

Wynand Pieterse

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EXPERIENCE

HUD Mining Equipment — *Quality Inspector*

May 2023 - July 2023 - Left to start my own IT company

My duties included the following:

- Conducting final inspections on manufactured parts and compiling reports that include my measured dimensions, the quality of the job, and other details such as the material used.
- Filling in all findings using Microsoft Excel and saving and backing up these documents for future reference.
- Checking out jobs for the stores after they have been found to be correct, by transferring them from the workshop side to the store side.
- Generating non-conformance reports for management review if a series of parts are found to be unusable.
- Ensuring the accuracy of measuring equipment by conducting verification checks and correcting any errors. I can calibrate outside micrometers, bore micrometers, calipers, and various other equipment.
- Facilitating communication and resolving disputes between management and workshop staff.

HUD Mining Equipment — *CNC Turning Setter/Programmer*

November 2021 - April 2023 - Promoted to Quality Inspector

My duties included the following:

- Manufacturing parts in accordance with engineering drawings by offsetting machine tools to guarantee the correct dimensions.
- Verifying that the appropriate tools are used for the required features, with the correct speed and feed for the material being machined. This ensures that the machining process is efficient and produces high-quality results.
- Setting up turning machine tools, including both external and internal turning tools. I have a thorough understanding of the principles and practices of turning, and I am able to set up and operate a variety of turning machine tools to produce precision parts.
- Programming CNC machines (via G-Code) to manufacture parts as specified on customer drawings. I can machine most turned parts, using canned cycles, threading cycles, etc. The control panel I use for programming is based on the one that is provided by FANUC.
- Planning on how to machine a new part, including the correct and safe workpiece grip and all the required tools. Analyzing the part's design to determine the best machining method and sequence. Select the appropriate tools and fixtures, and calculate the machining parameters. Create a detailed machining plan that will ensure the part is machined correctly and safely.

Midrand Engineering — *Quality Inspector*

February 2013 - November 2020 - Retrenched due to COVID-19

My duties included the following:

- Conducted first-off, in-process, and final inspections.
- Verified that machined parts met all dimensional, geometric

SKILLS

Excellent communication with management, staff and clients

Microsoft Office (Word, Excel, Outlook)

Understand, interpret and create technical drawing

CNC Turning Operating, Setting, Programming on FANUC panels

ISO 9001 Compliance

Quality inspection processes

LK CMM software

Aberlink CMM software

Good understanding of various material and machining tool properties

Autodesk Inventor (3D and 2D drawings)

Autodesk Fusion (3D and 2D drawings, machining)

LANGUAGES

Fluent in English & Afrikaans

- tolerance, and cosmetic requirements.
- Verify compliance with ISO 9001 requirements through collaboration with auditors and training of workshop staff.
- Verify that all calibration certificates were current, including in-house calibration for various measuring equipment and outsourcing calibration to external calibrators when necessary.
- Operate and program two Axiom CMM machines by creating a measurement program for each specific job. The program includes the required dimensions, from which a report can be generated detailing the measured size.
- Operate and program a single LK CMM via CMM Manager by creating a measurement program for each specific job. The program should include the required dimensions, from which a report can be generated detailing the measured size.
- Maintaining regular communication with customers to ensure their satisfaction with the quality of the products supplied and addressing any issues that may arise.
- Facilitating communication between management and workshop operators to ensure alignment on quality standards.

Midrand Engineering — CNC Turning Operator

February 2010 - January 2013 - Promoted to Quality Inspector

My duties included the following:

- Operate machines by loading and unloading materials, and checking the machine inserts to ensure they are still capable of machining.
- Ensure in-process parts are within specification by measuring them and comparing them to the customer's drawings.

EDUCATION

Brakpan Technical High School, Brakpan — Grade 10

2004 - 2006

Finished school early to help support my family.