



Job Title:	Maintenance Technician- Manufacturing Equipment	EEOC Group Code:	9-Install, Maint, Repair
Department/Value Stream:	Oilfield Products Value Stream	EEOC Classification Code:	6-Craft Worker
Employee Pay Group Code (1=Salary 2=TS 3=M2M Wanded)	M2M Wanded	Position Type: (RFT, TFT, RPT, TPT, Intern)	RFT
Employee Classification: (Exempt, Non-exempt)	Non-exempt	Travel Required:	<10%
Supervision Received:	Oilfield Products Production Supervisor	Supervision Exercised:	None

**Nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this job at any time.*

Job Description

Position Overview

Responsible for maintenance on all production equipment and for maintaining records on all services done. Responsible for all electronic, electrical, electrical controls, hydraulic, and mechanical troubleshooting & repairs of equipment. Able to diagnose electronic equipment such as PLC's, and controls on equipment including lasers, robotic welders, brakes, shears, and presses. Source parts & services to enhance equipment effectiveness and reduce unplanned downtime.

Major machines are laser, laser-turret, press brakes, paint system, brick press, brick kiln, CNC mill, and robot welder.

Essential Duties and Responsibilities

1. Diagnose, troubleshoot, and fix electronic production and facilities equipment, to include controls, motors, PLC, electrical, hydraulic, and mechanical systems. Define the error expeditiously and then correct it.
2. Complete Preventative and Total Productive Maintenance (TPM) on machine to maximize equipment operation by minimizing unplanned downtime. Maintain an adequate and cost effective inventory of service parts to support TPM. Lead TPM on an ongoing basis.
3. Understand the operation of all plant equipment in order to troubleshoot, service, calibrate, and maintain in order to maximize equipment operation and prevent downtime.
4. Responsible for outsourcing vendors and technical resources to reduce costs and provide necessary service and support in a timely manner.
5. Will maintain timely, accurate and computerized records of services, repairs, and/or modifications documented on all equipment and vehicles.
6. Will insure the highest level of safety while working on machines, fixtures and power supplies. Design and install modifications or retrofits to enhance safety and efficiency of plant equipment, as needed.
7. Will insure that all required safety aspects (OSHA, WSI, Steffes Corporation) of equipment is operational before returning equipment into service.
8. Operate a wire welder and stick welder, insuring quality welds. Also operate cutting torch, forklift, and other various tools and equipment.
9. Insure equipment is in safe operating condition at all times and report all unsafe acts or equipment to supervisor.
10. Responsible for maintaining a cost effective inventory of service and repair parts. May source vendors, negotiate pricing, and seek out cost reductions relating to parts and supplies.
11. On call 24 hours per day-7days per week.
12. Maintain a clean, well organized work area. Conduct 5S audits & make improvements.
13. Contribute to a positive work environment.

Key Competencies

Self-motivation; adaptability; use and apply current technical concepts; critical thinking; problem solving; detail orientation; oral communication; frustration tolerance; time management; accountability; flexibility; social comfort; interpersonal relations; quality focus; organization/planning; ability to identify, analyze and solve technical problems; teamwork

Qualifications and Education Requirements

- High school diploma or GED
- Minimum of two years experience in troubleshooting, repair, and servicing of electronic problems on manufacturing machines.
- Able to read electrical, hydraulic, and electronic schematics.
- Basic computer knowledge (Windows, email, internet, etc.)
- Communication skills (interact with groups of people, co-workers, subordinates; use of telephones, 2-way radios, public address system; and oral communication)
- Basic math skills
- Reading skills (Basic instructional and technical information)

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions

- **Physical Demands:** balancing; climbing; crouching; feeling; manual dexterity; handling; hearing; kneeling; lifting avg. 50 lbs; pulling; reaching 3 feet; sitting; standing; stooping; walking; visual acuity (color vision, depth perception; visual perception of detail at distances close to the eyes, data and figures, computer terminal, visual inspection involving small defects, small parts, operation/repair of machines; visual perception involving distances at or within arm's reach, visual perception involving extended distances); potential safety hazard (to oneself, to fellow worker(s), to public). Medium Duty - Exert up to 50 lbs. of force occasionally, and/or up to 20 lbs. of force frequently, and/or up to 10 lbs. of force constantly to move objects.
- **Mental Demands:** Public contact: routine; complaint; emergency; handling multiple priorities; make decisions with limited information; make non-routine or unexpected judgments; operate in absence of clear expectations or procedures; operate under short timeframes/deadlines; serious consequences or error; threat to life and property; use of tact and diplomacy; reasoning: apply procedure, develop new procedure; information ordering: arrange things or actions in a certain order; visualization: imagining how something will work; communication skills: interact with groups of people; co-workers, subordinates; use of telephones, 2-way radios, public address systems; math skills: basic skills of addition, subtraction, and multiplication; reading skills: basic instructional material; technical information
- **Working conditions:** Worker is subject to both environmental conditions; activities occur inside and outside; subject to hazards (variety of physical conditions such as proximity to moving mechanical parts, electrical current, working on high places, exposure to heat or chemicals); subject to atmospheric conditions (one or more of the following conditions that affect the respiratory system or the skin—fumes, odors, dusts, mists, gases, or poor ventilation; subject to oils, there is air and/or skin exposures to oils and other cutting fluids; subject to unscheduled overtime; subject to emergency situations involving hazards; elements, and limited response time, creating stressful situations.

Reviewed By:	Joe Muggli	Last Updated Date:	1/19/2010
Employee Signature:		Date:	