

# **JOB OPENING**

**Line Assembly / Rigout Test Inspector  
Quality Control Department - Taylor Machine Works, Inc.  
Louisville, MS**

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## **Basic Purpose:**

The accountability of this position is to ensure that assembled machines (with complete front ends and prior to final painting), through systematic inspection and actual operation of machines and their functioning parts, have been properly assembled (prior to painting) and will meet or exceed quality standards of workmanship and performance standards and operating efficiency's established by customer Order, Engineering specifications, Production Sales Order requirements and quality control requirements.

## **Nature and Scope:**

This position reports to the Manager of Quality Control with other QC Inspectors of different functions and a PSO (Production Sales Order) coordinator, who is primarily concerned with the overall compliance to customer specifications.

The Taylor products are made up of purchased parts and manufactured parts. A majority of the incumbent's time is spent at a final inspection station where the complete unit and its component parts are operated and checked for performance. Every portion of the machine is thoroughly inspected for such things as follows: (A) General appearance and workmanship. (B) Proper installation of power train components and their controls and instruments (inclusive of all modifications for accessories and/or attachments). (C) Adequate clearance for doors, hinges, latches, tires, etc. (D) Ample consideration for safety in operation (visibility, warning devices, and etc.) (E) Accessibility for service of functioning parts. (F) Leaks. (G) Proper routing of hoses and wiring. (H) Correct identification on Serial plates. (I) Confidence in the machine to meet the demand of the application

The Incumbent lists any deficiencies on a checklist, orders rework, and returns the machine to the workstation. The personnel will correct defects listed on the discrepancy report and put there initials in the column indicating defects have been corrected. The inspector is required to know the assembly processes and to be skilled in the mechanics of the operation. He observes and monitors the work and often assists, when called upon, but suggesting techniques or methods to simplify the process or make for a smoother production flow.

There are "buildup" or sub-assembly areas where engines, transmissions, axle assemblies, tire mounting, small parts and instrument panels are assembled prior to being issued to the work stations; the Inspector also inspects and assists in these areas.

In his inspections, the incumbent uses conventional measuring devices (rules, squares, micrometers, protractors) and regular hand tools, including torque wrenches. He refers to the PSO card, bill of material, sales order, engineering specification, blueprints, TMW literature, vendor literature—all of which he must continually update, incorporating change orders and/or special application instructions on a majority of the machines. Standard inspection procedures are complicated by customer cancellations or changes, vendor changes, Engineering changes and new or prototype machines in production.

Incumbent must feed back discrepancies or errors to the affected functions or departments for correction of bills of materials, blueprints, etc.

Reject tickets are written on defective items, requisitioning substitute parts and routing manufactured parts for rework and holding purchased parts for disposition to be determined by Purchasing and/or Engineering. A defective or incorrect bulk-issue item results in a check of the bin or storage area to prevent subsequent issue of bad or incorrectly identified parts.

The incumbent is also responsible for the inspection of the masts, carriages and any attachments that are added to the machine along with checking all electrical and hydraulic functions of the trucks. The machine is completed in operating condition and is ready for painting. The Inspector checks and tests for workmanship, correct installation of components parts and assemblies, and for the proper addition of fuels, lubricants, oils, fluids, etc.

Actually operating the machine, incumbent assures himself that power train, axles, brake system, cooling and electrical and hydraulic systems, attachments, gages and controls are functioning properly and that machine tests out for load rating and lift height.

The inspector in this area is responsible for machines completed on the previous shifts. He gets assistance from Customer Acceptance Inspector when workload builds up and gives assistance in return.

The Inspector often works together and sometimes assists or substitutes for other QC Inspectors and the CA Inspector. The Manager of Quality Control informs them on warranty problems or field failures so that inspection emphasis can be shifted to these special areas; however, in general, this position must have the ability to perform without too much close supervision. The incumbent must make decisions as to acceptability of workmanship and parts with due concern for customer satisfaction and the company's interests as well as safety factors involved.

**Nature and Scope: (Continue)**

The ability to communicate effectively with others is important because of the close relationship with Production personnel, consulting with Engineering on questions on new models or deviations from standards, Material Handling, Purchasing, Bill of Material and Receiving personnel.

While the foregoing areas may be considered as the incumbent's essential duties, his duties and areas of responsibility may be altered to perform related duties as assigned to insure overall plant efficiency and effectiveness, enabling TMW to deliver quality Material Handling equipment on a timely and cost effective basis to its customers.

The incumbent must be cable to think autonomously and reject and scrap company products.

**Principal Accountabilities:**

- Inspects, operates, and appraises appearance and performance of machines to determine compliance of the end product to meet quality standards as established by Engineering and Quality Control standards.
- Inspects, checks and test, by established procedures, completely assembled and operating machines (new) to insure operating efficiency and adherence to specifications. Performs essentially same inspection on repaired and rebuilt machines.
- Conducts roaming inspection of work process in Mast Building, RigOut/Repair, and Line Assembly Building to prevent possible error and to assist production personnel on special problems.
- Reviews PSO and any change orders to ensure proper identification of parts and conformity to customer's specific requirements.
- Accepts or rejects parts, assemblies and/or components. Orders rework of rejected parts and immediate reissue of substitute parts to the line.
- Assists production personnel on special technical or procedural problems to expedite production.
- Maintains and updates reference file as a guide to acceptable standards in workmanship and materials.
- Prepares checklist on each machine to ensure rework of any faulty part as a guide for subsequent and final inspection. Also prepares weekly rework and reject reports and scrap tickets on defective reports.
- Prepares a daily report on machines inspected and number of rejects for updating of inventory and management appraisal of product and Q.C. procedures.
- Assists Customer Acceptance Inspector and substitutes in his absence. May also substitutes for other Q.C. inspectors in their absence.
- The incumbent is responsible for administering his area of responsibility with intensity, consistency, good judgment, and common sense. He is to display good management practices in the performance of his duties and responsibilities.

**Job Requirements:**

- Education: The incumbent must have at least a high school diploma or GED equivalency from an accredited school. In addition, the incumbent must be able to read and interpret detailed blueprints, bills of material, understand engineering specifications, etc.
- This requirement may be satisfied by a minimum of two years of related experience or two years of on-the-job training and at least one year in TMW operations to gain familiarity with parts system and manufacturing processes.
- He must be trained in quality control standards and be acquainted with OSHA requirements.
- Physical: The incumbent must be able to work a minimum of ten hours per work day, 5 day work week, and if the work load requires additional parts and material through increased Production Scheduling, or if the Department should fall behind for any reason, additional hours may be required to meet the objectives of the Production Schedule.
- The incumbent must be able to work under a stress-related environment involving exposure to normal welding and burning characteristics and must be able to remain on his feet, either walking, bending, twisting, reaching, or climbing (heights of 10-12 feet) for 90-95% of the day.
- The incumbent must have excellent speaking and communication talents and supervisory abilities in working closely with production employees, production foreman, and superintendents of the production processes.

**Please email resume to Inez Blumenfeld at [iblumenfeld@taylorbigred.com](mailto:iblumenfeld@taylorbigred.com)**

**Or**

**Call: 662-773-3421 Ext. 306, Fax: 662-773-9163**

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