



## MAINTENANCE MECHANIC

*GoodWest Industries is a leading aseptic beverage manufacturer located in Douglassville, PA. We specialize in processing shelf-stable dairy, coffee beverages and coffee creamers. Our company is rapidly growing and is seeking passionate people to join our team.*

### **JOB SUMMARY:**

Maintenance Mechanic reports to the Maintenance Manager. This position has no direct reports. The position requires a close working relationship with the Plant Manager, Production Superintendents, and Production Operators.

The environment of the plant can be characterized as highly technical with state-of-the-art equipment. The plant operation specializes in aseptic (shelf stable) manufacturing processors and fillings systems. The plant operation is fully automated with batching recipe systems

The Maintenance Mechanic will be responsible for all of the duties of the Maintenance department. She/he will be responsible for the upkeep, troubleshooting and repairs of all Plant Equipment.

**SKILL REQUIREMENT:** The maintenance technician must possess knowledge and have experience in:

- Mechanical equipment (conveyors, fillers, pumping systems, hydraulics, packaging equipment, heat exchangers, material handling equipment, sanitation CIP systems)
- Electrical systems as it relates to instrumentation, PLCs, fundamentals in electricity and electronics
- Utilities such as steam (boilers), compressed air, water systems, up to 480V electrical systems
- In depth knowledge of PLC and PLC systems and P&ID instrumentation preferred
- Experience in food manufacturing preferred



## **Job Responsibilities and Requirements:**

- A. Safety:** Demonstrates behaviors in support of company safety procedures with focus on zero injuries.
- B. Quality:** Demonstrates behaviors in support of quality work processes to include Statistical Process Control-SPC, Document & track production variables, downtime, product samples and make adjustments to ensure proper processing and packaging of product meet quality standards. Keeps compliance with plant GMP and SQF guidelines. Demonstrate proficiency and mechanical interventions along with hygienic restorations after PMs and repairs.
- C. Continuous Improvement:** Actively support the GoodWest Industries High Performance Work Systems participation; 5S participation and compliance, working in teams, problem solving, six sigma knowledge and involvement, continuous skills development participation and ownership, line and process auditing, autonomous maintenance (AMD) involvement and ownership, cleaning, inspecting and lubricating (CIL) and Centerlining (CL) of equipment and line in general, line and equipment ownership, and other Lean foundational systems.
- D. Sanitation Process:** Working knowledge of sanitation systems and ability to troubleshoot and maintain sanitation systems for proper performance.
- E. Coaching and Leadership:** Must have the ability to interact effectively and professionally with coworkers. Need to be able to perform all skills as outlined on the Skills Element Tree. Need to be able to act as a Coach and Trainer for other Maintenance and Production employees. Must comply with all standard work practices and complete documentation in accordance with standard work. It cannot be overstated that the Line Technician is a leader in that they assume ownership of the Assets. Moreover, they are “Co-Owners” of those assets with the Production Operators.
- F.** Performance in this position can be measured by the timely completion of work, accuracy of fabrication, and minimizing of machine downtime. Avoidance of catastrophic failure of assets through Infrared Scanning and Ultrasonic Inspections can be quantified. Maintenance Mechanic works with Production Operators in monitoring and improving ALL Production Line performance indicators (Minor Stops, Process Failures, Breakdown, MTBF, etc.)
- G.** Knowledge and skills required to perform this position include general knowledge of overall plant operations, working knowledge of various equipment and plant processes to understand, interpret and schedule work orders; strong technical and mechanical aptitude. In addition, they need to possess some electrical, instrumentation, electronic and PLC aptitude. Moreover, understanding the value of a good Conditioned Based Monitoring Program is paramount in increasing the reliability and availability of all assets.



**H.** Other qualities necessary are good skills in coaching and training employees, good written and oral communications and mathematical aptitude.

