

Contact Details

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Education

Diploma in Electrical & Electronics Engineering
Government Polytechnic, Simdega
Passout in : Apr 2023 | Score: 70%

Secondary School Certificate (10th)
M.K. DAV Public School, Chianki, Daltonganj
Score: 72.4%

Software & Tools

- SAP ERP System
- Tosok Software
- Microsoft Excel
- Microsoft PowerPoint

Languages

Chandan Kumar Tiwari

Junior Engineer – Production (line leader)

Professional Summary

Results-driven Junior Engineer with 2.8+ years of hands-on experience in the Production Department at **Daikin Airconditioning India's greenfield compressor plant**. Skilled in precision **mechanical assembly**, **Toyota Production System (TPS) frameworks, SAP operations, and data-driven optimization tools. Adept at managing workflows, resolving operational bottlenecks, deploying robust engineering countermeasures, and driving high-quality manufacturing** standards from the ground up.

Work Experience

Junior Engineer – Production Department

Daikin Airconditioning India Pvt. Ltd.

September 2023 – Present

- **Operations Leadership:** Supervise daily shift operations within mechanical assembly, managing strategic manpower (30-40 manpower) allocation to successfully hit targeted productivity, quality, and strict safety benchmarks.
- **Responsibilities**: Responsible for daily shift-production, safety of operators, daily production documents, daily production and downtime data, inventory of line (verified everyday to avoid missmatch), and smooth flow of manufacturing goods in mechanical assembly.
- **TPS Implementation:** Actively apply Toyota Production System (TPS) principles, deploying pull-based **Kanban mechanisms and autonomation (Jidoka)** methods to **reduce lead times** and **streamline plant material flows.**
- **Precision Assembly:** Leverage **specialized Tosok software for**

Hindi, English, Bhojpuri

highly accurate micron-level tolerance and clearance matching across critical components including crankshaft, piston, cylinder, and front-head assemblies.

- **Continuous Improvement:** Drive systematic Kaizen initiatives on the shop floor and implement rigid Level 3 & Level 4 Poka-Yoke (mistake-proofing) control loops to effectively isolate, catch, and eliminate manufacturing defects.
- **Data & Inventory Management:** Handle production logging, operational verification documentation, and material variance tracking utilizing integrated SAP modules alongside advanced Microsoft Excel tools.
- **Bottleneck Resolution:** Actively target operational constraints on assembly lines through precise time-studies and balance-adjustments to continually defend overall processing efficiency.

Core Skills & Methodologies

Toyota Production System (TPS)	Poka-Yoke Systems (Level 3 & 4)
Lean Manufacturing Frameworks	Precision Component Matching
6S Shopfloor Management	Manufacturing Quality (MQ) Standards
Continuous Improvement (Kaizen)	Shift Operations & Safety Supervision
Kanban Signal Systems	Manpower Allocation & Line Balancing
experience in special machines	Knowledge of IOT & Traceability
Familiar with robot, measuring, centring & riveting.	