Keith Krugerud

Quality Technician

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WORK EXPERIENCE

Quality Technician

Multisource - Burnsville, MN - July 2014 to June 2015

Responsibilities

• Performed step by step first article and start-up, in-process and final inspections prior on all the parts made and manufactured on the premises prior to any other outside services such as plating, cleaning or bending as well as prior to shipment.

• Ensured operators, machinists, deburring personnel checked their own work; accepted or rejected parts/ product based on customer specification and inspection results.

• Operated and used numerous measuring tools and gages such as micrometers, calipers, pin gages, height and depth gages and the comparator. And also operated as well as learned basic programming skills on both the Vision System and CMM.

• Verified and proofread all documentation and recorded data from external suppliers for accuracy of required processes and assemblies to include: process controls, variable data, certifications of performance, material certifications and various other process certifications. Likewise, verified and proofread all the documentation and recorded measurements performed from within manufacturing plant.

• Worked and communicated with other team members and manufacturing personnel in all the various departments within the establishment in both a cooperative, constructive and objective manner.

Quality Technician

Zimmer Spine - Edina, MN - October 2012 to November 2013

Followed company inspection procedures, specifications and forms for both visual and measuring processes performed on company manufactured implants, spinal instruments, sterile products, shrink wrapping, cases and trays

Performed on-site as well as proofread supplier SPC methodologies such as: Gage Repeatability and Reproducibility (GRR) studies, recordings and chartings of data trends and averages, applications of Cpk and Ppk

Verified and proofread all documentation and recorded data from suppliers for accuracy of required processes and assemblies to include: process controls, variable data, certifications of performance, material certifications and various other process certifications

Read Zimmer Spine engineering drawings and interpreted GD&T symbols for dimensions, sampling plans and tolerances and referred to drawing notes for general workmanship requirements, heat treating, material hardness, cleaning and passivation processes, laser etching & fonting features and current revision statuses

Uses numerous measuring tools and gages such as micrometers, calipers, pin gages, height and depth gages, comparators and tool scopes

Operated and ran an assortment of both on-site software applications such as Live-Link, WindChill and GageTrak and database applications such as Microsoft Access and SAP

Quality Technician

Minnetronix - Saint Paul, MN - July 2011 to October 2011

Measured and inspected incoming/receiving materials and housing parts for medical equipment such as thrombectomy systems, implantable neuro-stimulators, and aneurysm treatment systems

Interpreted various engineering drawings for Minnetronix as well outside vendors and verified the specific in-process required measurements – circled measurements on the drawings

Followed inspection procedures accordingly to both ISO 9001 and ISO 13485 certifications of 2001, 2004, 2008 and 2010

Consulted and worked with quality engineers over issues concerning deviations and root causes and newly found non-conformances

Used various measuring tools and equipment: calipers, micrometers, height and depth gauges and CMM

Quality Inspector

Via Addeco Technical Services - October 2010 to December 2010

• Interpreted various engineering drawings from AMF and verified the specific in-process required measurements.

• Used various measuring tools and equipment: calipers, micrometers, height and depth gauges and CMM.

• Followed, completed as well created Excel templates for recording the required measured results, according to the engineering drawing.

• Reshaped and aesthetically revised parts whenever possible as oppose to scraping

Quality Assurance Technician/Engineering Assistant

Via Express Personnel - November 2009 to August 2010

• Interpreted very complex blueprints and engineering drawings from the manufactures of Bobcat, Caterpillar and BTD to measure parts and prepared inspection plans, procedures and instructions, mainly for First Article parts; then created the needed templates, using Excel for data entry of measured results.

• Gathered technical data from in-process inspection of manufactured parts, from capability studies and from First-Article inspection using a Faro-Arm and other more simple tools such as calipers, protractors, micrometers and T-squares.

• Read complex geometric tolerances and calculations using GD&T symbolism in accordance with the ASME Y14.5-2008 Standard such as true position, parallelism, and perpendicularity and used geometric concepts such as angle bisection, line intersection points and tangents to create coordinate systems and find critical data points.

• Understood the Six Sigma quality methodology of process performance (Ppk) and process capability (Cpk) as well as performed various statistical calculations and analyses to include: standard deviation, variance, mean, median, and student-t distributions.

