



Rajesh Kumar Singh

Al Warsan Fourth, Dubai, UAE

Mobile : +971-50 785 3532 ; E-mail: rksingh1924@gmail.com

MECHANICAL ENGINEER WITH 27+ YEARS OF EXPERIENCE

OPERATION/ PRODUCTION /MAINTENANCE / PRODUCT DEVELOPMENT

An **ambitious, optimistic** and **results oriented** professional with over **27+ years of experience** in managing all aspects of **Operation, Production, Maintenance, Product Development** and **implementing new technology**. Expertise in managing operations in a large production environment, strategizing the production/operational directions for developing new product, rationalization in production process, improving means and methods in production line to increase production efficiency. Identifying new processes, technology and methods to improve production & taking functional initiatives. Excellent organizing & leadership qualities with skills in team management

KEY COMPETENCIES

Product Development
Installation & Commissioning

Production Planning
Product Research

Maintenance Management
Team Management

PROFESSIONAL EXPERIENCE

Nuplas Industries Limited, UAE

June 1997 - Present

Plant Manager

Spearheaded end to end operations of industrial plant with ~900 Metric Tonnes annual production capacity, transforming the firm into becoming one of the largest manufacturers of primary packaging material such as RIGID PVC FILMS, PP, PET, Lamination & Coating line in the region.

Key Expertise areas :

- **Product Development:** Leading product development, enhancing production process, devising methods for product improvements & tweaking production processes to achieve optimal output.
- **Strategy Planning:** Formulating & implementing strategies for production growth, cost control, & operational efficiency improvement while consistently tracking performance through KPIs for enhancements in bottom-line performance.
- **Production Planning:** Scheduling plans, framing SOPs for daily/weekly/monthly production, allocating optimal manpower and devising objectives aimed at achieving consistent growth in production and profitability.
- **Maintenance Management:** Providing expertise in conducting regular preventive maintenance, scheduled Maintenance, Breakdown Maintenance and predictive maintenance.
- **Product Research:** Conducting product research and trend analysis for keeping abreast with market/economic trends & competitor moves to achieve market share metrics, improvising product offerings as per requirements.
- **Process Improvement:** Designing internal controls & quality audit checks for identifying various operational and production improvement areas. Verifying operational efficiency levels through KPI tracking & recommending cost control measures for bottom-line improvement.
- **Team Management:** Developing, managing and monitoring the performance of multi-skilled work force and conceptualized need-based training programs to enhance skill set.
- **Machinery Installation & Commissioning:** Layout design, Planning machine installation & commissioning, testing, trial run, designing forms & formats for new production lines as per ISO standards.

Key Responsibilities handled:

- **Managed** all manufacturing and production related process and production output.
- **Planned** and **organized** manufacturing, maintenance and operations to ensure the most effective return on assets.
- **Developed** and **implemented** plans and process which minimizes manufacturing cost through effective utilization of manpower, equipment, facilities, materials and capital.

- **Delivered** presentations to top level management, proposal & plan building for new production lines, negotiations, contract discussion & finalization.
- **Fulfilled** attainment of business objective and production schedules while ensuring product standard meets the final requirement of customer.
- **Established** group and individual accountability throughout assigned departments for problem solving. Encourage use of new technique and focus on fact based problem solving.
- **Improved** manpower utilization within existing departments and processes.
- **Continuously improved** safety records by addressing both physical safety issues and employee safety attitude.
- **Maintained** individual skills, keeping up to date with latest production and production management concepts.
- **Drafted and implemented** Plans for corrective and preventive maintenance schedules for Machines and utilities.
- **Actively involved** in the process of modification of machines, product design, energy audit, and production cost analysis to improve the productivity.
- **Provided** Technical assistance and support to customers to resolve problems related to the supplied materials on their Machines.

Key Achievements:

- **Analyzed and implemented** a series of measures to correct the layout of Plant and conserved 17% on resources.
- **Diagnosed, Designed & Installed** Set of cooling rolls for Calendaring line to increase the output by 20%.
- **Achieved** 10% savings on compressor efficiency, air loss and power consumption by designing new layout for compressed air line to ring main system.
- **Identified and evaluated** to lower down the capacity of boiler connected with calendaring line resulted in 25% reduced cost on Diesel.
- **Designed** new layout for compressed air line to ring main system saving 10% on compressor efficiency, air loss and power consumption.
- **Optimized** the capacity of boiler connected with calendaring line based on energy audit resulting in saving 25% on Diesel cost.
- **Spearheaded** expansion of company's production facilities. Company started with production capacity of 200MT per month in 1997 and currently processing over 900MT of Rigid PVC, PP and PET.

Key Positions served at Nuplas Industries, Dubai:

- **Production / Maintenance Manager** (2012- 2018)
- **Production / Maintenance In-charge** (2009- 2012)
- **Plant In-charge** (2004- 2009)
- **Assistant Plant In-charge** (2000- 2004)
- **Production Executive / Mechanical Engineer** (June 1997- 2000)

PVC Converters (I) Pvt. Limited, India

October 1995 - April 1997

Production Executive

Worked as Production Executive, Managed Planning & Coordination for manufacturing Process. Independently managed Production Output of one calendaring line. Preparation of production reports (I/O Analysis & Daily Reports). Managed Team of 5 Machine operators. Supporting Maintenance supervisor for periodic Maintenance.

KEY MACHINERY INSTALLATIONS & COMMISIONINGS

- | | |
|---|--|
| • 1997- Calendaring Machine for Rigid PVC film | • 2014- Worldly, Lamination & Coating machine from Taiwan |
| • 1999- Extrusion line for PVC film | • 2016- OMV F33, thermoform Machine for PP & PET Cups |
| • 2001,'04,'09- ILLIG Vacuum thermoform machine | • 2020- GN800 thermoform Machine |
| • 2005- Widmann Index & Divider Machine | • 2021- WELEX Extrusion Machine for PP & PET Rolls |
| • 2011- GN 3021 DX Thermoform machine | • 2022 GN 3021 Dx thermoform Machine |
| • 2012 - GN Pressure & Vacuum Thermoform machine | • 2022- GN800 thermoform Machine |

EDUCATION

IIT Roorkee (Formally known as University of Roorkee), 1995

M.E. In Production & Industrial System Engineering

University of Gorakhpur, 1993

B.E. Mechanical Engineering

CERTIFICATIONS, TRAINING AND WORKSHOPS

- Fire Safety & Hazards
 - Thermoforming Machine Training by BMG Chester, Canada
 - Vacuum Thermoforming Machine Training by ILLIG Maschinebau , Heibronn Germany
 - Index & Divider Machine Training by Widmann Maschine GmbH
 - Manager as Leader
 - Group Behavior
 - Fundamentals of People Management
-

COMPUTER SKILLS

MS-Office (Ms-World, MS-Excel, MS- PowerPoint, MS-Access), ERP

LANGUAGES

English - Proficient, Hindi-Proficient

UAE RESIDENCY INFORMATION

DATE OF BIRTH : May 12th, 1970

PASSPORT NO. : Z4684790

DRIVING LICENCE : Valid UAE Driving license

VISA STATUS : On Free zone (JAFZA) Employment Visa (valid till 16/03/2024) Transferable

REFERENCES : Available on request

NOTICE PERIOD : One Month (Negotiable)