Sunil Kumar Chaubey

sunny77.chaubey@gmail.com
+91 - 9921832787

Profile Summary

Dynamic and results-driven **Manufacturing Engineering Head** with **25 years of experience** in managing complex automotive manufacturing operations, driving operational excellence, and leading large teams across multiple plants. Expertise in **new plant setups, automation, robotics, lean manufacturing, TPM, and Industry 4.0** practices. Proven track record in driving **CAPEX reduction**, **P&L improvement**, and **quality enhancement** while promoting a culture of **continuous improvement** and **safety**. Adept at managing cross-functional teams and delivering on strategic initiatives to meet business objectives.

Overseeing plant operations and leading development projects for automotive electronics products and assemblies, including SMT, post-SMT processes, assembly, and testing, to ensure efficient production and high-quality standards.

Key Achievements

- **Operations Leadership & Management**| Improved Profitability in Automotive Lighting & Instrument cluster business.
- **CAPEX Reduction** | **Greenfield & Plant Relocation Projects**
  Spearheaded **2 plant relocation projects** and **1 greenfield project**, ensuring timely completion within budget by **optimizing resource allocation** and utilizing cost-effective technology, resulting in a **15% reduction in capital expenditure** compared to initial projections.
- **New Technology Introduction** | Localize process with New efficient technology for Robotic Antifog coating on Plastic lens.
- **Automation & Robotics | worked on multiple projects with Panasonic, Epson & Fanuc robots.**
- **Lean Manufacturing** | **Industry 4.0** | **MS Business Intelligence Dashboards**
- Hands-on experience with **AutoCAD**, **SolidWorks/Unigraphics**, and **CAD-based process layout** design.
- Expert in driving **Process Traceability** and **Data Management** using **QR Codes** and **Smart Manufacturing Systems**.
- **TPM Implementation** | **Quality Management Systems (QMS)** | **Customer Specific Systems, MSIL, Renault Nissan, VOLVO & Honda**
- Expertise in **costing and control** of the product launch process, RFQ activities, and **value analysis/value engineering (VA-VE)** initiatives.

Star Engineers India Pvt Ltd., Pune (Aug 2024 – Present)

Products & Process: **Electronics SMT, Potting, Assembly, Moulding & Testing. Products: Sensors, Electronic Hand throttle for EV, CDI, Rectifier Regulator, EFI, ECU, Motor Control Unit, Relays**

Designation : **Sr. GM- Operations & New Product Development**

Overseeing the operations of multiple plants, responsible for production, quality, safety, and budget management. Leading strategic initiatives to optimize operational performance and achieve cost-saving targets.

- Leading Manufacturing planning, Development & quality for customers like Honda 2W, Suzuki, Yamaha, Piaggio 2W & EV customers.
- Lead plant operations, ensuring compliance with safety regulations, customer requirements, and industry standards.
- Develop and implement strategic plans that align with business objectives, including **CAPEX/OPEX control** and process improvement initiatives.
- Drive **lean manufacturing practices**, introducing automation and robotics solutions to enhance efficiency and reduce costs.
- Manage plant budgets, forecasting, and cost control measures to maximize profitability and minimize downtime.
- Driving specific Improvement projects for Quality improvement in electronics wheel speed sensors, Rectifier Regulator & Hand Throttle for 2wheelers.
- Traceability Improvement in SMT Lines.

Interface Microsystems, Gurugram (Mar24 – Aug24)

Products & Process: **Electronics SMT, Laser Welding Bus Bar for EV, Assembly & Testing. Products: ECU, TPMS, Sensors, Wireless Chargers for Car Relays, MBFM, Head Lamp controller Keyfob, Control Unit & CAN & Ethernet based ECU.**

Designation : **GM -** Manufacturing Engineering planning & process development for multiple plants.

