

Jeremy Porter

CNC Machinist, Manual Lathe Operator, Assembler, Quality Tester

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Skilled CNC Machinist, Quality Control Technician, Assembler and Machine Operator with over 7 years experience in the manufacturing industry. Possesses strong math skills, focus on detail, and high computer proficiency, along with knowledge of precision measuring instruments, data entry, cGMP, lean manufacturing, 5S and ISO standards. Utmost adherence to safety standards and vigilant in keeping a zero-lost-time work environment.

Highlights

- Quality Assurance - Fast learner
- Blueprint Referencing - Interpersonal skills
- Machine Operation - Safety minded
- Assembly Line Production - Detail oriented

WORK EXPERIENCE

CNC Machinist

XACT Wire EDM - Cary, IL - March 2014 to May 2017

Performed setup and operation of Charmilles/Sodick wire EDM machines and Sodick/Current EDBore machines, maintaining tolerances as small as +/- .0001".

Setup consists of preinspection of work piece for imperfections and flatness with an indicator. Work piece is affixed to machine with various fixtures/clamps and adjusted to be flat and square. Generally run premade programs, but occasionally made custom programs.

During machining, parameters such as voltage, amperage, capacitance, pulse times, tension, and speed are adjusted to optimize performance. Checking dimensions whenever possible is necessary to avoid wasted cutting.

Finished material is sand blasted when necessary and inspected with appropriate measuring equipment, including but not limited to: Computer-controlled VMM (OGP instrument), computer and/or manually controlled CMM, indicating micrometers, and gauge pins/blocks. Cleaning/oiling parts performed when deemed necessary.

Operated a block of up to 6 machines (3 EDBore and 3 Wire EDM) generally alone, sometimes supervising 1 or 2 others as workload demanded.

Service and Repair Technician

Medela - McHenry, IL - April 2013 to March 2014

Responsible for testing, logging, disassembly, inspection, cleaning, and disinfection of various models of intermittent vacuum suction devices.

Testing involves software readout, documenting errors encountered during use, and checking machines for proper function.

Disassembly is completed using basic hand tools. During disassembly, all parts are inspected and sorted to be cleaned.

Cleaning is achieved with detergents, isopropanol, or acetone, and disinfectant is applied as the final step.

Manual Lathe Operator, Assembler, Quality Tester

Barco - Cary, IL - March 2011 to October 2011

Performed a wide range of duties in the production of rotary joints and unions for water systems. Performed "three-piece" lapping carbon bearings on a manual lathe between steel sleeves and endcaps of various sizes to create an air- and water-tight seal that rotates freely.

Assembly consisted of retrieving all necessary parts from stock shelves from a master list. With blueprints as reference, joints are assembled using common hand tools, power tools, liquid adhesives, oils, and greases. Some small parts require special lapping methods, with flatness tests necessary to achieve intended results.

Quality testing consisted of flatness tests, dimensional gauging with calipers, thread and "go/no-go" gauges, and air leak tests.

Other duties consisted of oven heating steel casings in order to insert carbon bearings, spray painting said casings after cooling, stocking inventory post-inspection, printing labels for shipping purposes, and general housekeeping of work area.

Quality Control Technician / Assembly Technician

Seaquist Perfect Dispensing - McHenry, IL - June 2006 to November 2009

Performed quality inspection and documentation as well as machine operation in a clean, cGMP-oriented and ISO certified environment.

Machine operation of Mespac and various molded plastic assembly machines included loading of multiple hoppers, visual inspection of incoming products, cleaning welders and tape rollers at specific intervals via work procedure documentation, responding to alarms and communicating to technicians and engineers when parts non-conformance or machine malfunction arises. Finally, completed cartons are sealed, labeled, scanned and initialed before being stocked and shipped.

Quality aspects of injection-molded plastics and bag-on-valve and plastics accessories included retaining of first and last batches of parts produced, as well as at specified intervals between. Visual inspection and color adherence inspection conducted, using microscope and color checking booth if necessary. Dimensional inspection conducted with rulers, dial calipers, micrometers, microscope and "go/no-go" gauges, per blueprint specifications. Some molded plastics and plastic accessories products require air flow tests, performed with pneumatic flow testing machinery. Bag-on-valve products' specialized testing consists of burst pressure tests and filling and dropping tests to ensure safety of final product on shelves. All quality tests are documented on paper and entered into the SAP system.

Responsibilities in the event of nonconforming product followed ASQ guidelines. Documenting details of defects, identifying root cause, and backtracking to contain all nonconforming parts carried out under guidelines specified in work procedure documents.

Daily meetings with supervisors, quality managers, engineers, plant directors, and incoming/outgoing shift employees occurred in order to discuss productions operations, malfunctions, quality concerns, etc.

Other duties included training new employees in machine operation and quality control, occasional material handling with forklift and/or lift jack, and maintaining cleanliness of work environment.

EDUCATION

High School Diploma

McHenry High School East Campus - McHenry, IL
2001 to 2005