

T. SELVAN

MANUFACTURING ENGINEERING | NEW PRODUCT DEVELOPMENT | PROJECT MANAGEMENT



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LOCATION
Tamil Nadu

A multi-faceted, strategic professional with a focus on **Manufacturing Engineering, New Product Development, Tool Design & Manufacturing, Production & Planning, Operations & Maintenance, and Quality Assurance**, targeting functional areas and industries that align with these expertise

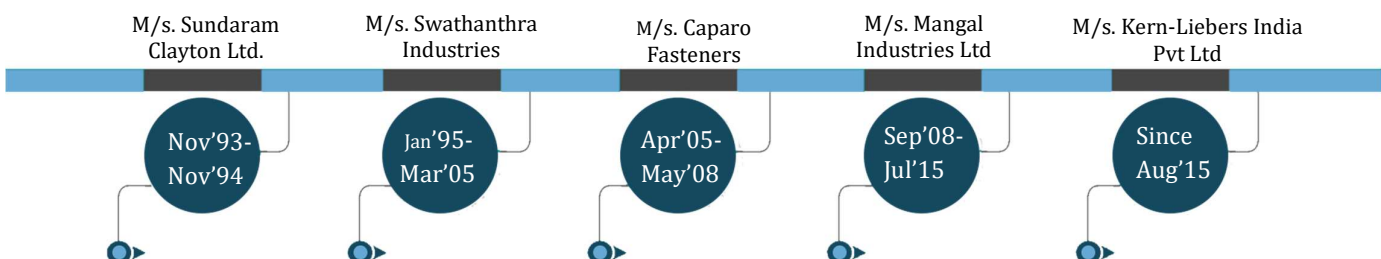
- ## PROFILE SUMMARY
- ❖ Possess over 29 years of experience in **Manufacturing Engineering, New Product Development, Project Management, Tool Design & Manufacturing, Research & Development, Operations & Maintenance, Quality Assurance, Erection & Commissioning, and Man Management** across various industries
 - ❖ Currently serving as **Deputy General Manager - Manufacturing Engineering** at KERN-LIEBERS INDIA PVT LTD, overseeing Technology & Planning, New Product & Process Development, Tool Design & Tool Manufacturing, and Automation (SPM) development
 - ❖ Expertise in **Manufacturing Engineering, Tool Design, Tool Manufacturing, Material & Process development, Quality Assurance and Business Development/ Estimation**
 - ❖ Demonstrate key skills and **competencies in managing entire production operations**, ensuring business profitability, improving processes to enhance product quality, and reducing rejection rates
 - ❖ Insightful knowledge of **deploying various processes design & development methodologies** to analyse processes, recommending modifications to minimize escalations, reduce rejection, realize operational efficiencies, control variability, costs as well as reduce the cycle time
 - ❖ Exhibited a strong and firm approach to sustain and **encourage safe work environments** and capabilities to streamline operations; applied **continuous improvement principles** to save **20-25 lakh per annum** and achieving **30 lakh per annum** saving in tool manufacturing cost
 - ❖ Proficient in **resource planning, in-process inspection, team building**, design & development, and coordination with internal departments for seamless operations
 - ❖ **Key People Leader**, experienced in hiring & leading large teams, defining KPIs & metrics and ensuring achievement of the goals to enhance organizational effectiveness

- ## CORE COMPETENCIES
- Strategic Manufacturing Engineering
 - Vendor Management/ Negotiations
 - Tool Design & Manufacturing
 - Quality & Compliance Management
 - Product Life Cycle Management
 - New Product Development
 - Budgeting, Estimations & Cost Control
 - Process Efficiency Enhancement
 - Team Building & Mgmt.

- ## SOFT SKILLS
- Negotiation & Conflict Management
 - Visionary and Decision Making
 - Good Listener & Communicator
 - Team Building & Interpersonal Skills
 - High Business Ethics & Trustworthy
 - Analytical Problem Solving
 - Leadership and Delegation

- ## EDUCATION
- MBA; Marketing Management from Anna University, Coimbatore - 2011
 - B.E; Mechanical Engineering from Anna University, Chennai - 2004
 - Diploma in Mechanical Engineering from D.D.C.S.M Polytechnic Placode, Dharmapuri Dt - 1993

CAREER TIMELINE



WORK EXPERIENCE

Since Aug'15 | KERN-LIEBERS INDIA PVT Ltd.

