



SANTOSH TEKALE
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Profile Summary: -

An accomplished, Lean Six Sigma Blackbelt Certified Manufacturing Coach who profoundly impacts performance through the design and deployment of programs for the reform, enhancement and advancement of both individual organizational goals and objectives by leveraging Lean Six Sigma Techniques blended with Industry 4.0 Solutions. Expert at integrating lean techniques and business best practices to promote the highest degree of operational and manufacturing efficiency. Strong and decisive project leader with excellent analytical, organizational, team building and planning skills.

Mechanical Engineer and MBA Operations Management professional with 17+ multifaceted experience in Auto Components- Transmission Axle, Chassis, Exhaust system, Engine subframe, Twist beams, Seating System. Electrical & Automation Products- Medium & High Voltage Switchgears. Product based on customized design.

Academic Details: -

- MBA Operations Management from Pune University Passed with CGPA-8.1 in 2020
- BE Mechanical from Mumbai University Passed with 60.00% in 2004
- Diploma Mechanical from MSBTE Passed with 72.37% in 2001
- Diploma Production Technology Passed with 58.18% in 2000

Certifications & Training

- MOST Certified – Work Measurement (Predetermined Motion Time System) Motion Study
- Lean Manufacturing Certified
- Six Sigma Green Belt Professional Certified
- PMP Certified Professional
- TPM
- IATF 16949 Internal Auditor
- EHS- OHSAS Internal Auditor
- Ergonomics

Computer & IT Skills

- Auto Cad
- SAP/ORACLE/ERP
- MS Excel, MS Suit, MS Word, Power Point,
- Project Management – MS Projects, Liquid Planner and Primavera P6

Professional Experience

AAM INDIA MANUFACTURING CORPORATION PRIVATE LIMITED

American Axle & Manufacturing leading global Tier-One automotive supplier of Driveline, Drivetrains Metal Formed products, Powertrain, and Casting components. Customize designed and own designed product ranges for light medium, heavy duty commercial vehicles.

Position- Deputy Manager Manufacturing & Industrial Engineering for two plants located at Pune and Ahmednagar responsible for ME, IE & NPD at both plants and reporting to their respective Plant Managers. Globally reporting to ME and IE director based at Detroit US.

Since- Sept 2021

Roles and responsibilities

- Lead and coordinate with cross functional team for industrialization of new product and processes.
- Study product drawing and do feasibility study, Selection of Equipment, Jigs fixture, Process flow diagram, layout, CP, PFMEA, calculate the labor required and submit the cost impact of new design
- Ensure flow less launching of new product and processes.
- Coach team to achieve Internal run at rate of production and Mass production trial runs
- Design, manufacture & implement material handling, line side material feeding, flow racks trolleys. Kitting tray and conveyors. Kanban calculations and assembly line material replenish routs, Pull Production, Level Production. Optimized through put by VSM drive.
- Continuous improvement in Process, Productivity, quality & safety through low cost automations. Analyze each station through lean manufacturing tools -Standardized work combination chart, Operator balance chart, Time measurement and eliminate MUDA.
- Do MOST study to calculate standard time and implement the standard method to perform task, activity on each station.
- Production optimization by reducing the bottleneck operations assembly lines.
- Assessment of workstation for safety and Ergonomic to ensure safe working area always. Identify, Plan, and provide on-job training to operators for enhancing their versatility.
- Follow TPM methodology for concern resolution in the problems.
- Weekly labor report preparation and analyze gap between actual, forecasted, and budgeted headcount with respect the standard man hours.
- Lead Continuous Improvement Project and achieve Plant yearly target. Report monthly progress of CIP saving to global director.
- Lead yearly plant budget activity.
- Value Stream Mapping and Improvement using I4.0 solutions.
- Digitization and Visualization of Shopfloor, Change Management
- Smart Factory Assessment, Lean Maturity Assessment,, Relentless coaching of employees to build and sustain Lean Culture in the organization

Significant Achievements

- 7 nos Direct labor saved per shift by implementation of model plant – Standardized work combination chart, Material replenish, Pull Production, Level production and lean layout.
- 3 nos material handler saved per shift through relayout of assembly line.