**I. Lean Manufacturing:** The Maintenance Mechanic will be involved in various lean manufacturing roles including:

a. Process Lead

- Develop personal process mastery / SME status for assigned (owned) line(s) or equipment
- Act as line owner for the Centerlines and Changeover DMS's
- Define data-based issues / opportunities for assigned (owned) line(s)
- Develop and implement solutions to systemic or chronic problems
- Drive process stability
- Support training needs
- Lead the development of Equipment Owners / Operators

b. Maintenance Lead

- Develop personal technical mastery / SME status for assigned (owned) line(s)
- Act as line owner for the Breakdown Elimination and Maintenance Planning & Scheduling and DMS's
- Eliminate chronic losses on assigned (owned) line(s)
- Develop Equipment Owner / Operator maintenance skill profile
- Lead equipment reliability and design improvement activities
- Optimize maintenance costs for assigned (owned) line(s)
- Drive reduction of MTTR
- Partner with Line Lead and Process Lead to drive CPS Foundation Systems

**J.** Line Technician will also be responsible for any other assigned duties to support the business need.



## Skills:

The following list will identify the knowledge and skills required for this position:

### Must be proficient in the following subjects:

- Conveyors – Tektronic, Belt, Live Roller, Spiral Tektronic
- Pumps
- Fans
- Gearboxes
- Agitators / Mixers
- Heating Systems
- Hydraulic Systems
- Vacuum Systems
- Compressed Air Systems and Piping
- Valves / Control Valves
- Dust Collectors
- Chain Hoists
- Fluid Piping
- Steam Piping / Steam Traps / Condensate Return Pumps and Systems
- Cooling Lines
- Gauges
- Horizontal and Vertical Band Saws
- Welding Machines
- Oxy-Acetylene Cutting Equipment
- Stationary Grinder
- Stationary Belt / Disc Sander
- Presses
- Pressure, Flow, Temperature, and Level Transmitters
- Thermocouples
- Solenoid and Limit Switches
- Chart Recorders
- Motor Control Centers (MCC)
- Motor Disconnect Switches
- Electrical Panels – Electrical Circuit Breakers
- Motors
- Electrical Circuits
- Lighting and Lighting Circuits
- Variable Frequency Drives
- Electronic Switches, Relays, and Controls
- Control Circuits from 480VAC to 24VDC
- Emergency Generators
- Batteries and Chargers
- Transformers
- Proficiency with various packaging equipment
  - Depalletizers
  - Hygiene System
  - Filler
  - Crimper
  - Gasser
  - Overcapper
  - Coder / Dater
  - Casepacker
  - Palletizer





**Must have general knowledge in the subjects listed as it pertains to:**

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| <ul style="list-style-type: none"><li>• Basic Physics</li><li>• Basic Mechanics</li><li>• Pneumatic Systems Controls and Theory</li><li>• Hydraulics Theory</li><li>• Welding Theory (Gas, Oxy Acetylene, Silver Soldering)</li><li>• Fabrication Theory</li><li>• Print and Piping Schematic Reading</li><li>• Pulleys and Belts</li><li>• Pneumatic Cylinders and seals</li><li>• Hydraulic Cylinders and Seals</li><li>• General Piping and Fittings</li><li>• Acid and Caustic Piping and Fittings</li><li>• Pipe Hangers Design and Theory</li><li>• Rigging Methods</li><li>• Weight and Balance Theory</li><li>• Proper Use and Maintenance of Lifting Cables and Straps</li><li>• Rope Types and Applications</li><li>• Basic Electronics</li></ul> | <ul style="list-style-type: none"><li>• AC Electricity Theory</li><li>• DC Electricity Theory</li><li>• Meter Systems</li><li>• Solenoids</li><li>• Electrical Schematic Reading</li><li>• High Voltage Theory</li><li>• Properties of Wires and Cables</li><li>• Cable Testing</li><li>• Backup Generating and Startup Procedure</li><li>• Electrical Code</li><li>• Battery Technology</li><li>• Electricity Consumption Calculations</li><li>• Troubleshoot and make adjustments and routine repairs on high speed industrial processing, packaging, casing, and palletizing equipment and machinery</li><li>• Troubleshooting Techniques as they pertain to all assets on the Production Line</li></ul> |
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## Physical, Environmental, and Mental Requirements