- Led the engineering and manufacturing planning team, handling major projects with leading automotive customers like TATA, M&M, Ashok Leyland, and VW.
- Directed the new technology project launch for Mahindra PV CAN based Lighting.
- Introduced new Linux based Software flashing technique to reduce software flashing cycletime in High speed ethernet based ECU.
- Led Manufacturing Planning and Control for Wireless Charging module of M&M & VW PV.
- Managed cybersecurity compliance for Manufacturing and equipment development from vendor partners considering critical technical information.
- Developed End of Line Testing for new technology multiple Ethernet & CAN based products.
- Managed plant setup projects, including the design of layouts for machinery, utilities, and material storage systems.
- Implemented IT-enabled process traceability, improving smart manufacturing and operational efficiency.

Napino-Continental Vehicle Electronics Pvt Ltd, IMT Manesar, (Jan'2019- Mar 2024)

Products & Process: **Electronics Assembly & Testing. Products: Instrument Cluster (CAN & Kline) & Control Unit for CV (Body)**

Designation : **Manufacturing & Operation Head**
Responsible for New Project development , Plant Operations & Safety.
Customer : Hero, TVS, BMW, Piaggio 2W, Daimler India CV, Tata, Yamaha, Volvo, Kawasaki.

The accomplishments:

- Involvement in Long Term Business Planning & Strategic Planning
- Managed all aspects of plant operations, including production, quality, maintenance, and logistics.
- Compliance with customer requirements, regulatory standards, and company policies.
- Manage production planning, scheduling, and inventory control to meet customer demand.
- Implement and maintain effective quality management systems, including ISO/TS 16949 and IATF 16949.
- Establish systems to track key performance indicators (KPIs) to measure plant performance, including productivity, quality, safety, and customer satisfaction.
- Lead cross-functional teams to drive continuous improvement initiatives, Lean mfg. & Kaizen.
- Overall responsibility for the plant's operations, including production, maintenance, quality, and safety.
- Handled project of New Plant Setup, Facility Creation & Plant Relocation
- Addition of four new customers including two global projects.
- Successful Migration from K Line to CAN technology & Bluetooth in clusters.
- 20% cost Reduction in Line development budget by design optimization.
- Driving TPM based activity for Equipment Development & Equipment Maintenance.
- Contribution to achieve Break-even & profitability targets before financial budget timelines.
- Improvement in PCB EOL Testing Capacity & Development of ICT Testers.
- Development of Critical Process: Robotic Antifog Coating (India first project) , Leak Testing, Vision Camera Testing

Lumax Industries, Pune (Sep '2017 – Jan'2019)

Role **: Plant Manager**
Product : Wiring Harness & Lighting Assemblies for 2W, PV & CV
Customer : M&M (CV & PV), Tata (CV & PV), John Deere, Ashok Leyland, Bajaj Auto & HMSI
Major Achievements:

- Sales Increase by 20 % in a Year by adding new customers & Products.
- Raw Material Cost decrease by VA-VE in Plastic Molds parts.
- New Lighting Parts development including PCB, Plastic & Rubber.
- Addition of 02 New PV customer by improving quality systems & Cost.
- Installed additional Manufacturing Capacity to increase Wire Harness Production.
- Quality improvement & Cost reduction projects done in Sheet metal Brackets & Plastic Parts
- Implement lean principles to eliminate waste, reduce lead times, and improve productivity.
- Organize production into smaller, focused cells to improve efficiency and reduce material handling.
- Develop standardized work instructions to ensure consistency and reduce errors.
- Implemented TPM 04 Pillars to improve equipment reliability and reduce downtime.
- Won Awards in Quality circle forum of India Pune & Gwalior Chapter
- Handled 700+ workforce with ~ 50:50 Gender ratio.

