018)
 - Yellow Belt In Quality Certified By CII In 2015
 - OSHAS 18001 And 14001 Certified By CII In 2008
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SOCIAL LINKS

- [linkedin.com/in/santosh-baviskar-v-633706b5](https://www.linkedin.com/in/santosh-baviskar-v-633706b5)

(Exm.Dynomometer, machines, equipment, Tools, poka-yoke, etc)

Complete EV Electric motor Assembly Lines installation & commissioning with complete facilities like Slot liner cutting, folding & Insertion machine, Coils making, Coil insertion to stator stack, Epoxy wedge fixing, Lacing, etc, and Stator/ Rotor stacking manufacturing process prove out.

(e.g. machines, equipment, Tools, poka-yoke, etc.)

EV lithium-ion cells Battery pack Assembly Lines installation & commissioning with complete facilities (e.g. Aging machines, Cell sorting, BMS, EOL testing m/cs, equipment, Tools, poka-yoke, etc.)

Performing Drop tests, Altitude Tests, Short circuit tests, Temperature cycling tests, Crush tests, Impact test and IP test on batteries in every new product. Overall Facilities and Equipment planning and procurement for all assembly shops (EV Battery Assembly, EV Motor Assembly, Gear Box assembly & Vehicle assembly)

Complete Plant layout designing & approval.

Capax budget Planning & Approval.

Overall plant schedule monitoring & execution.

Installation of Conveyor, Handling lifter devices, procurement of tools and torque wrenches.

Layout Preparation based on the process design flow.

Assembly design verification at the design stage via CAD tool & proposing changes in design for assembly feasibility.

Machine Technical Specification Requirement fixing based on process and Volume and RFQ preparation, DAP, PDI, Installation, and commissioning.

Raising Design change requests to R&D during the DMU stage and trial stage and managing all issues to be closed before SOP.

Responsible for assembly trial production and design problem conclusion with R&D, QA, PE, and SC.

Jigs and fixtures concept design for assembly lines.

Handling Greenfield project for Electric Vehicle(2W) -PMSM Motor assembly.

Looking after EV Motor assembly in Proto build

Proficient in battery pack facility planning and process prove out.

Hands-on experience in small two-wheeler assembly plants set up in nearby countries from CKD to CBU Conversion.

Conducting cost reduction exercises & initiate technology upgradation

Equipment maintenance, Preventive maintenance, MTTR, Machine FMEA, Machine brake down reduction, Machine daily management, Machine health check-up.

Alignment of production plan along with PPC

Mar 2012 to Jun 2022

Deputy Manager Manufacturing engineering at Mahindra and Mahindra

Job Profile: Mahindra & Mahindra Automotive sector, Pune-Aug-2016 to Jun 2022 Truck, KUV/XUV, LCV/HCV/LTV/MPV vehicles facility and process planning, and execution.

Mahindra KUV Capacity proving and assembly line set up for 200 ~350 veh/day. Mahindra Navi star sub-assembly and mainline process planning, Line balancing XUV400 & KUV 200 Automated battery pack assembly line set up.