Deputy General Manager- Manufacturing Engineering (Engineering & New Product Development)

Responsibilities:

- ❖ Leading all activities related to New Product & Process Development, Tool Design & Tool Manufacturing in the Fine Blanking / Press Shop, ensuring timely and efficient execution
- ❖ Overseeing overall new product development and detailed project management, collaborating with cross-functional teams to achieve desired outcomes
- ❖ Handling Fine Blanking & Stamped Parts Process design and establishing the Manufacturing process, optimizing resources and minimizing waste
- ❖ Conducting manufacturing feasibility studies and process costing for new products and processes, providing valuable insights for decision-making
- ❖ Developing jigs & fixtures, testing techniques, and design changes to improve production, enhancing overall efficiency and output
- ❖ Providing manufacturing & technical support to production and sales for new product & new business development, fostering growth and expansion
- ❖ Identifying areas for automation and making relevant modifications, streamlining processes and reducing manual intervention
- ❖ Developing technology capabilities and monitoring manufacturing capacity, ensuring optimal utilization and continuous improvement

Highlights:

- ❖ Estimated Capex requirements and executed new investments upon board approval, contributing to the growth and expansion of the organization
- ❖ Imparted training and facilitated multi-skills development within the team, enhancing overall team performance and individual growth

Sep'08-Jul'15 | Mangal Industries Ltd; (an AMARARAJA GROUP OF COMPANY)

Assistant General Manager - Engineering (New Product & Process Development, Tool Design)

Responsibilities:

- ❖ Managed all activities related to New Product Development, Project Management, and Tool & Process design in the Fasteners Division, ensuring timely and efficient execution
- ❖ Handled Fasteners, cold forging & cold extrusion process design and establishing the Manufacturing process, optimizing resources and minimizing waste
- ❖ Ensured manufacturing feasibility and process costing, provided valuable insights for decision-making
- ❖ Worked on product quality and implemented quality systems, adhering to industry standards and best practices
- ❖ Designed cold forging & press tools and managed production tryouts, ensuring seamless integration and minimal downtime
- ❖ Developed process parameters, testing techniques, and design changes for production improvement, enhancing overall efficiency and output
- ❖ Provided manufacturing & technical support to production and R&D for continuous improvement, fostering growth and expansion
- ❖ Identified suitable process equipment and establishing processes, streamlining operations and reducing manual intervention

Apr'05 - May'08 | Caparo Fasteners

Manager - Design & Development

Responsibilities:

- ❖ Managed all activities of the engineering department, ensuring smooth operations and timely execution of projects
- ❖ Handled cold forging & cold extrusion Tool design and establishing the Manufacturing process, optimizing resources and minimizing waste
- ❖ Oversaw product development plans and conducted feasibility studies, providing valuable insights for decision-making
- ❖ Worked on Costing products and processes, ensuring profitability and sustainability
- ❖ Managed production tryouts and process control, ensuring seamless integration and minimal downtime
- ❖ Inspected packing standards and documenting data as per IATF 16949, adhering to industry standards and best practices
- ❖ Provided manufacturing & technical support to production & marketing for continuous improvement, fostering growth and expansion
- ❖ Managed new project management and industrial engineering activities, ensuring timely and efficient execution

Achievement:

- ❖ Achieved the Best Performance Award in 2006, recognizing outstanding contributions to the organization

Jan'95-Mar'05 | Swathanthra Industries

Engineer (Production, New Product Development, Tool Design & Manufacturing)

Responsibilities:

- ❖ Managed machine loading, manpower allocation, and product quality, ensuring optimal utilization of resources and adherence to quality standards
- ❖ Ensured production output as per plan and monitored process control & performance, maintained efficiency and minimized waste

- ❖ Handled cold forging multi-station header Tool design, Tool Manufacturing & Manufacturing process design, optimizing resources and minimizing waste
- ❖ Designed tools & fixtures and manufactured for forging & secondary operations, enhancing overall efficiency and output
- ❖ Monitored and maintained manufacturing expenses within budget, ensuring profitability and sustainability
- ❖ Controlled production tryouts and processes, ensuring seamless integration and minimal downtime

Nov'93-Nov'94 | Sundaram Clayton Ltd.

Technician – Apprenticeship

Responsibilities:

- ❖ Gained experience in various roles, including Air Brake Valve Assembly, Air Brake Valve Testing, Line Inspector Assembly and Machine Shop, and CNC Machine Operation, developing a strong foundation in manufacturing processes and operations



CERTIFICATION & TRAININGS

- ❖ Project Management Professional (PMP) – Project Management Institute (PMI)
- ❖ IATF 16949 - Qualified Internal Auditor and Lean Six Sigma practice



KNOWLEDGE PURVIEW

- ❖ Successfully completed Professional Development Program on Advances in Cold forging and Extrusion Technologies from Engineering Staff College of India, Hyderabad
- ❖ Attended Overseas Training in Cold Forging Machine Maintenance and Techniques from Chun Zu Machinery Industries Co. Ltd., Taiwan
- ❖ Exposure to AutoCAD, Solid Edge and Pro-E; familiarization and practice in CNC Machine and Computer Aided Manufacturing



PERSONAL DETAILS

Address: Plot No: 11P, Muthamil Nagar, 4TH Street, Katpadi – 632007, Vellore – District, Tamil Nadu.

Date of Birth: 15th March 1973

Languages Known: Tamil, English, Telugu and Kannada