Kongsberg Automotive (Driveline & Chassis Systems) Faridabad (May'2016 – May'2017)

Role **: Manager – Process Engineering**
Major Achievements:

- Development of PCB Based Gear shifter for Auto Transmission in MSIL Swift Dezire
- Development of 02 Models Gear Shifter for Renault Nissan
- Involvement in DFM, CAPEX, Production line development & Launch.
- Contribution in Supplier Parts Development (Plastic & Metal)

Varroc Engineering Pvt. Ltd. Plant III, Pune (Mar'2011- May 2016)

Role: Executive - Continuous Improvement & TPM

- Monitoring Budgeted Continuous improvement activities of 05 Plants
- Process Cost Reduction using TPM Methodology
- Lead for VA-VE projects Monitoring, drive from R&D & SCM

- Support to SAP & Costing team for actual process routing & Change management update
- Worked on special projects for 2Wheeler & 3Wheeler Starter Motor
- Rejection Control of Motor through improvement in Winding, Varnishing & Balancing process.
- Coordinate development of Flywheel Magneto, Motor Shaft & Sheet metal Core & Stator
- Team player for Equipment development of Rotor Line with Nittoku Winding Machine
- Handled production of REML Starter Motor Production Line as a Special Project for Efficiency improvement
- Plant Coordinator for Operational strategy Implementation drive from Bain & Company
- Business Intelligence, Industrial automation for data management & traceability.

Lakshmi Precision Screws Ltd. Plant II, Rohtak (Mar'2007 – Feb' 2011)

Role : **Executive – New Product Development**, Development of Process, Layout, Tools & CAPEX Planning

Project : Development of Hot Forged products

- Handled complete green field project management to setup a new plant including Forging & Machining Process.
- Facility & Utility Management to run the plant
- Layout design in AutoCAD for process, material flow & Inventory Management
- Responsible for PPAP approval from customer

Tech Auto Pvt. Ltd. (Technico Group) Ludhiana (Oct 2001 - Sep 2006)

Role : Engineer – **Manufacturing Engineering & Tool Room**

Project : Control Plan, PFMEA & Process Sheet preparation for New Projects & Change in process

- Industrial Engineering activities for Output improvement & Line balancing
- Improvement in Jigs, Fixture & Machines for Operator Safety
- Proto Parts production & Design support
- Plant Layout for New Lines & Process in AutoCAD
- Design data Improvement & patchwork in Unigraphics received from Customer.
- Tool design in Unigraphics NX & AutoCAD
- 100+ projects, **Design & Development of Blanking, Compound, Combination & Progressive Tools**
- Design & Development of Inspection Gauges & Checking Fixture for Production.
- Coordination in Tool Room activities for Wire Cut, VMC, EDM & CNC Operations
- Vendor Contract activities for Heat treatment of Tools

Education, Certification & Training

- **Executive Post-Graduate Certification in General Management, IIM Ranchi**
- **B-Tech**, **Mechanical** from JRN **Rajasthan Vidyapeeth** University. (Rajasthan)
- **Diploma** in **Mechanical** Engineering from **Govt. Polytechnic College** Bikaner (Rajasthan)
- **Higher Secondary** (PCM) from **Kendriya Vidyalaya**, Jodhpur (Rajasthan)
- **Matriculation** from **Kendriya Vidyalaya**, Suratgarh (Rajasthan)

- **Certificate course in Design with CAD (Creo, AutoCAD, Solid Edge, Unigraphics)** from **Central Tool Room (Indo German)** Ludhiana.
  (~ 05 years experience with UG NX & Solid Edge, 11 yrs with AutoCAD)
- **Certificate course in Jigs & Fixture Design, Heat Treatment** from **Central Tool Room (Indo German)** Ludhiana.
  (~ Seven years' implementation experience post certification with additional on job training of Wirecut, EDM, Jig Boring CNC Milling etc.)
- Training & Certification from **Leadership Management International (LMI)** for Personal Productivity improvement through Leadership Development. (Four Months course with multiple plant projects in Lumax Industries)
- Internal Auditor Training for IATF, EMS & OHSAS. (Implementation in Green field & Plant Relocation projects)

Personal Details

Father's Name	: Late Shri. Kedar Nath Sharma
Date of Birth	: November 1977
Language Proficiency	: Hindi & English. Can Understand Punjabi & Marathi
Address	: Moshi, PCMC, Pune, Maharashtra
Hobbies	: Reading Science & Listening Music