



## Job Description

**Job Title:** EM Testing Technician I, II  
**Department:** Engineering/General Labor  
**Reports To:** General Labor Supervisor  
**FLSA Status:** Non-Exempt

### Job Description

Balance rotors and armatures to tolerance specifications. Set-up and Perform Rotor Bar Tests. Set-up and Perform all electrical testing and Vibration Testing. Install, Remove and Align motors in Load Test Department.

### Job Duties

#### BALANCING:

- Prepare rotor and armature.
- Set up balancing machine
- Program computer to balance parts to Bradleys specifications
- Perform Test following Documented Processes and Procedures
- Generate Reports and save to Job Attachments

#### ROTOR BAR TESTING:

- Prepare rotor
- Set up rotor bar tester
- Program computer to test rotor to Bradleys Specifications
- Generate Reports and save to Job Attachments

#### FINAL ELECTRICAL and VIBRATION TESTING:

- Set-up Motor on Test Bed
- Fill Oil in motor if required
- Connect Motor to testing equipment (Test Panel, Vibration Equipment)
- Run Motor for No-Load Run Test for required time
- Generate Report and save to Job Attachments
- Un hook Motor from testing equipment
- Notify Painting Team Motor is ready for final paint process

#### LOAD TEST:

- Install and Remove motors PER DOCUMENTED PROCESSES
- Align Motor
- Monitor Full Load Test during Testing

Perform all tasks as directed by Manager

No supervisor role

### Skills/Qualifications

Willing to use proper P.P.E. when required  
 Work overhead bridge crane  
 Ability to attain Vibration Institute I and II Certification  
 Following procedures to operate balance machine and computer  
 Physically able to stand, bend, and stretch for long periods of time  
 Ability to lift at least fifty (50) pounds  
 Must be able to read measuring tape  
 Adhere to safety regulations and policies  
 Willingness to learn latest processes and procedures  
 Must be available to work overtime and weekends as needed  
 Must have knowledge of basic mathematics  
 Continuing education; personal development  
 Must follow all ISO quality processes, programs, and procedures  
 Participate in regular training as required by the Training Program

**Education and Work Experience**

Basic computer skills  
 Knowledge of manufacturing industry a plus  
 Must be able to read, speak, write, and comprehend English  
 Must complete the respirator fit test

**Physical Demands**

O = Occasionally (0 to 33%)  
 F = Frequently (34 to 66%)  
 C = Continuously (67 to 100%)

Overhead Lifting	F	Up to 25lbs
Waist Level Lifting	F	Up to 50lbs
Floor Level Lifting	F	Up to 50lbs
Pushing/Pulling	F	
Sitting	O	At Desk
Standing	C	
Walking	C	Walking the shop floor
Carrying	F	Paperwork/ Tool
Climbing	O	Stairs
Crawling	O	
Balancing	O	
Stooping	F	Checking Tools/Equipment
Bending	F	Checking equipment
Kneeling	F	Checking equipment

Twisting	F	Picking up tools
Reaching	F	Reaching for tools
Finger Dexterity	C	Equipment
Handling	C	Tools/ Equipment
Grasping/Gripping	O	Tools/ Equipment
Feeling	O	
Talking	C	Directing
Hearing	C	Directions/ Instructions
Vision	C	Detail
Weather	C	Extreme Heat/ Cold

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Employee Signature

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Date