• Used quantitative methods and approaches on, for example, outliers; then either excluding observations that were outside three standard deviations, or doing further research, and, if found the data were typical measurement errors, remove or replace the data via applying linear regression on the remaining, otherwise, applied further investigation such as using the median versus the mean of the data.

• Completed corrective action reports as required by both the company and customers on returns as well as on discovered defects within the plant.

• Continued to gain more advanced computer potentials and skills using MS Office and ASI (Applied Stats).

Senior Calibration Technician

Medtronic - July 2008 to November 2008

Contract via Entegee)

• Performing a full spectrum of dimensional inspections on parts that involved extreme close tolerances.

• Working with engineers and other technicians to get proper information or agreement on inspection processes as well as to work out various issues on out-of-spec parts.

• Interpreting blueprints and technical drawings, following inspection processes, working with geometric dimensioning and tolerances (GD&T).

• Using a wide variety of tools for various kinds of measurements on different parts to include: micrometers, calipers, pin-gauges, gage blocks, and bore gauges.

• Using Smartscopes and toolscopes to measure very small parts and verify that they were in specification.

Quality Technician

Exlar - 2007 to 2008

• Read engineering drawing and verified all the specifications and dimensions for First Article parts whether they were made within the company or received from other vendors.

• Measured several parts such as gears, stroke rods, end caps, face plates using various measuring equipment - micrometers, calipers, bore gauges, height and depth gauges, tool-scopes, and the CMM.

• Applied fundamental statistical methods for process control such as: creating X-bar charts, finding Cpk, standard deviations and variances, and analyzing data to solve quality problems and issues.

• Used Microsoft Office to communicate with others and to write up non-conformances and/or discrepancies for parts and materials not meeting specifications and to input data and maintain the database.

• Associated with the mechanical and manufacturing engineers on issues and learned basic engineering research and development ideas and concepts.

Quality Control Technician

Entegris - 2004 to 2007

• Read and referred to engineering drawings and interpreted GD&T symbolisms in accordance with the ASME Y14.5-2007 Standard to include, for example, datum features, material condition modifiers and true position.

• Measured and assured all parts met proper dimensions using various tools such as height gauges, depth gauges, calipers, micrometers as well as tool-scopes, CMMs and comparators.

• Used up-to-date software to perform proper calculations and analyze data using Statistical Process Control(SPC) to include finding averages (x-bar-bar), standard deviations, means, variances and Cpk on samples.

• Followed the company's documentation, implementation and maintenance of quality, performed daily audits among assembly procedures and practices within the cleanroom, and constantly updated the effectiveness in accordance with the requirements of ISO-9001:2006 International Standard.

• Using Lotus-Notes, SAP and MS office to communicate with others write up and document data, and find information on products and production orders.

Quality/Production Technician

Cypress Semiconductor - 2004 to 2004

• Verified and checked the machined tooling and parts for the manufacturer of semiconductors, and became company certified to operate and prepare the machining tools for manufacturing.

• Conducted daily inspection, performing statistical tests - Chi-Square-goodness-to-fit - on raw or sample semiconductor wafers to determine and verify daily productivity standards on various machining tools were working and producing properly.

• Gathered and interpreted data such as mean, mode, and standard deviations to determine if both the sample and manufactured product met company and customer expectations.

• Used MS Office and company software (Ingres's System) to input as well record data.

Accounting Clerk

Randstad - 2001 to 2003

Employment Agency)
Office/Accounting

• Handled the ability to prioritize projects and daily tasks to meet long-term and short-term deadlines.

• Worked with customers and clients over the phone, helping them with questions and resolving various issues, regarding products ordered and services needed.

• Utilized good interpersonal, clerical, and organizational skills; used strong communication (verbal, written, & oral) and problem solving skills, and showed a high level of accuracy and attention to detail

• Created spreadsheets and templates using Excel and Access software applications; inputted various data and records within spreadsheets; created documents with MS-Word/Word Perfect applications

• Various Alpha and Numeric data entry tasks typing approximately 8000 keystrokes per hour using both Microsoft and Unix based programs; carried out common clerical duties to include: photocopying, collating and sorting, filing, and faxing.

EDUCATION

Bachelor of Science in Mathematics
Mankato State University
1992 to 1995