MAFAI DAMLA SHEDRACH

MAINTENANCE SPECIALIST (FILLING) | PACKAGING & PROCESS SPECIALIST | MACHINE OPERATOR

Ebute Metta, Lagos, Nigeria • +234 803 291 6195 • mafaid0112@gmail.com • HND Mechanical Engineering

PROFESSIONAL SUMMARY

Results-driven Maintenance Supervisor & Packaging Specialist with 7+ years of progressive technical leadership across high-speed beverage production environments running up to 36,000 BPH (glass) and 45,000 CPH (cans). Holds a Higher National Diploma (HND) in Mechanical Engineering and deep technical expertise in Krones, KHS, and Sidel filling, crowning, and capping machinery. Proven track record in optimizing Overall Equipment Effectiveness (OEE)—reducing line downtime by 18–20% and driving output gains of ~10% through systematic Root Cause Analysis (RCA), TPM Autonomous Maintenance, and CMMS/SAP work-order planning. Skilled in managing cross-functional shift teams of 8+ personnel, enforcing strict GMP/HACCP/LOTOTO safety compliance, and managing critical spare parts inventories to maintain a 100% parts availability record with zero production stock-outs.

CORE COMPETENCIES & EXPERTISE MATRIX

MAINTENANCE & MECHANICAL RELIABILITY Preventive Maintenance (PM), Filler Valve Overhauls, Pitch Recalibration, Pneumatic Timing Alignment, Rinsers/Cappers/Crowners.	**SPARE PARTS & INVENTORY MANAGEMENT** Critical OEM Spare Parts Auditing, Bill of Materials (BOM), Min/Max Stock Thresholds, Material Requisitions, Zero Stock-Out Control.
PROCESS CONTROL & CONTINUOUS IMPROVEMENT Overall Equipment Effectiveness (OEE), TPM (Autonomous Maintenance), Root Cause Analysis (RCA/5-Why), CIP Sanitation Cycles.	**SOFTWARE & ENTERPRISE SYSTEMS** CMMS / SAP Plant Maintenance, Microsoft Office (Excel, Word, PowerPoint), HMI Touchscreen Systems, Quality Control Tools.

PROFESSIONAL EXPERIENCE

Packaging Process/Machine Specialist

Jan 2023 – Present

Nigerian Breweries Plc (Heineken N.V.) – Kaduna & Lagos, Nigeria

- **High-Speed Line Operations:** Direct shift operations across automated glass (36,000 BPH) and aluminum canning lines (45,000 CPH), supervising an 8-person operational team to consistently hit volume, quality, and safety KPIs.
- **OEM Technical Lead:** Serve as subject matter expert for Krones, Sidel, and KHS filler units, executing mechanical timing alignments, valve overhauls, and pitch recalibrations to eliminate micro-stoppages.
- **Spare Parts & Inventory Management:** Manage critical OEM spare parts inventories (filling valves, gaskets, seals, sensors), establishing min/max reorder levels and generating material requisitions that achieved 100% parts availability with zero stock-out delays.
- **CMMS / SAP Work Order Tracking:** Utilize CMMS/SAP PM systems and Microsoft Excel to generate work orders, log preventative maintenance completion, track spare parts consumption, and manage equipment lifecycle records.
- **Process & Quality Optimization:** Control critical filling parameters—including counter-pressure equalization, crowning torque, CO_2 retention, and automated CIP cycles—maintaining a zero non-conformance record.
- **Preventive Maintenance Execution:** Partner with cross-functional maintenance teams to carry out scheduled PM, quick-changeovers, and rapid running mechanical interventions.

Downtime Reduction
Reduced filler downtime by 18–20% through structured PM schedules.

Inventory Control
Sustained zero production stock-outs across $150k+ in OEM replacement parts.

PROFESSIONAL EXPERIENCE (CONTINUED)

Packaging Machine Operator
Dec 2020 – Dec 2022
Nigerian Breweries Plc – Ibadan & Kaduna, Nigeria

- **Line Operation & Monitoring:** Operated high-speed continuous bottling and canning machines in a 24/7 manufacturing environment, maintaining target running speeds and line efficiency.
- **Autonomous Maintenance (AM):** Executed daily AM routines, pneumatic component replacements, mechanical adjustments, and fast line changeovers to sustain optimal line flow.
- **Overhaul & Repairs Support:** Assisted maintenance engineers during major plant overhauls, filler valve maintenance, conveyor drive servicing, and dynamic mechanical troubleshooting.
- **CMMS & Quality Logging:** Documented daily machine maintenance, parts replacements, and package quality checks using CMMS logs and Microsoft Excel database templates.
- **Shift Handover & Communication:** Led shift handover briefings, toolbox safety talks, and shift production logging to ensure complete operational traceability across shift transitions.

Packaging Operator / Craft Trainee
Jul 2019 – Dec 2019
Nigerian Breweries Plc / Industrial Beverage Operations

- **Foundational Mechanical Training:** Completed rigorous craft training in industrial mechanical assembly, blueprint reading, plant safety, and high-speed beverage line mechanics.
- **Line Startup & Shutdown:** Managed routine startup, operational monitoring, and shutdown sequences across rinsers, fillers, labelers, and end-of-line packaging conveyors.
- **Preventive Maintenance & 5S:** Sustained high machine reliability through scheduled lubrication routines, front-line mechanical checks, spare parts organization, and strict 5S workplace standards.

EDUCATION & PROFESSIONAL CERTIFICATIONS

ACADEMIC EDUCATION

- **Higher National Diploma (HND)**
  Mechanical Engineering
  Federal Polytechnic Mubi, Adamawa State (2021)
- **National Diploma (ND)**
  Mechanical Engineering
  Federal Polytechnic Mubi, Adamawa State (2018)
- **NABTEB Advanced / O-Level**
  Government Technical College (2016/2011)

TECHNICAL CERTIFICATIONS & SAFETY

- **Labour Trade Test (Classes I, II & III)**
  Federal Ministry of Labour & Productivity
- **NB Functional Competency Level 1 & Level 2**
  Nigerian Breweries Plc Packaging Operations
- **Safety & Process Standards**
  LOTOTO, TPM Autonomous Maintenance, GMP & HACCP

PROFESSIONAL REFERENCES

Solomon Haruna
Packaging Line Manager
Nigerian Breweries Plc, Kaduna
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Packaging Supervisor
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