EBERSPAECHER-SHARDA EXHAUST TECHNOLOGIES INDIA PRIVATE LTD

Eberspaecher is one of the leading system developer and supplier of exhaust technology, vehicle heater and air conditioning system worldwide and is also involved in automotive electronics for electronic networking in the vehicles. Global presence at 80 locations in 28 countries.

Position- Deputy Manager Industrial Engineering & Manufacturing Engg responsible for managing plant operations activity and reporting to Managing Director based in German.

Total direct repartees- 05 nos Senior Engineer.

Since- Nov-19 to Sept 2021

Roles and responsibilities

- Handling and Setting up new product Assembly Line & factory with Lean Manufacturing System, Material Replenishment System, Jig-Fixture & Material handling equipment
- Well versed with Industrial Engineering Philosophies like Process Planning, Work Measurement, Manpower Calculation, Line Balancing, Capacity Planning, Ergonomic Study & Line Layout Design.
- Functional expertise in analyzing & managing Industrial resources for effective utilization as per 6M: Man, Machine, Material, Method, Measurement & Mother Nature for increased Productivity.
- Adept at implementing standard methods, processes & systems to ensure strict adherence to customer requirements & parameters; Enriched with experience in PFC, PFMEA, Work Instruction, Poka-yoke, Just-In-Time, Kanban, Andon, 5S with good insight to standards.
- Quick adaptability to changing technologies to meet new requirements with a systematic approach

in driving Digital transformation & Automation related initiatives as per Industry 4.0

- Monitoring and troubleshooting failures through Root Cause Analysis while coordinating with cross functional teams & taking the traces for Problem Solving to reduce failures & complaints.
- Capability of executing cost saving techniques and modifications to achieve substantial reduction in expenditures and work within the budget
- Spearheaded efforts in driving Continuous Improvement projects through VSM, Kaizen Event & Gemba Walk.
- Core competence in Project Planning and Management through core networking operation.
- Effective supervision & coordination to integrate efforts of all team members with capability to lead a team.

Significant Achievements

- Flow less launching of Canning welding line and assembly within customer timeline.
- Exhaust Gas After treatment (EGAT) line installation and commissioning. SCR, DOC, DPF ATS Assembly line setup.
- Inventory control from 16 hrs to 4 hrs saved \$ 4K per month.

MAGNA AUTOMOTIVE INDIA PRIVATE LIMITED

Magna is global leading supplier of welded frames , chassis, twist beam axle for light commercial vehicle. Customized product.

Position- Assistant Manager Manufacturing responsible for managing plant manufacturing engineering and continuous improvement activity and reporting to Plant Manager.

Total direct repartees- 05 nos Senior Engineers

Since- Jan17 to Nov-19

Roles and responsibilities

- Prepare process flow diagrams for the assembly, Assembly tooling Designs, follow-up, Buyoff of equipment, tools and machine, preparing control plan for the Assembly, Implement Poke yoke in Tooling as per PFMEA output
- Study and resolve Ergonomics and safety issues in cell working area, prepare optimum Tooling build timeline and adhere, Monitor supplier progress for assembly tooling's.
- Insure all the required company std. / Customer requirements are implemented in the tooling, prepare GD & T of the child parts based on the assembly
- Monitor Assembly Dimensional Capability & improve the same to customer expectations, Monitor capital Equipment Build Timing and install all of them on time in-house
- Monitor Assembly tooling cost, verify engineering change costs for the assembly. Tooling, Prepare all the visual displays on the assembly,
- Setup welding process to meet required quality, Establish the optimum process cycle time, Process Optimization, provide training to operators to work on new assembly
- Control production process at the time of customer PPAP, Production trial runs, Handover assembly
- Cell to production dept. after PPAP, implement internal / customer engineering change on the assembly. Tooling, Implement Lean tools and techniques, optimizing Throughput Time through Plant VSM
- Time Study, Method Study, PMTS-MOST implementation, Line balancing as per the product & process, Work analysis, Resolve bottleneck by method improvement and work content reduction, Kaizen, Ergonomic improvements, Packaging Improvement
- Line installation and commissioning, Prototype sample built up, Change management, Lean Management
- Manufacturing Excellence/WCM Practices – Lead manufacturing excellence pillar, Ergonomics improvement Supporting WCM implementation concept and development within Factory /Competence area, WCM planning and execution based on capital equipment production strategy
- Conducting audits of WCM teams / pillars, contribute to motivate and empower people through positive attitude and stimulate mindset changes
- Ergonomics coordinator- Ergonomics risk identification at each station, eliminate ergonomics risk associated with each station by. Plant ergonomics coordinator