	Frequency *	Job Task Prototype
<b>Physical Requirement</b>		
<b>Standing</b>	Continually	Monitoring, rebuilding, and repairing equipment
<b>Walking.</b>	Continually	To and from Job Site and Store Room. Transporting tools, spare parts, and components to and from the Job Site and the Store Room.
<b>Sitting</b>	Occasionally	Welding, Brazing, Soldering, Completing paperwork.
<b>Lifting</b> Up to 5 lb.	Frequently	Tools, Materials, and Spare Parts.
5 to 25 lb.	Frequently	Tools, Materials, and Spare Parts.
26 to 50 lb.	Frequently	Load Materials and Equipment using Overhead Crane onto Pallet Truck or Fork Truck
51 to 75 lb.	Frequently	Load Materials and Equipment using Overhead Crane onto Pallet Truck or Fork Truck As needed in production process
greater than 75 lb.	Only as required and in compliance with Ergonomic rules	Load Materials and Equipment using Overhead Crane onto Pallet Truck or Fork Truck During maintenance operation
<b>Carrying</b> Up to 5 lb.	Frequently	Tools, Materials, and Spare Parts.
5 to 25 lb.	Occasionally	Tools, Materials, and Spare Parts.
26 to 50 lb.	Not essential	Load packaging onto packaging equipment.
51 to 75 lb.	Not essential	As needed in production process and during maintenance operation
greater than 75 lb.	Not essential	During maintenance operation
<b>Pushing</b> Up to 5 lb.	Occasionally	Wipe Clean Power Tools and Equipment, Process and Packaging Equipment. Wipe clean packaging equipment.
5 to 25 lb.	Occasionally	Tools, Materials, and Spare Parts. Stacking packaging containers into equipment.
26 to 50 lb.	Occasionally	Manually roll cart with Tools, Materials, and Spare Parts. Load packaging onto packaging equipment.
51 to 75 lb.	Occasionally	Manually roll cart with Tools, Materials, and Spare Parts. Manually roll cart with boxes of packaging containers.
greater than 75 lb.	Occasionally	Manually roll cart with Tools, Materials, and Spare Parts. Manually roll cart with boxes of packaging containers.
<b>Pulling</b> Up to 5 lb.	Occasionally	Obtain sample of product for quality testing.
5 to 25 lb.	Occasionally	Manually move box of packaging containers.
26 to 50 lb.	Occasionally	Manually roll cart with Tools, Materials, and Spare Parts. Manually move box of packaging containers.



	<b>Frequency *</b>	<b>Job Task Prototype</b>
51 to 75 lb.	Occasionally	Manually roll cart with Tools, Materials, and Spare Parts.
greater than 75 lb.	Occasionally	Manually roll cart with Tools, Materials, and Spare Parts.
<b>Repetitive motions</b>	Frequently	Wrenches, Screw Drivers, and Welding Stingers and other Tools. Troubleshooting, Repair, and Rebuilding of Equipment. Load packaging into packaging equipment.
<b>Climbing</b>	Frequently	Ascending and descending from Step Ladders and Extension Ladders. Climb steps on processing floor
<b>Balancing</b>	Occasionally	Ascending and descending from Step Ladders and Extension Ladders. Climb steps and ladders.
<b>Reaching</b>	Frequently	Obtain Tools, Materials, and Spare Parts. Obtain sample of product for quality testing.
<b>Handling</b>	Continually	Obtain Tools, Materials, and Spare Parts. All processes
<b>Fingering</b>	Occasionally	Manipulate MMI, controls, etc.
<b>Feeling</b>	Not essential	
<b>Stooping</b>	Occasionally	Obtain Tools, Materials, and Spare Parts. Pick up packaging containers.
<b>Kneeling</b>	Not essential	Welding, Brazing, and Fabricating. Troubleshooting, Repairing, and Rebuilding Equipment. Obtain Tools, Materials, and Spare Parts
<b>Crouching</b>	Occasionally	Welding, Brazing, and Fabricating. Troubleshooting, Repairing, and Rebuilding Equipment. Obtain Tools, Materials, and Spare Parts Pick up packaging containers. Clear jams in packaging and casing equipment.
<b>Crawling</b>	Not essential	
<b>Talking</b>	Frequently	Communicate with work associates to coordinate Maintenance Responsibilities. Communicate with work associates to coordinate packaging, casing and palletizing activities.
<b>Hearing</b>	Frequently	Notice and be able to attend and distinguish normal from abnormal noises in equipment and machinery. Listen and respond to fork lift truck safety beeps and public announcement intercom system.
<b>Field of vision</b>	Continually	Notice and be able to react to Fork Truck, Pallet Truck, and Crane Movement. Monitor filling equipment. Manually transport packaging, casing and/or palletizing materials.
<b>Far acuity</b>	Not essential	





