

Position Title: Electrical/Mechanical Test Engineer		Department: Engineering	Reports To: Chief Operating Officer
Level: Entry		FLSA Status: Salary Exempt	Supervisory Requirements: N/A
Position Summary: The Electrical/Mechanical Test Engineer plays a key role in supporting the manufacturing and quality assurance of Industrial Pump systems. This position is responsible for testing, troubleshooting, and validating electro-mechanical assemblies—including pumps, control panels, skids, sensors, PLC/HMI, and instrumentation—to ensure all products meet design, performance, and safety standards prior to shipment.			
Essential Functions:			
• Support each customer (including technical, startup, training, software modification, and etc.) • Provide knowledge and input when the company has a field startup and/or system integration. • Capacity to read and understand electrical schematics and P&IDs. • Maintain safe equipment standards. • Help improve testing procedures and documentation standards. • Perform final system inspections and acceptance testing prior to shipment. • Collaborate with assembly, engineering, and quality teams to resolve issues efficiently. • Accurately document test procedures, results, and corrective actions. • Diagnose system issues and perform adjustments or minor repairs. • Inspect completed equipment to verify performance, safety, and compliance with engineering specifications. • Conduct operational testing on mechanical, electrical, fluid, and pneumatic systems. • Calibrate and test analog and digital process instruments. • Perform basic PLC/HMI troubleshooting and modification.			
Knowledge & Skills:			
• Problem Solving • Logical thinking • Multi-tasking • Time management • Technical Capacity • Excellent Written and Verbal Communication • Project Management • Organization • Detail-oriented			
Minimum Qualifications:			
• High School Diploma or GED (Required) • Technical Certification or associate degree in related field (Preferred) • 2-5 years of experience in equipment testing, maintenance, or a related technical field. • Proficient with diagnostic tools and test equipment. • Knowledge of mechanical, electrical, fluid, and/or pneumatic systems. • Knowledge of basic process control and analog devices.			
Physical Requirements:			
• Must be able to lift 50 lbs. unaided • Must be able to sit for long periods of time • Must be able to type, bend and reach • Must be able to travel at least 5% of the time			
Environment:			
• Typical professional office and shop setting • Exposure to industrial conditions when visiting customers and touring their facilities • Must contribute to a positive working environment • Must be a team player			

All duties and responsibilities are essential job functions and requirements of this position. These are subject to possible modifications to reasonably accommodate individuals with disabilities. To perform this job successfully, the team member(s) will possess the skills, aptitudes, and abilities to perform each duty proficiently. The requirements listed in this document are the minimum levels of knowledge, skill and abilities for this position. This in no way states or implies that these are the only job duties to be performed by the team member(s). Team member(s) will be required to follow any other job-related assignments, instructions and duties instructed by authorized personnel.



This document does not create an employment contract, implied or otherwise other than an “at will” relationship.

Employee Signature

Employee Name (Printed)

Date

Manager Signature

Manager Name (Printed)

Date
