

## Job Description

### Automation Machine Technician – Riviera Beach, FL

Heliene Inc. is a solar company founded in 2010 and headquarter in Ontario, Canada. We are a manufacturer of high efficiency, high quality, and high reliability solar modules. Our modules are produced on state-of-the-art solar manufacturing lines in Ontario-Canada, Minnesota -USA, Florida-USA and at manufacturing partners in Asia.

The Technician will maintain production and quality by ensuring operation of machinery and mechanical equipment. The position consists of two primary aspects: thorough understanding of the HMI (computer) and the ability to make mechanical and Electrical adjustments or repairs to ensure the machine manufactures solar modules to the required engineering parameters and production Takt time. He or she must have experience using CNC / HMI control, tooling setup and process controls in order to operate, making adjustments, and complete set-ups / off-sets on a robotic assembly machine. A entry level understanding of manufacturing process controls, measurement methods, and troubleshooting on electrical and mechanical systems is required. This position requires someone who is committed to maintaining a high speed automated production line.

#### **Responsibilities:**

- Ensures operation of automation machinery equipment meets quality and capacity requirements.
- This is accomplished by completing the preventive maintenance requirements on automation/gantries systems, motors, pneumatic, conveyor systems... per the manufactures requirements.
- Must be able to understand machine electrical and mechanical drawings, operations manuals, manufacturer's instructions, and engineering specifications.
- Acting as a diagnostic expert on mechanical, electrical, and electronically controlled equipment and systems
- Supporting all Industrial Operations automated mechanical, electrical, electronic controlled equipment, and PLC controlled systems
- Participating in complex projects including the implementation, replacement and upgrade of equipment control systems, production lines and industrial utilities systems
- Acting as an internal technical consultant, subject matter expert and teacher concerning automated mechanical, electrical, electronic controlled equipment, and PLC controlled systems
- Ability to analyze operational and process control data to diagnose and resolve system performance issues
- Ability to troubleshoot and calibrate process instruments that utilize DC voltage and current signals to measure temperature, pressure, flow, level and density
- Ability to troubleshoot and repair equipment and processes that utilize PLCs and human-machine interfaces (HMIs) in standalone and networked configurations
- Ability to proficiently read, interpret and update one-line diagrams, process and instrumentation diagrams (P&IDs), blueprints, mechanical drawings and schematics
- Ability to use voltmeters, analyzers, and diagnostic software
- Ability to work within electrical panels and on electrical distribution systems with voltages up to 480 VAC, using proper safety procedures

- Ability to troubleshoot and repair hydraulic and pneumatic systems and controls and electro-mechanical systems composed of various sensors, servo motors and drives, shafts, gearboxes, transmissions, chains, pulleys, sprockets, cams, bearings, and electronic encoders
- Controls downtime by informing production workers of routine preventive maintenance techniques; monitors compliance.
- Ability to analyze machine error codes and diagnose root cause and corrective actions.
- Able to communicate with machine supplier (24/7) as necessary to ensure machine up time.
- Maintains equipment, parts, and supply inventories by checking stock to determine inventory level; anticipates needed equipment, parts, and supplies; places and expedites orders; follows purchase order procedure.
- Prepares mechanical maintenance reports by collecting, analyzing, and summarizing information and trends.
- Maintains continuity among work teams by documenting and communicating actions, irregularities, and continuing needs.
- Follows all safety policies and procedures defined by the Company's Safety Policy and OSHA regulations to eliminate work related injuries.

**Qualifications:**

- Strong ownership of machine up time.
- Manufacturing process controls.
- Strong Documentation
- CNC / HMI and machine repair technical knowledge to perform the tasks outlined in the essential functions.
- Analytical problem solving skills to take a systematic approach to find the root cause and develop appropriate corrective action.
- Ability to work independently and coordinate efforts with the overall shift goals as established by the Operations Supervisor.
- Proven ability to identify existing opportunities, foresee upcoming challenges and effectively react
- Exceptional interpersonal, oral and written communication skills including the ability to communicate clearly, succinctly and effectively with all departments
- Open Mind, Team Work, Communication, Proactive.

**Work Authorization/Security Clearance**

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire.

Competitive compensation and benefits will be given to those based on qualifications and experience.

Heliene is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

**To apply, please send your resume and a cover letter to [jjames@heliene.com](mailto:jjames@heliene.com)**