	<b>Frequency *</b>	<b>Job Task Prototype</b>
<b>Depth perception</b>	Occasionally	Notice and be able to react to Fork Truck, Pallet Truck, and Crane Movement. Monitor filling equipment. Manually transport packaging, casing and/or palletizing materials.
<b>Near acuity</b>	Not essential	
<b>Accommodation</b>	Occasionally	Monitor filling equipment. Manually transport packaging, casing and/or palletizing materials.
<b>Color vision</b>	Continually	Observe and distinguish color characteristics of warning signals. Notice and be able to distinguish electrical wire insulation covering. Other color-coding related to distinguishing maintenance and operation of power tools. Observe and distinguish color characteristics of packaging and product. Monitor MMI processing through color changes.
<b>Tasting/smelling</b>	Continually	Smell leaking Propane or Natural Gas. Taste and smell product sample to ensure quality standards.
<b>Eye-hand coordination</b>	Continually	Use of all Welding, Brazing, Oxy-Acetylene, and Soldering Equipment. Use of all Power and Hand Tools. Operation of Mobile and Overhead Cranes. Monitor filling equipment. Manually transport packaging, casing and/or palletizing materials.
<b>Eye-hand-foot coordination</b>	Continually	Operate Hand Pallet jacks to move Materials and Spare Parts. Operate hand pallet jacks to stock lines.



## Pre-employment Education and Experience

Required	Preferred
<p>Experience working with hand tools and using basic machine shop tools and techniques to fabricate and repair machine parts.</p> <p>Experience reading and interpreting blue prints</p> <p>Experience working in an automated machinery environment (with PLCs or MMIs).</p> <p>Journeyman electrician or qualified electrician training</p>	<p>Experience working in an automated food processing or packaging environment.</p> <p>Experience in welding, using oxyacetylene cutting torch, ARC welder and plasma cutter.</p> <p>Electrical background with PLC experience.</p> <p>Experience working in a team environment.</p> <p>Experience working in a USDA, FDA, OSHA, or GMP compliant environment.</p> <p>Proficiency in Microsoft Office Programs including Word, PowerPoint, and Excel.</p> <p>At least one-year experience in maintaining industrial equipment and machinery. Including experience replacing chains, bearings, bushings, and wear parts on mechanical equipment; troubleshooting and calibrating timed machinery and electronic instrumentation and controls; and maintaining pneumatic lines, fittings, and cylinders.</p>

The specific statements shown in each section of this description are not intended to be all-inclusive. They represent typical elements and criteria considered necessary to perform the job successfully. The Company recognizes that an individual may not be proficient in all skill and knowledge areas. However, it is the expectation that the individual attend training or acquire knowledge to improve his/her skills to attain such knowledge as business needs

The Company recognizes that an individual with a disability may require an accommodation to enable him/her to successfully perform a job function. Consideration will be given to reasonable accommodations.