Significant Achievements

- JPH improvements on Mahindra line from 9 JPH to 12 JPH through Lean tools.
- Capacity enhancement project on Tata MY15 RTB. Cycle time improvement by 15%, through eliminating MUDA

LARSEN AND TOUBRO LIMITED

Larsen & Toubro electrical and automations OEM manufacturer of low medium and high voltage switchgears vehicle. Global presence at 26 locations in 18 countries.

Position- Assistant Manager Manufacturing responsible for managing plant manufacturing engineering and new product development activity and reporting to Plant Manager.

Total direct repartees- 05 nos Senior Engineers

Since- Oct 12 to Dec16

Roles and responsibilities

- New Product development, Tooling and Process development, Product validation and handover to operations, Standardize manufacturing processes and systems
- Ensuring the First time right, experience sharing & standard parts are used in tool design
- Timely delivery of Facility, Tooling and Gauges designs to Vendors and
- Updating top management through MIS of the department. Monitor and Review of FTG, PFD, PFMEA, and Control Plan Identification and development of vendor for tooling functions - Jigs, fixtures, and Gauges
- Responsible for Line Layout Setup and Processes for Manufacturing Function.
- Work Standardization – Tool Development Process, Injection Molding Process, Assembly Process
- Manufacturing Feasibility Study and Sign Off,
- Monitor the manufacturing of prototype samples and point out difficulties and Trouble shoot the problems in assembly
- To perform time studies on production equipment's to successfully establish production bottlenecks.
- Responsible for increasing productivity through combined work steps, removing non-value added activities, adding automation and the development of effective work practices
- Lessons Learned - To coordinate the documentation of all lessons learned during completion of project.

LEAR AUTOMOTIVE INDIA PRIVATE LIMITED

Lear automotive tier one supplier of seating system for automotive OEM.

Position- Assistant Manager Industrial Engineering responsible for managing Industrial engineering and new product development activity and reporting to Plant Manager.

Since- Oct 04 to Oct 12

Roles and responsibilities

- Perform Method Study and calculate precise Method Time using MTM-UAS
- Analyze VA/NVA activities through video software (ACS Video Timer-Pro) and find ways to eliminate nonvalue added activities.
- Identify bottleneck station for increase in capacity.
- Define workstation layouts, considering ergonomics and EHS requirements and optimizing movements.
- Prepare work instructions for assembly line. Prepare SWCT, Spaghetti diagram
- Create routings in SAP and allocate Man-hours for the assembly line
- Perform line balancing and controlling it through Micro-Process
- Perform Task Sequencing for all assembly stations in co-ordination with line leader and union leader.
- Support process engineer in providing inputs to design team to guide product definition in order to improve product manufacturability with baseline changes and achieve QCD target.
- Presentation to management different scenarios related safety, quality and productivity improvements.
- Conduct KAIZEN workshop for all assembly line
- Optimize floor space by JIT delivery trolleys.
- Participate in PFMEA meetings along with process engineers

Personal Details

- Date of birth- 14 October 1980
- Marital status- Married. And 2 Children
- Language Known- English, Hindi, Marathi
- Interest hobbies- Travelling, Reading Technical writeups, Playing Football.