Planning and execution of Passenger vehicle production on

commercial line (KUV100 Assembly on Supro Line) Electric vehicle production planning at lower set up (E-Supro Vehicle facility planning for 5 VPD). Electric vehicle production planning on petrol vehicle line (E-KUV Vehicles) Manpower saving by MOST implementation and assembly Line re-balancing. Critical quality issue resolution by 7QC Tools technic. Assembly line facility & Process set up at Sri Lanka, Nigeria & Dubai for CKD and SKD assembly of Motorcycle and Scooter. Introduced new systems or streamlined processes/procedures that ensured Zero leakage & Zero seepage from Engine Deputy Manager _Manufacturing Engineering Domestic and Export Responsibility Area (Scooter and Motorcycle) vehicles facility, process planning and execution) Mar 2012 to Aug 2016 Key Result Areas: Process development at various lines balancing at various volumes, pertaining to manufacturing engineering, new projects, process engineering & assembly tooling for engine assembly as well as for vehicle assembly with a view to ensure timely accomplishment of production targets within time & cost parameters. Line balancing, Sub assembly creation, New product VP build and corrective action planning, Vehicle final inspection planning, Facility and FTG Planning for new models. Leading day-to-day operations of the vehicle assembly projects, capital ramp-up projects, Vehicle assembly setup, and expansion projects, reliability projects, cost-saving & quality improvement projects, and new projects. Designing processes for new product introduction & new projects from the conceptualization stage to commissioning with the help of APQP; providing the best tooling, transportation & storage facility to the vehicle assembly line Spearheading engineering activities pertaining to working out various requirements like planning, layouts, facilities, machines/equipment, documentation (PFD, PFMEA, CP, SOP/SOS, QC story, APQP & PPAP) for vehicle assembly manufacturing unit, Formulating the general arrangement drawings, assembly drawings, and parts drawings. Prepare process standards based on Vehicle torque values, Fit and finish, and testing standards and prepare SOP based on the R & D specification like CTQ and CTP in process standards and controlled the same. Proactive planning & implementation for quality improvement, processing of improvement documents EJO/KJO/ECN, New Set up vehicle assembly process overseas at distributor end and make assembly process. Coordinating with IB (International Business) to develop new packing & plan assembly facility according to the volume requirement. Responsible for change implementation in the product and DRN & ECN change implementation Rework reduction by using quality control tools like _7QC Tools, Kaizens, SIT Common dynamometer for 110cc Centuro and 300cc Mojo /Cost saving done of 28 Lacs Reduce vehicle rework by 7 QC tools from 12 % to 4 % at the initial stage of Centuro vehicle production. Capacity ramp up of Centuro Motorcycle & Gusto scooter from 600 Veh/Day to 900 veh/Day OOD & ZMD reduce by 8% to 1% and 9% to 3 % Respectively Sr.Engineer E3 _PED_Production engineering department Responsibility Area (Scooter and Motorcycle) Aug- 2005 to Mar-2012 Motorcycle line sub-assembly and mainline Process Bom preparation. Sub-assembly layout planning, RFQ preparation, Techno commercial offer preparation for management. Line balancing, JH implementation in vehicle assembly, New project build, and issue closure. Daily production plan achievement.

Aug 2005 to Mar 2013

Senior Engineer at TVS Motor company

Headed Scooter and Motorcycle line and achieved daily targets 1800 vehicles/Day for continue 3 months in absence of 2nd Shift in charge with targeted quality. Attained the recognition for Apache 150 cc Capacity ramp up from 0 to 10000 veh in Month in Sep??09, and Scooty streak in 2010. Productionize Apache 150-180cc, Scooty Pep+, Scooty Streak with Maximum shift capacity of 1000 Veh/shift. Played a pivotal role in leading ISO/TS 16949:2009 Surveillance Audit from last 3 years without any non-conformance. Ordering and commissioning of apache Model -FTG along with PED in installed as per ramp up plan. Coordinate during TPM first category award from the unit 2006-07, successfully implemented JISHU HOZEN in Vehicle unit as a core member of Vehicle assembly department. Headed EHS pillar in TPM 1st category evolutions. Worked as E&T (Education & training) pillar core member for vehicle Unit. Headed 3 teams as part of TEI (Total employee involvement) and done 37 QCC Project in Year, Awarded as Most active team in year 2010. Internal EHS auditor certified by CII , Reduced customer complaints by 4% with 12 SIT projects (out of 7 presented as a leader).

PROJECTS

KUV CNG Production Ramp on Commercial Line , 92 Days

CNG Process Finalization Build Issues Closure with respective Stake Holder -BIW ,Projects, Paint shop, Design CNG Filling facility installation and Facility proving.

Assembly Line Set up at Nigeria, 61 Days

1) Assembly Line Set up at Kano- bench type conveyor 2) Vehicle Quality system set up to achieve 0 defect in vehicle assembly 3) Facility set up for bench type assembly process. 4) PDI and Inspection check sheet finalization for Motorcycle -Centueo and Scooter Gusto. 5) Spare parts packing and Prize finalization for Mahindra Genuine spare parts. 6) Man power calculation and line balancing LH and RH Side for vehicle assembly.

Two wheeler Assembly plant set up in Sri Lanka., 31 Days

Set assembly and quality process of motorcycle and Scooter at Sri lanka Set Quality process for 25 Motorcycle and Scooter assembly/Day Set standards for Spare parts packing of Mahindra Genuine spare parts. Set PDI and dealer inspection check sheet. Finalize the Vehicle prize and along with dealers for Sri Lanka Market. Resolve damage and transit related issues of SKD Motorcycle and Scooter. Set Assembly standards and Line Balance for push type conveyor.

Assembly Plant Set Up In Dubai, 31 Days

Two wheeler assembly Plant Set Up at Dubai

Work shop traing of Heavy Duty vehicles., 120 Days

Engine Servicing, Transmition system servicing, Chassis and body construction, Vehicle cooling and lubrication system. Vehicle electrical system and trouble shooting.etc

