

SARUT KAEWMALA

Longmont, CO 80504

805-924-4545

sarutkaewmala@gmail.com

OBJECTIVE

Technician with a strong foundation in electronics, electric, mechanics, and quality control, experienced in assembly, installation, troubleshooting, and technical support across industrial and manufacturing sectors. Skilled in precision measurement, PLCs, and PCB inspection. Seeking to apply technical expertise and problem-solving skills in a technician role while advancing knowledge in automation.

Registered Colorado Electrical Apprentice (APE #9978441 – Pending Activation)

Authorized to work in the U.S. as a permanent resident.

KEY SKILLS

Electronics & Electrical

- Electrical Testing & Measurement: Multimeters, oscilloscopes, waveform analysis.
- PLC & Automation: Basic programming, control system and troubleshooting.
- Industrial Equipment: Install, setup, and troubleshooting of industrial machines (repelletizer, mini runners)
- Circuit Fundamentals: RLC circuits, diodes, transistors, transformers, motors, etc.
- PCB Assembly & Inspection: PCB inspection, IoT projects (Arduino, ESP, Blynk).
- Soldering & Cabling: Through-hole and surface mount soldering, wire harness assembly.

Automotive & Mechanical

- Automotive Systems: Engine fundamentals, fuel system, transmission, suspension, and braking systems.
- Automotive Tools: Torque wrenches, pneumatic tools, feeler gauges, dial indicators.
- Preventive Maintenance: Oil changes, brake service, basic engine.

Quality Control & Precision Measurement

- CMM arm, micrometers, vernier calipers, go/no-go gauges and other essential measurement.
- Dimensional inspection and calibration coordination.
- ISO compliance reporting and defect analysis.

Fabrication & Technical Tools

- Power and hand tools (drill, grinder, cutter, stick welding, milling).
- Reading schematics, wiring diagrams, and CAD drawings.

Professional Strengths

- ESD & Cleanroom Practices for SMT/PCB environments.
- Strong troubleshooting & problem-solving mindset.
- Customer support, technical training, and team coordination.
- Project Management & Cross-Functional Skills: Coordinating with suppliers and clients, ensuring equipment operational readiness.

RELEVANT EXPERIENCE

Assembly Technician - Veolia Water Technologies

Boulder, CO | Sep 2025 - Present

- Assemble and test analytical water instruments following wiring diagrams and technical specifications.
- Perform electrical and mechanical inspections on motors and sub-assemblies.
- Conduct leak and functional testing on pipe sub-systems before shipment.

Kitchen Equipment Maintenance - Kao Ramen by Mama

Ventura, CA | Mar 2024 - Aug 2025

- Repaired and maintained restaurant electrical and mechanical equipment (motors, appliances, outlets, lighting).
- Conducted preventive maintenance to reduce equipment downtime.
- Trained staff on safe usage of kitchen machinery and electrical systems.

General Manager / Technical Support – MSK Asia Co., Ltd.

Thailand | 2019 – 2024

Technical Responsibilities:

- Installed, and troubleshoot industrial machines (repelletizer, mini runners).
- Conducted preventive maintenance to ensured machined operated reliably and safety.
- Provided on-site technical support and training for clients to maximize machine performance.

RELEVANT EXPERIENCE (CONTINUE)

General Manager / Technical Support – MSK Asia Co., Ltd.

Thailand | 2019 – 2024

Management/Operational Responsibilities:

- Developed business strategies to grow sales, maintain profitability, and build strong client relationships.
- Coordinated orders, shipments, and logistics between overseas supplies and local customers.
- Managed clients' communications, project timeline, and installation schedules.
- Quality control, ensuring machines met customer specifications and operational standards.

Technical Sales & Coordination Roles (Multiple companies)

Thailand | 2010 – 2019

(Matsui Asia Co., Ltd, Patkol PLC, Toyota Tsusho Thailand Ltd., Daiwa Kasei (Thailand Co., Ltd))

- Liaised between manufacturers, suppliers, and clients in the automotive and industrial sectors.
- Managed supplier negotiations, sourcing, and technical coordination.
- Provided after-sales service and customer training for industrial equipment.

Quality Control (QC) Staff – INOAC Tokai Co., Ltd.

Thailand | 2009 – 2010

- Inspected jigs, fixtures, and molded parts using CMM arm, micrometers, and calipers.
- Recorded and analyzed quality data for compliance with ISO standards.
- Coordinated with suppliers for instrument calibration.
- Assisted engineers in defect analysis and corrective actions.

Process Technician – Katolec Co., Ltd.

Thailand | 2008 – 2009

- Operated and maintained SMT inspection systems in cleanroom environments.
- Programmed equipment for automated defect detection.
- Performed preventive maintenance and calibration of SMT equipment.
- Trained operators in ESD safety and inspection techniques.

DIY Electronics Projects

Ongoing

- Built an automated reptile environment controller (ESP microcontrollers + IoT).
- Designed custom 3D-printed enclosures for electronics.
- Integrated real-time temperature, heater, and lighting automation.

EDUCATION

Bachelor's Degree – Industrial Management

Jun 2006 - Mar 2008

Ragamangala University of Technology Suvarnabhumi (Wasukri Campus) | Thailand

Higher Vocational Diploma – Electronics & Computer Engineering (equivalent to U.S. Associate Degree)

May 2004 - Mar 2006

Tha Luang Cement Thai Anusorn Technical College | Thailand

Vocational Certificate in Automotive Mechanics

May 2001 - Mar 2004

(equivalent to U.S. High School Diploma – Vocational Track)

Bunrak Business Administration & Technology School | Thailand