PROFESSIONAL EXPERIENCE

Top Glove Sdn Bhd, Factory 23, Ipoh, Perak (November 2020 to Today)

Joined largest glove manufacturer in the world, as Engineer position in Production department, specializing in manufacturing, supply and distribution of polymer powder-free textured gloves. Played major role in core manufacturing department as:

An Engineer:

1. Reported to Manufacturing Managers and Senior Engineers in execute engineering improvement projects, including Polymer Timer Mini Pump Project, Air Receiver Compressor Pressure Monitoring Project, Alkaline Tanks Level Floater Project, Magnetic Holder Dirt Removal Project.
2. Troubleshoot on Industrial Automation devices, not limited to wiring temperature controller (Omron E5CC and 3-wire thermocouple Type-K), Proximity NPN sensors, 5/2 pneumatic valves and Servo Motors.
3. Initiated Programmable Logic Board (PLC) projects with hands-on AC and DC wiring (MCB, RCCB, AC converter, main PLC) including terminal box design and I/O wire laying.
4. 4. Self-learning PLC Programming Language (Ladder Diagram), mainly with Keyence PLC, with good understanding of Coils and Input, plus add-ons modules including Analog to Digital conversion (KV-N3AM), serial communication RS232, RS485, Modbus RTU and Serial PLC link (KV-N11L) and Ethernet/IP Communication.
5. Designed Human Machine Interface UI with Delta DOP107CV, to work with PLC projects, ex: improvement of Polymer Timer Mini Pump Project by eliminating physical timer and relay components.
6. Converted production board to smartboard TV accessible from anywhere by self-written HTML and CSS language with Google Sheet Embedded, including Laboratory Result Updates, Former Running Days, Production Tank Cleaning Schedule, with paper usage eliminated and respective declaration using Google Form.
7. Minimized workload and mistakes at compounding department by creating online chemical calculator with JavaScript programming language

A Manufacturing Line PIC:

1. Maximized output of production line to achieve target output KPI setting.
2. Carried out adhoc troubleshooting with supervisors and leaders on glove and defects on-site to ensure good quality products.
3. Conducted production whiteboard planning with major department (i.e. Compounding, Packing) weekly on Monday or on adhoc discussion urgent matters
4. Worked with Former department to maintain ceramic formers (glove dipping rice bowl)at 99.0% cleanliness
5. Focused Total Preventative Department (TPM) with Maintenance department to improve and achieve 93.0% production line uptime (December 2023) compared to XXXX
6. Controlled manufacturing cost by carton (CPC) by boosting output while focused in reducing consumption of raw material (Latex), cleaning reagent and natural gas
7. Performed and lead mass scale trial run at production line with Research & Development (R&D) team
8. On-call during night, weekend and Public Holiday for production line breakdown and arrangement, reported to managers.

A Production Staff

1. Ensure product output meets International Standard EN455, ISO 11193, ASTM D3577, EN 455 standard
2. Monitor production department

ISO 9001 Quality Management System (QMS)

ISO 14001 Environmental EMS

ISO 13485 Medical device (XXX)

ISO 37001 Safety

1. Take part as Emergency Response Team (ERT) and First Aid Team
2. Involvement in Factory Audit (Sirim Audit BRC audit) BSCI
3. Attended workers’ problem, such as attendance, OT arrangement during PH,
4. Quality analysis and improvement using FMEA, 8D, Fishbone(Ishikawa), Five Whys
5. Performed OQ and PQ validation of production line yearly.
6. Played a part in improving customer satisfaction by reduced customer complaint from 39 complaints (2019) to 13 complaints (2022)
7. Brought down scrap percentage from 2.14% (2019) to 1.89% (XXXX)